Together, Working Towards A Healthier World
PROJECT KAVACH
AN INTEGRATED COMPREHENSIVE PLAN
TO COMBAT COVID19

INFORMATION

Information & Awareness
• Credible and expert information
• Compliant to Government guidelines
• Multi-channel
• Multi-stakeholder
• Multi-lingual

Round the clock Helpline
• 1860 500 1066
• Engaging with stakeholders

COVID19 Scan
• COVID risk assessment tool
  available to download from
  Google play store, Apple store

EDUCATION

Apollo 24/7
• Online Doctor consultation
• Online booking of medicines
• Online booking for diagnostics
• Doorstep delivery of medicine
• Doorstep sample collection
• Online reports

3800 pharmacy
• Across 18 states
• Home delivery

TELEMEDICINE

Testing
• Certified centers for swab testing
• Report available online
• Home testing in select cities

Fever clinic
• Specialized clinics
• Infectious disease experts
• Screening of patient with Flu
  like symptoms
• Multi-location

Stay i
• Social impact initiative for isolation care
• Medically sanitized individual rooms across the country
• All clinical protocols driven by Apollo Ecosystem
• 24/7 Clinical monitoring
• Round the clock e-Consult
• Round the delivery of Medicine, Sample collection
• Door step delivery of Food & Beverage in contactless
tamperproof packing

TREATMENT

• Specialized & dedicated team in treating infectious diseases
• International infection control protocols
• Negative pressure ICU beds
• Isolated quarantine treatment facilities which are away from
  the main unit
• High quality PPE for hospital personnel
• Appropriate stocking of required consumables and disposables
• E-ICU service to monitor patients in remote acute care using
  Telemedicine
• Advanced treatment intensive care
• Research education data analytics
• Support to Government

DATA COLLECTION FOR
ACTION AND FUTURE RESEARCH
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Diverse as we may be in our locations, the zeal to excel is the common thread that binds all Apollo Hospitals. This drive to excel in the fast changing world of medicine leads us from one quality improvement initiative into another. In 2019, Apollo Hospitals continued with concerted and unswerving efforts to enhance clinical, academic and research excellence, embraced innovative processes and technologies for achieving best outcomes for our patients and maximizing our reach to the community.

The Apollo Standards of Clinical Care (TASCC) embodies standardization of processes and outcomes for clinical excellence and patient safety, across all the Group Hospitals. TASCC scores showed a steady increase from 310 in FY (2012-13) to 453 in FY (2018-19) for Group A hospitals, from 227 in FY (2012-13) to 367 in FY (2018-19) for Group B hospitals and from 189 in FY (2012-13) to 334 in FY (2018-19) for Group C hospitals, reflecting increasing standardization of processes and improving outcomes.

Group average scores for Apollo Clinical Excellence Scorecard (ACE 1) showed an improvement from 72 in 2010 to 88 in 2019. Apollo Gleneagles Hospital, Kolkata reporting Group A parameters, Apollo BGS Hospitals, Mysore reporting Group B parameters and Apollo Reach Hospital, Karaikudi reporting Group C parameters were declared ACE 1 champions and were awarded the trophies along with cash prizes.

In 2019, 185 nominations were received for Apollo Innovation and Quality Awards, a platform that felicitates and rewards hospitals within the Apollo Group for their diligent efforts and innovations to persistently improve patients care, quality and safety.

Apollo Clinical Awards provide a platform that honours and recognizes Consultants who have achieved path breaking clinical, academic and research related success. Ninety-one nominations were received from Consultants across the Group.

Our consultants continued their pursuit of excellence by treating complicated cases and performing rare procedures, while also writing books and contributing book chapters, publishing their clinical research and cases in medical journals worldwide, lecturing nationally and internationally and receiving numerous awards from various governmental and non-governmental organizations.

Three hundred and sixty-nine research papers by our consultants were recognized and 300 consultants contributed their achievements for publication in this report.

The National Board of Examinations (NBE) has accredited Apollo Hospitals for training and examinations in 15 broad specialities, 21 super specialties besides 8 Postdoctoral Fellowship (FNB) programs. In 2019, there were 599 DNB/FNB seats in the Apollo Hospitals Group with 884 trainees pursuing DNB/FNB programs across 14 hospitals.

In order to upskill the knowledge and expertise of doctors, under the aegis of the Apollo Continuous Medical Education Program, 825 CMEs were conducted which were attended by 45,578 doctors from across the country and overseas.

Apollo Research and Innovations (ARI) has conducted over 1150 clinical studies and currently 150 studies are on-going at various Apollo Hospitals. The Adjunct Title of Professor and Associate Professor of Apollo Hospitals Educational and Research Foundation (AHERF) has been conferred on 140 Consultants and 108 Consultants hold Adjunct Titles of Tutorship.

Seven Apollo Hospitals are accredited by Joint Commission International (JCI). Apollo Hospitals, Ahmedabad underwent a reaccreditation survey successfully, in 2019. The total number of National
Accreditation Board for Hospitals and Healthcare Providers (NABH) accredited Apollo Hospitals increased to 30.

The 8th International Patient Safety Conference (IPSC) held at HICC, Hyderabad in September, surpassed all the previous records and witnessed a presence of 2680 delegates from India and 30 different countries. Over 150 scientific sessions were conducted by 250 international and national speakers.

The 9th edition of the International Conference on Transforming Healthcare with Information Technology (THIT) organized by the Apollo Telemedicine Networking Foundation (ATNF) was held as a parallel event. The THIT was attended by delegates representing the healthcare IT industry, leading IT companies and healthcare institutions.

Apollo Hospitals Group launched the Apollo ProHealth Program, a proactive Health Management program. Apollo ProHealth is a first-of-its-kind comprehensive health program, powered by pHRA (personalised Health Risk Assessment), enabled by Artificial Intelligence.

The AI Cardiovascular Disease (CVD) Risk Score developed in joint collaboration by Apollo Hospitals and Microsoft India was launched.

Apollo Adlux- Super Speciality Hospitals, a new 300-bedded hospital was launched in Kochi, Kerala. Apollo Adlux Hospitals has access to world-class technologies and services, state-of-the-operation theatres, advanced laboratory and medical diagnostics including 60 ultra-modern I.C.U. beds. World class equipment with advanced technology, state-of-the-art laboratory and emergency facilities position the hospital as one of the best in the region. Super-speciality departments like cardiac care, trauma care, orthopaedics, neurosciences, gastro sciences, renal sciences with all affiliated specialities and sub specialities are the hallmark of Apollo Adlux Hospitals.

Apollo HomeCare established a presence in 5 cities- Hyderabad, Chennai, Delhi, Bangalore, Kolkata and touched over 1,75,000 lives, in the community. It has handled over 4,50,000 patient care episodes. Apollo Homecare, known for its clinical excellence, is acknowledged as a leader in providing skilled home-healthcare services. With over 1200 professional home healthcare providers, the team has grown at a fast pace in a short time.

Apollo Tele Health Services (ATHS) with the Government of Uttar Pradesh has set up Tele-Radiology Services at 134 Community Health Centres run by the State Government. Tele-consultations across 13 selected specialties are also available to 120 of these centers. With the Government of Jharkhand,ATHS has set up Digital Dispensaries across 100 Primary Health Centres. University of Pittsburgh has recognized Apollo TeleHealth for implementation of tele-clinic at Tuver village.

Under the aegis of Corporate Social Responsibility (CSR), the various programs run by Apollo for the benefit of the community included Total Health Program, Billion Hearts Beating Campaign, Apollo Aushad, SACHI and others. Situated in the Thavananpalle Mandal of Chittoor District, Andhra Pradesh, ‘Total Health’ is India’s first integrated rural healthcare delivery network in the private sector. The program aims to cover more than 54,000 people across all age groups.

Apollo Hospitals Group was conferred 88 awards and accolades at various national and international fora in 2019.

Dr Prathap C Reddy, Chairman, Apollo Hospitals Group, amongst numerous other felicitations received by him, was awarded the Outstanding Institution Builder Award at AIMA Managing India Awards organised by the All India Management Association.

Ms Preetha Reddy, Executive Vice Chairperson, Apollo Hospitals Group was elected as the Senior Vice President of NatHealth for 2019-20.

Ms Suneeta Reddy, Managing Director, Apollo Hospitals, was felicitated as one of the ‘Most Influential People in UK-India Relations by India Incorporated. She was honoured by Fortune India as
India's Most Powerful Business Women in business that are making an impact by virtue of their business acumen and social and cultural influence.

Ms Shobana Kamineni, Executive Vice Chairperson of Apollo Hospitals Enterprise Limited, was named as the Most Influential Woman of India by Business World.

Dr Sangita Reddy, Joint Managing Director, Apollo Hospitals was elected as President of FICCI. Dr Sangita Reddy is the third lady to be elected as President of FICCI in 93 years.

At the Asian Hospital Management Awards 2019 held at Hanoi, Vietnam, Apollo Hospitals Group won ten awards, the highest number of awards won by any organization in Asia. The Best Hospital Survey 2019, conducted by THE WEEK, ranked Apollo Hospitals, Chennai as the best corporate multi-speciality hospital in the country. The All India Critical Care Hospital Ranking Survey 2019, conducted by the Times of India ranked Apollo Hospitals, Chennai as the best hospital in India, for the specialties of Oncology, Cardiac Sciences, Paediatrics, Gastroenterology and Hepatology, Nephrology, Neuro Sciences, Urology, Emergency and Trauma. Several Apollo Hospitals were ranked as best hospitals in their region and specialties, in both THE WEEK and All India Critical Care Hospital Ranking Survey.

The journey into 2020 has begun on a challenging note that us led us to grapple with the with the Corona virus crisis. Nevertheless, as true warriors committed to the service of our nation we have embraced the situation and our continuing to care and serve our patients in an unrelenting manner. We are continuously evolving ourselves and our service delivery mechanisms to respond to the pandemic. ‘Project Kavach’ is Apollo Hospitals, comprehensive and integrated response plan to take the battle to COVID-19. The response plan encompasses all aspects from information, screening and assessment, testing, to readying the infrastructure for quarantine and treatment. It brings together all the resources of Apollo Hospitals to fight for the people of the country against this pandemic.

As Henry Ford had said, “When everything seems to be going against you, remember that the airplane takes off against the wind, not with it.”
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<td>8th International Patient Safety Conference 2019</td>
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<tr>
<td>Centers of Excellence (COEs)</td>
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The Apollo Standards of Clinical Care (TASCC)

Apollo Hospitals Group aims at establishing the highest standards of clinical care and patient safety for all its hospitals irrespective of their location and size. The Apollo Standards of Clinical Care (TASCC) was implemented across Apollo Hospitals to standardize processes and outcomes for clinical excellence and patient safety. It encompasses six initiatives – Apollo Clinical Excellence dashboards (ACE 1 and ACE 2), Apollo Quality Program (AQP), Apollo Mortality Review (AMR), Apollo Incident Reporting System (AIRS) and Apollo Critical Policies Plans and Procedures (ACPPP). TASCC was implemented in January 2012.

TASCC scores showed a steady increase from 310 in FY (2012-13) to 453 in FY (2018-19) for Group A hospitals, from 227 in FY (2012-13) to 367 in FY (2018-19) for Group B hospitals and from 189 in FY (2012-13) to 334 in FY (2018-19) for Group C hospitals, showing increasing standardisation of processes and improving outcomes.
Apollo Clinical Excellence Scorecard – ACE 1

Earlier known as ACE@25, this scorecard has been renamed as ACE 1 in 2015 with revision in indicators and benchmarks. Group average scores for ACE 1 showed an improvement from 72 in 2010 to 88 in 2019.

ACE 1 is a clinical balanced scorecard incorporating 25 clinical parameters involving complication rates, mortality rates, one-year survival rates and average length of stay after major procedures like liver and renal transplant, CABG, TKR, THR, TURP, PTCA and endoscopy covering all major specialities.

Also included are hospital acquired infection rates and patient satisfaction with pain management. Parameters have been benchmarked against the published benchmarks of the world’s best hospitals including Cleveland Clinic, Mayo Clinic, National Healthcare Safety Network, University of California, San Francisco and Agency for Healthcare Research and Quality US. The weighted scores for outcomes are colour coded green, orange and red. The cumulative score achievable is capped at 100.

The collective data for all locations can be viewed by the Group Leadership at any point of time. There is an "ACE 1" Champion Award for the highest scorer.

In 2019, 39 hospitals reported ACE 1 data. Seven hospitals (Ahmedabad, Bangalore, Chennai, Delhi, Hyderabad, Kolkata and Navi Mumbai) reported data for Group A parameters, 18 hospitals (Bilaspur, Madurai, Mysore, Pune, Vizag, Bhubaneshwar, Karimnagar, Secunderabad, Hyderguda, Trichy, Vanagaram, Indore, ASH OMR, Nashik, Nellore, Seshadripuram, Health City Vizag, Guwahati) reported data for Group B parameters and 14 hospitals (Aragonda, Apollo First Med Hospitals, Apollo Cancer Institute Teynampet, Tondiarpet, Sowcarpet, Kakinada, Noida, Apollo Children's Hospital, DRDO, Karur, ASH Jayanagar, Karaikudi, AMC Karapakkam, AWH SMR) reported data for Group C parameters.

Average TASCC Scores - Group C

Group Annual Average ACE 1 Scores

Score Obtained

<table>
<thead>
<tr>
<th>FY</th>
<th>Score Obtained</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
<td>72</td>
</tr>
<tr>
<td>2011</td>
<td>75</td>
</tr>
<tr>
<td>2012</td>
<td>80</td>
</tr>
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<td>2013</td>
<td>80</td>
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<td>2014</td>
<td>80</td>
</tr>
<tr>
<td>2015</td>
<td>82</td>
</tr>
<tr>
<td>2016</td>
<td>85</td>
</tr>
<tr>
<td>2017</td>
<td>86</td>
</tr>
<tr>
<td>2018</td>
<td>86</td>
</tr>
<tr>
<td>2019</td>
<td>88</td>
</tr>
</tbody>
</table>
Example of an ACE 1 parameter

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Benchmark</th>
<th>Range</th>
<th>Scoring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coronary Artery Bypass Graft (CABG) Mortality Rate</td>
<td>0.50% Cleveland Clinic</td>
<td>≤0.80</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.80-1.20</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1.21-1.60</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1.61-2.00</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>≥2.1</td>
<td>0</td>
</tr>
</tbody>
</table>

Few examples of outcome parameters trends:

Average Length of Stay (ALOS) in ICU, Apollo Hospitals A

Readmission rate post renal transplant within 30 days, Apollo Hospitals B

CABG mortality rate - Apollo Hospitals C

Catheter Related Blood Stream Infection (CR-BSI), Apollo Hospitals D

ALOS post angioplasty, Apollo Hospitals E
Apollo Gleneagles Hospital, Kolkata reporting Group A parameters, Apollo BGS Hospitals, Mysore, reporting Group B parameters and Apollo Reach Hospital, Karaikudi reporting Group C parameters were declared ACE 1 champions and were awarded the trophies along with cash prizes.

The awards were conferred by Chairman, Dr Prathap C Reddy and Joint Managing Director, Ms Sangita Reddy.

**ACE 1 Awards**

ACE 1 clinical excellence scorecard data has been reported for the last 11 years. The outstanding performances in each of the hospitals reporting Group A, Group B and Group C parameters are given recognition every year. The Average ACE 1 score for each hospital is computed and their 360-degree score is added to it. The hospital scoring the maximum is awarded the ACE 1 Champion Award.

Apollo Gleneagles Hospital, Kolkata reporting Group A parameters, Apollo BGS Hospitals, Mysore, reporting Group B parameters and Apollo Reach Hospital, Karaikudi reporting Group C parameters were declared ACE 1 champions and were awarded the trophies along with cash prizes.

The awards were conferred by Chairman, Dr Prathap C Reddy and Joint Managing Director, Ms Sangita Reddy.
Apollo Quality Program (AQP)

The Apollo Quality Program was started in December 2010 to implement patient safety practices in all our Apollo Hospitals irrespective of the accreditation status. It covers five broad areas: Safety during Clinical Handovers, Surgical Safety, Medication Safety, the Six International Patient Safety Goals of JCI and Standardisation of Minimum Content of Medical Records.

An analysis of the parameters in 2019 has shown an increase in compliance levels for various parameters. The average AQP scores at group level have also increased from 77 in FY (2011-12) to 91 in FY (2018-19).

Below are a few examples of improvement at different Apollo locations:

**Group Average AQP Scores**

<table>
<thead>
<tr>
<th>FY</th>
<th>AQP Scores</th>
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<tbody>
<tr>
<td>2011-12</td>
<td>77</td>
</tr>
<tr>
<td>2012-13</td>
<td>85</td>
</tr>
<tr>
<td>2013-14</td>
<td>86</td>
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<td>2014-15</td>
<td>87</td>
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<td>2015-16</td>
<td>87</td>
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<tr>
<td>2016-17</td>
<td>88</td>
</tr>
<tr>
<td>2017-18</td>
<td>90</td>
</tr>
<tr>
<td>2018-19</td>
<td>91</td>
</tr>
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</table>

**Percentage compliance to completion of in - house transfer form before patients transfer, Apollo Hospitals A**

<table>
<thead>
<tr>
<th>Month</th>
<th>Compliance</th>
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</thead>
<tbody>
<tr>
<td>JAN 19</td>
<td>100</td>
</tr>
<tr>
<td>FEB 19</td>
<td>100</td>
</tr>
<tr>
<td>MAR 19</td>
<td>100</td>
</tr>
<tr>
<td>APR 19</td>
<td>100</td>
</tr>
<tr>
<td>MAY 19</td>
<td>100</td>
</tr>
<tr>
<td>JUN 19</td>
<td>100</td>
</tr>
<tr>
<td>JUL 19</td>
<td>100</td>
</tr>
<tr>
<td>AUG 19</td>
<td>100</td>
</tr>
<tr>
<td>SEP 19</td>
<td>100</td>
</tr>
<tr>
<td>OCT 19</td>
<td>100</td>
</tr>
<tr>
<td>NOV 19</td>
<td>100</td>
</tr>
<tr>
<td>DEC 19</td>
<td>100</td>
</tr>
</tbody>
</table>
Percentage compliance to IPSG 1: two patient identifier, Apollo Hospitals C

Percentage compliance to IPSG 2: read back for verbal orders, Apollo Hospitals D

Percentage compliance to use of nursing handover form for patient handover, Apollo Hospitals B

Percentage compliance to IPSG 3: safety precautions for high alert medications, Apollo Hospitals E
Percentage compliance to IPSG 4 measures for prevention of wrong side, wrong patient wrong procedure surgery, Apollo Hospitals F

Percentage compliance to IPSG 5 hand washing, Apollo Hospitals G

Percentage compliance to IPSG 6 falls prevention measures, Apollo Hospitals H

Percentage of patients receiving antimicrobial prophylaxis one hour before surgery, Apollo Hospitals I
Percentage compliance to minimum content of medical records on closed audits, Apollo Hospitals J

Quality Teams Activities at Apollo Hospitals

Quality improvement at Apollo Hospitals aims at enhancing safety, effectiveness and efficiency so as to deliver excellent patient care along with best clinical outcomes. It is an ongoing process that helps to continually innovate and evolve the care delivery process through service excellence and patient safety, with the focus on improving outcomes. The challenge is to get better each year.

The Quality Improvement Program documents and reviews the current performance to clearly see the targeted areas for improvement and chart progress. All hospital employees are required to participate in ongoing and systematic quality improvement efforts.

The following were the Quality activities at a glance for the year 2019:

Competency Development

- Four workshops, seven webinars and two focused training sessions were conducted on various topics of patient safety for the benefit of the Quality Teams within as well as out of the Apollo Hospitals.

ACE Platform (ACEP)

ACE Platform (ACEP) is a standardized tool formulated by Apollo Hospitals, to share the best practices for clinical excellence and quality improvement for the benefit of the other healthcare providers outside the Apollo Hospitals Group.

The initiative is pro-bono and is aimed at enhancement of the quality of healthcare delivered across India.

The ACE platform can be used by any hospital across the country to drive quality improvement, patient safety and better clinical outcomes. ACEP comprises of important indicator sets for monitoring quality and clinical excellence along with policies which deal with the core processes in patient care.

Policies and indicators sets for implementation along with training material are shared with the affiliated hospitals.

Over 60 hospitals outside the Apollo Hospitals Group have so far implemented ACEP through affiliation and have consistently improved the implementation of quality in their respective hospitals.

Criteria for inclusion of hospitals (outside Apollo Hospitals Group) for ACE Platform

- Bed strength 15 beds or more
- Laboratory services
- Radiology services
- Fully equipped ICU with ventilator

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Competency Development

- Four workshops, seven webinars and two focused training sessions were conducted on various topics of patient safety for the benefit of the Quality Teams within as well as out of the Apollo Hospitals.
• International Patient Safety Conference was conducted at Hyderabad which was attended by more than 2700 candidates

• Mentorship Model for new joinees was implemented

• Opportunity to conduct mock JCI, NABH Survey and 360 Degree Reviews was provided to the Quality Team members across the various Apollo Hospitals

**Quality Watch**

The following monthly themes were observed:

• Medication Safety Month

• Facility Safety Month

• Surgical Safety

• Fire Safety

• Focus On Infection Control

• TASCC focus

• Patient safety

**Accreditations**

JCI and NABH accreditation and reaccreditation cycles were successfully completed at various Apollo Hospitals

**Special Initiatives**

• Quarterly Review with all locations

• Apollo Incident Reporting System (AIRS) implementation in all locations

• AIRS BI Dashboard for Leadership

• Project 365 Implementation

• Toolkit Implementation

• Conduct of Online Culture of Safety Survey

• Quality Staff KRAs aligned with current year AOP

**Social Media**

One hundred and fifty four Quality and Patient Safety videos were released on the Youtube

Sixty Blogs were released by the Quality Team members across Apollo Hospitals.

**Safety Culture Survey**

The Safety Meter parameters for the Culture of Safety depicted the following:

91% of participants gave a positive grade for their work area/unit in the hospital on patient safety

96.8% of respondents said that the teams are actively doing things to improve patient safety

93.5% of respondents said that the hospital management provides a work climate that promotes patient safety

**Quality activities done on various themes at Apollo Hospitals**

**Medication Safety**

Apollo Hospitals, Bhubaneswar

Apollo Hospitals, Hyderabad
Infection Control

Fire Safety

Equipment Safety
Garde Cosmetic Dentistry to simple and affordable dental services.

Apollo Fertility offers several specialized investigative procedures for infertility in men and women giving couples their very best chance of a successful pregnancy. Along with the state-of-the-art technology and clinical protocols that are closely monitored, Apollo Fertility gives the expertise and technology to increase the couples' chances for child bearing.

Upholding Quality at AHLL

Quality and patient safety are an inherent part of the culture at Apollo Hospitals. The patient centric services provided at the various units of AHLL further strengthened their culture by obtaining the credible seal of accreditation by the NABH.

The following clinics and hospitals of AHLL are NABH accredited:

<table>
<thead>
<tr>
<th>S. No.</th>
<th>NABH Accredited Units of AHLL</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Apollo Cradle, Amritsar</td>
</tr>
<tr>
<td>2</td>
<td>Apollo Cradle, Brookefield, Bangalore</td>
</tr>
<tr>
<td>3</td>
<td>Apollo Cradle, Jayanagar, Bangalore</td>
</tr>
<tr>
<td>4</td>
<td>Apollo Cradle, Jubilee Hills, Hyderabad</td>
</tr>
<tr>
<td>5</td>
<td>Apollo Cradle, Koramangala, Bangalore</td>
</tr>
<tr>
<td>6</td>
<td>Apollo Cradle, Motinagar, Delhi</td>
</tr>
<tr>
<td>7</td>
<td>Apollo Cradle, Nehru Place, Delhi</td>
</tr>
<tr>
<td>8</td>
<td>Apollo Medical Center, Annanagar, Chennai</td>
</tr>
<tr>
<td>9</td>
<td>Apollo Medical Center, Koramangala, Bangalore</td>
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<tr>
<td>10</td>
<td>Apollo Specialty Hospital, Kondapur</td>
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<td>11</td>
<td>Apollo Spectra Hospital, Alwarpet, Chennai</td>
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<td>Apollo Spectra Hospital, Gwalior</td>
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<td>13</td>
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</tr>
<tr>
<td>14</td>
<td>Apollo Spectra Hospital, Kailash Colony, Delhi</td>
</tr>
</tbody>
</table>

Apollo Health and Lifestyle Limited (AHLL)

Apollo Health and Lifestyle Limited (AHLL) is an Apollo Group initiative which takes healthcare services from the hospitals settings, closer to home within neighbourhood locations, in order to serve the community better. It is a network that has various healthcare business verticals like, Apollo Clinics, Apollo Cradle, Apollo Spectra Hospitals, Apollo Diagnostics, Apollo White Dental and Apollo Dialysis.

Apollo Clinic was introduced with the vision of servicing local communities and making world-class healthcare available for daily health needs in the neighbourhoods.

Apollo Sugar provides end-to-end care and management of diabetes and related complications for the community.

Apollo Cradle was the first to introduce the concept of an exclusive, standalone healthcare centre for women and pediatric care.

Apollo Spectra provides world-class surgical care that is accessible and available at an affordable cost.

Apollo Diagnostics provides a full spectrum of high precision diagnostic services based on which Apollo's healthcare practitioners design and deliver the most appropriate treatment plan to reduce patient's mortality and morbidity levels.

Apollo WHITE is a first of its kind dental care brand with a fleet of seven-star dental spas, studios, clinics and express centres spread across the country, offering everything from premium services, Avant
strengthening of its credentials as a world-class healthcare provider.

**Quality for Excellence (Q4E) Awards 2019**

The Quality for Excellence (Q4E) Programme ensures continuous quality improvement across all of the AHLL platforms and centres, through its various initiatives like Q4E Outcome Measures Programme, Q4E Surveys, Peer audits and accreditation standards implementation.

Q4E Awards are part of the Q4E programme wherein the best performing centre in terms of quality is given recognition. The winning centre is awarded a trophy during the Founder’s Day celebrations, in addition to a cash incentive for every staff of the centre.

The awards were conferred by Chairman, Dr Prathap C Reddy and Joint Managing Director, Ms Sangita Reddy.
Apollo Continuous Medical Education Program

Continued Medical Education (CME) is an essential requirement of all practising clinicians to keep themselves abreast of the recent advancements in the healthcare.

The CMEs are also a very powerful medium to reach out to the community physicians. Various CME programs have been designed to cater to the professional development needs of the doctors with respect to their expertise level and interests. Through these programs, Apollo Hospitals was able to touch base and up-skill the knowledge and skills of the doctors practising in the community.

Apollo Clinical Program (ACP)

For General Practitioners ACP aims to up skill the General Physicians (GPs) and covers important practice areas like Non-Communicable Diseases (NCDs).

MediNew and SurgiNew

For Specialists MediNew and SurgiNew are professional development programs for specialist doctors in the field of Internal Medicine, Orthopaedics, Laparoscopic Surgery, Paediatrics, Gynaecology, ENT, Pathology and Radiology.

MedVance and SurgVance Program

For Super-specialists MedVance and SurgVance are designed to enhance the skills of the super-specialists. These programs provide a platform for sharing medical advancements such as innovative technologies and techniques, newer drugs and treatment protocols. This program has been designed for super-specialist doctors in the field of Neurology, Neurosurgery, Nephrology, Transplants, Oncology, Cardiology, Cardiac Surgery, Critical Care, Endocrinology, Gastroenterology, Urology and Rheumatology.

Appropriate CME Credit Points are also given by respective State Medical Councils for these programs. Partnerships with various pharmaceutical, medical devices and biotech companies have been established for effective outreach.
Apollo Clinical Innovation Group (ACIG)

Apollo Hospitals have been leaders in the adoption of new technology and treatment protocols. To maintain this leadership position, a structured decision making process has been developed for this emulation of new technologies in treatment processes, involving stakeholders at all levels. Proposals are recommended to senior leadership for final consensus and approvals.

ACIG has been formulated to introduce best practices and latest technologies to delineate clinical innovation for implementation across Apollo Hospitals Group. In 2019, ACIG conducted 24 meetings and engaged 221 consultants to facilitate the formulation of 50 innovative proposals.

Innovative Technologies/ Clinical Protocols Implemented in 2019

<table>
<thead>
<tr>
<th>Innovation - Procedures and Processes</th>
<th>Implementation/availability at Apollo Hospitals locations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Video Laryngoscopy</td>
<td>Delhi, Hyderabad, Mumbai, Kolkata, Ahmedabad, Chennai, Bangalore</td>
</tr>
<tr>
<td>Code Fast</td>
<td>Delhi, Hyderabad, Chennai</td>
</tr>
<tr>
<td>Cardiac Rhythm Disorder Centre</td>
<td>Hyderabad, Kolkata, Chennai</td>
</tr>
<tr>
<td>Mechanical Thrombectomy</td>
<td>Ahmedabad, Chennai, Delhi, Kolkata, Navi Mumbai</td>
</tr>
<tr>
<td>HiPEC</td>
<td>Ahmedabad, Chennai, Delhi, Kolkata, Navi Mumbai</td>
</tr>
<tr>
<td>TransOral Robotic Surgery (TORS) for Sleep Apnoea</td>
<td>Delhi, Chennai</td>
</tr>
<tr>
<td>Prostatic Artery Embolization</td>
<td>Delhi, Ahmedabad</td>
</tr>
<tr>
<td>Vacuum Assisted Biopsy</td>
<td>Delhi, Chennai</td>
</tr>
<tr>
<td>Pharmacogenetic Testing</td>
<td>Delhi</td>
</tr>
<tr>
<td>Out Patient Arthroplasty</td>
<td>Indore, Hyderabad, Delhi</td>
</tr>
<tr>
<td>Trans Arterial Chemo Embolization</td>
<td>Delhi, Hyderabad, Mumbai, Kolkata, Ahmedabad, Chennai, Bangalore</td>
</tr>
<tr>
<td>Stretta – RF treatment for GERD</td>
<td>Chennai</td>
</tr>
<tr>
<td>Spinal Cord Stimulator</td>
<td>Delhi</td>
</tr>
<tr>
<td>Deep Brain Stimulation (DBS)</td>
<td>Kolkata, Delhi, Chennai, Ahmedabad</td>
</tr>
<tr>
<td>Mechanical CPR</td>
<td>Hyderabad, Chennai, Vizag</td>
</tr>
<tr>
<td>Automatic Bladder Scanner</td>
<td>Chennai, Bangalore, Delhi</td>
</tr>
<tr>
<td>Movement Disorder Clinic</td>
<td>Chennai, Kolkata</td>
</tr>
<tr>
<td>Automatic Breast Volume Scanner</td>
<td>Delhi, Chennai</td>
</tr>
</tbody>
</table>
**Success Stories**

- **Deep Brain Stimulation (DBS) for treating Parkinson’s Disease**

  *Source: Indraprastha Apollo Hospitals, Delhi*

  Mrs XY was suffering from very advanced Parkinson’s Disease for the last 8 years. She had worsening of all the debilitating symptoms of Parkinson’s disease (PD), such as tremor, rigidity, stiffness, slowed movement, and gait difficulties. Patient was almost bedridden for last few months. After thorough evaluation she underwent DBS procedure. DBS is a surgical procedure used to treat a variety of disabling neurological symptoms for patients whose symptoms cannot be adequately controlled with medications. It uses a surgically implanted, battery-operated medical device called a neurostimulator—similar to a heart pacemaker and approximately the size of a stopwatch—to deliver electrical stimulation to targeted areas in the brain that control movement, blocking the abnormal nerve signals that cause tremor and PD symptoms.

  Patient recovered significantly with DBS. She was able to walk around without support and all her symptoms improved. Later in the follow up underwent successful ‘Remotely Programmed Deep Brain Stimulation’ performed by her treating Neurologist at Indraprastha Apollo Hospitals.

- **Day Care Total Knee Replacement**

  *Source: Apollo Hospitals, Indore*

  A 52-year-old female patient Mrs. KY was suffering from medial compartment osteoarthritis since last 2 years. She was on painkillers but gradually the pain went on increasing and during the last few months’ patient was home ridden and could barely walk from bed to washroom.

  The various stages for the procedure followed were:

  - **Pre-operative counselling** – Patient fit into the selection criteria for day-care surgery was checked and confirmed. The patient was counselled accordingly. The option of routine hospital stay was kept open and conveyed to the patient.

  - **Pre-operative planning and preparation** – Two days before surgery, two team members went to the patient house assessed the facilities. The necessary height adjustments of her bed and commode were made with extensions. The patient room and attached washroom was fumigated one day prior to surgery and the patient along with her relative were taught about strict hand hygiene that they would have to follow post-surgery.

  - **The day of surgery** – Patient was admitted in the morning at 7 am was taken to O.T. at 8.30 am. The anaesthesiologist, gave lumbosacral (LS) plexus block and the surgery was performed.

  - **Pain management** – This included pre-emptive, intraoperative cocktail and adequate post-operative analgesia.

  - **Immediate post-operative period**– The patient had tea and biscuits in this period and came out of recovery walking with the help of walker due to a good LS block given.

  - **Discharge** – The patient was discharged on same day with a home nurse and housekeeping staff support for the next 48 hours. Physiotherapy was done as per the routine protocol by physiotherapist visiting the patient at home. The patient was trained to perform her activities of daily living.

  - **Recovery** – The recovery was uneventful. Walking with support was initiated in the recovery itself and she continued at her home. On the 7th post-operative day she walked without support and climbing and getting down from stairs on her own.

  - **Follow Up** – Patient came for follow-up on 8th postoperative day. Range of movement was 0-90 degrees. There were no issues and the patient was happy, pain free and walking without support and climbing stairs.
Apollo Innovation and Quality Awards 2019

Apollo Innovation and Quality Awards is a platform that felicitates and rewards hospitals within the Apollo Group for their diligent efforts and innovations to persistently improve patients care, quality and safety.

Nominations for Apollo Innovations and Quality Awards 2019 were invited from all locations in seven categories:

- Excellence in Clinical Services
- Excellence in Community Services
- Excellence in Environmental Conservation
- Excellence in Finance
- Excellence in HR Practices
- Excellence in Operations
- Excellence in Patient Safety

One hundred eighty-five nominations were received from 28 units.

The nominations were judged by an esteemed panel of jury:

**Excellence in HR practices**

- Dr Yash Pal Bhatia (Astron)
- Dr Sriharsha Achar

**Excellence in Finance**

- MS Sriram Musaravakkam
- Mr Manian KBS

**Excellence in Clinical Service**

- Dr Arun Kumar Agrawal
- Dr Rana Mehta (PwC)

**Excellence in Environmental conservation**

- Brig (Retd) KR Chakravarti
- Mr Ravichandran

**Excellence in Community Services**

- Dr Dilip Mathai
- Dr Pulijala Srinivas Rao

**Excellence in Operations**

- Mr Lalit Mistry (KPMG)
- Mr Gerald Jaideep, Medvarsity

**Excellence in Patient Safety**

- Dr JK Das (NIHFW)
- Dr Girdhar Gyani (AHPI)
The winners in each category were:

### Excellence in Operations

<table>
<thead>
<tr>
<th>Winner</th>
<th>Projects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apollo Cancer Institute, Teynampet</td>
<td>Drain Bag – The Dignity Holder</td>
</tr>
</tbody>
</table>

**Special Recognitions**

| Apollo Main Hospitals, Chennai                   | Atellica Inventory Management - RFID Tracking System            |
| Apollo Main Hospitals, Chennai                   | Implementation of Supply Chain Analytics using Microsoft Power BI|
| Indraprastha Apollo Hospitals, Delhi             | Re-architecting Hospital Pharmacy Inventory Management system- A Novel Approach |
| Apollo Speciality Hospitals, Madurai             | FAST TAG VISIT – First Visit                                    |
| Apollo Main Hospitals, Chennai                   | Philips – MedMantra Digital Pathology Integration                |

### Excellence in Clinical Services

<table>
<thead>
<tr>
<th>Winner</th>
<th>Projects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apollo Hospital, Indore</td>
<td>Day Care Total Knee Replacement - A New Concept - First in Central India</td>
</tr>
</tbody>
</table>

**Special Recognitions**

| Apollo Main Hospitals, Chennai                   | Intra-Arterial Chemotherapy for Retinoblastoma                  |
| Apollo Proton Cancer Center                      | Total Marrow Lymphoidal Irradiation for Patients of Acute Leukemia |
| Apollo Cancer Institute, Teynampet               | Keeping Little Hearts Strong - Cost Effective Cardiac Protection In Haploidentical Stem Cell Transplantation |
| Apollo Cancer Institute, Teynampet               | Effective utilization of Resources – Titre Preparation is now Touching Cancer Diagnostics |
| Apollo Hospitals, Noida                          | Baby in Glass                                                   |

### Excellence in HR Practices

<table>
<thead>
<tr>
<th>Winner</th>
<th>Projects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apollo Main Hospitals, Ahmedabad</td>
<td>Manpower Rationalization – On-roll Staff Cost Optimization</td>
</tr>
</tbody>
</table>

**Special Recognitions**

| Apollo Gleneagles Hospital, Kolkata              | Talent Development at Apollo Gleneagles hospital Kolkata- Project LEAD |

## Excellence in Financial Management

**Winner**
- Apollo Main Hospitals, Ahmedabad

**Projects**
- Reduction in Utility cost to Improve Hospital Contribution Margin

**Special Recognitions**
- Apollo Specialty Hospitals, OMR

**Projects**
- Project: Optimum Usage of Water

## Excellence in Community Services

**Winner**
- Apollo Main Hospitals, Ahmedabad

**Projects**
- Vaccination Initiatives – Protect future of Society

**Special Recognitions**
- Apollo Proton Cancer Center

**Projects**
- No food Waste @ APCC

## Excellence in Environmental Conservation

**Winner**
- Apollo Cancer Institute, Teynampet

**Projects**
- ONE ELEMENT OF NATURE – SAVES FIVE - An initiative towards effective utilisation of rain water to save water, energy, material, money and man hours

**Special Recognitions**
- Apollo Medics Hospital Lucknow

**Projects**
- Leed Certification - Apollomedics

## Excellence in Patient Safety

**Winner**
- Apollo Main Hospitals, Chennai

**Projects**
- Med Safe Zone: The path to zero harm

**Special Recognitions**
- Apollo Corporate

**Projects**
- Project 365

- Apollo Main Hospitals, Ahmedabad

**Projects**
- Antibiotic Stewardship Program

- Apollo Health and Lifestyle

**Projects**
- Apollo Safety Development Model - Building a Culture of Safety in Apollo Specialty Hospitals
The awards were conferred by Chairman, Dr Prathap C Reddy and Joint Managing Director, Ms Sangita Reddy.
Apollo Clinical Awards 2019

Apollo Clinical Awards is a platform that honours and recognizes Consultants who have achieved path breaking clinical, academic and research related success.

Nominations for Apollo Clinical Awards 2019 were invited from Consultants of all locations in six categories:

- Distinguished Clinician
- Distinguished Academician

Ninety-one nominations were received. The nominations were judged by an esteemed panel of jury.

The winners in each category were:

**Distinguished Clinician**

Dr Sandeep Guleria, Senior Consultant, Transplant Surgery, Indraprastha Apollo Hospitals, Delhi
Dr. YVC Reddy, Senior Consultant, Interventional Cardiology, Apollo Main Hospitals, Chennai

**Distinguished Academician**

Dr. P Satishchandra, Senior Consultant, Neurology, Apollo Hospitals, Jayanagar, Bangalore
Dr. Venkatesh Munikrishnan, Senior Consultant, Colorectal Surgery, Apollo Main Hospitals, Chennai

**Distinguished Researcher**

Dr. Mahadev Potharaju, Senior Consultant, Oncology Radiation, Apollo Cancer Institute, Teynampet
Dr Suvro Banerjee, Senior Consultant, Cardiology, Apollo Gleneagles Hospitals, Kolkata

**Young Clinician**

Dr Manish Verma, Senior Consultant, Transplant Surgery, Apollo Hospitals, Hyderabad
Dr Shantanu Panja, Consultant, ENT, Apollo Gleneagles Hospitals, Kolkata

**Young Academician**

Dr Laxman G Jessani, Consultant, Infectious Diseases, Apollo Hospitals, Navi Mumbai
Dr Swarna Deepak, Consultant, Intensive Care Medicine, Apollo Hospitals, Hyderabad

**Young Researcher**

Dr Nitin Ghonge, Senior Consultant, Radiology, Indraprastha Apollo Hospitals, Delhi
Dr Sudipta Shekhar Das, Senior Consultant, Transfusion Medicine, Apollo Gleneagles Hospitals, Kolkata
The awards were distributed by Executive Vice Chairperson, Ms Shobana Kamineni.

Dr Sandeep Guleria, receiving Distinguished Clinician Award

Dr YVC Reddy, receiving Distinguished Clinician Award

Dr P Satishchandra, receiving Distinguished Academician Award

Dr Venkatesh Munikrishnan, receiving Distinguished Academician Award

Dr Mahadev Potharaju, receiving Distinguished Researcher Award

Dr Suvro Banerjee, receiving Distinguished Researcher Award
**Share Your Story**

It is important to share the best practices and innovations amongst the hospitals within the Group for continuous improvement and further enrichment. The "Share Your Story" initiative was conceptualized with a view to share best practices amongst all the units Apollo Hospitals on one chosen topic, every quarter. The topics for the quarters in 2019 and respective winners were:

- Strategies implemented for preventing reporting (investigation reports) errors
  Winner: Apollo Hospitals, Dhaka
- Preventing Surgical Site Infections - Strategies Implemented
  Winner: Apollo Hospitals, Chennai

**Join Commission International (JCI) Accredited Apollo Hospitals**

The following seven Apollo Hospitals are JCI Accredited:

<table>
<thead>
<tr>
<th>Hospital</th>
<th>Last JCI Accreditation</th>
<th>Next JCI Accreditation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indraprastha Apollo Hospitals, New Delhi</td>
<td>2017</td>
<td>2020</td>
</tr>
<tr>
<td>Apollo Hospitals, Hyderabad</td>
<td>2018</td>
<td>2021</td>
</tr>
<tr>
<td>Apollo Hospitals, Chennai</td>
<td>2017</td>
<td>2020</td>
</tr>
<tr>
<td>Apollo Hospitals, Bangalore</td>
<td>2017</td>
<td>2020</td>
</tr>
<tr>
<td>Apollo Hospitals, Kolkata</td>
<td>2018</td>
<td>2021</td>
</tr>
<tr>
<td>Apollo Hospitals, Ahmedabad</td>
<td>2016</td>
<td>2019</td>
</tr>
<tr>
<td>Apollo Hospitals, Navi Mumbai</td>
<td>2017</td>
<td>2020</td>
</tr>
</tbody>
</table>
National Accreditation Boards for Hospitals and Healthcare Providers (NABH) Accredited Apollo Hospitals

The following 30 Apollo Hospitals are NABH Accredited:

<table>
<thead>
<tr>
<th>Hospital</th>
<th>Last NABH Accreditation</th>
<th>Next NABH Accreditation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apollo Hospitals, Ahmedabad</td>
<td>2017</td>
<td>2020</td>
</tr>
<tr>
<td>Apollo Hospitals, Bilaspur</td>
<td>2019</td>
<td>2022</td>
</tr>
<tr>
<td>Apollo Speciality Hospitals, Madurai</td>
<td>2019</td>
<td>2022</td>
</tr>
<tr>
<td>Apollo BGS Hospitals, Mysore</td>
<td>2019</td>
<td>2022</td>
</tr>
<tr>
<td>Apollo Jehangir Hospital, Pune</td>
<td>2019</td>
<td>2022</td>
</tr>
<tr>
<td>Apollo Hospitals, Bhubaneswar</td>
<td>2016</td>
<td>2019</td>
</tr>
<tr>
<td>Apollo Hospitals, Secunderabad</td>
<td>2017</td>
<td>2020</td>
</tr>
<tr>
<td>Apollo Hospital, Hyderguda</td>
<td>2017</td>
<td>2020</td>
</tr>
<tr>
<td>Apollo Speciality Hospitals, Vanagaram</td>
<td>2018</td>
<td>2021</td>
</tr>
<tr>
<td>Apollo Hospitals, Kakinada</td>
<td>2018</td>
<td>2021</td>
</tr>
<tr>
<td>Apollo Hospitals Noida</td>
<td>2017</td>
<td>2020</td>
</tr>
<tr>
<td>Apollo Specialty Cancer Hospital, Teynampet</td>
<td>2019</td>
<td>2022</td>
</tr>
<tr>
<td>Apollo Hospitals, Trichy</td>
<td>2018</td>
<td>2021</td>
</tr>
<tr>
<td>Apollo Hospitals, Indore</td>
<td>2016</td>
<td>2019</td>
</tr>
<tr>
<td>Apollo Hospitals, Nashik</td>
<td>2016</td>
<td>2019</td>
</tr>
<tr>
<td>Apollo Medical Centre, Karapakkam</td>
<td>2017</td>
<td>2020</td>
</tr>
<tr>
<td>Apollo Hospitals, Navi Mumbai</td>
<td>2017</td>
<td>2020</td>
</tr>
<tr>
<td>Apollo Hospitals, Seshadriprupam</td>
<td>2018</td>
<td>2021</td>
</tr>
<tr>
<td>Apollo KH Hospitals, Ranipet</td>
<td>2018</td>
<td>2021</td>
</tr>
<tr>
<td>Apollo Speciality Hospitals, OMR</td>
<td>2018</td>
<td>2021</td>
</tr>
<tr>
<td>Apollo Children's Hospital, Chennai</td>
<td>2018</td>
<td>2021</td>
</tr>
<tr>
<td>Apollo Hospitals, Vizag</td>
<td>2018</td>
<td>2021</td>
</tr>
<tr>
<td>Apollo Hospitals, Jayanagar</td>
<td>2017</td>
<td>2020</td>
</tr>
<tr>
<td>Apollo Hospitals, Guwahati</td>
<td>2018</td>
<td>2021</td>
</tr>
<tr>
<td>Apollo Hospitals, Karaikudi</td>
<td>2018</td>
<td>2021</td>
</tr>
<tr>
<td>Apollo Speciality Hospitals, Nellore</td>
<td>2019</td>
<td>2022</td>
</tr>
<tr>
<td>Apollomedics Super Speciality Hospitals, Lucknow</td>
<td>2019</td>
<td>2022</td>
</tr>
<tr>
<td>Apollo Women's Hospitals, Chennai</td>
<td>2019</td>
<td>2022</td>
</tr>
<tr>
<td>Apollo Hospitals, Karimnagar</td>
<td>2019</td>
<td>2022</td>
</tr>
<tr>
<td>Apollo Hospitals, DRDO</td>
<td>2019</td>
<td>2022</td>
</tr>
</tbody>
</table>
New Launches

Apollo Adlux Super Speciality Hospitals, Kochi

Apollo Hospitals launched its new 300 bedded super speciality hospital, Apollo Adlux- Super Speciality Hospital in Kochi, Kerala.

Apollo Adlux Hospital has access to world-class technologies and services, state-of-the-operation theatres, advanced laboratory and medical diagnostics including 60 ultra-modern I.C.U. beds, coronary care unit, medical ICU, surgical ICU, neonatal ICU, pediatric ICU.

The tertiary care hospital has an advanced oncology section planned for the next phase. The hospital provides 24/7 round-the-clock super speciality treatments with experienced specialist doctors. World class equipment with advanced technology like MRI, 128 slice CT scan, cardiac cathlab, mammogram etc. with state of the art laboratory and emergency facilities position the hospital as one of the best in the region. Super-speciality departments like cardiac care, trauma care, orthopaedics, neurosciences, gastrosciences, kidney, with all affiliated specialities and sub specialities are the hallmark of Apollo Adlux Hospital.

South Asia's First Digital PET-CT at the Apollo Proton Cancer Centre, Chennai

Apollo Hospitals introduced the first of its kind Digital PET CT - Biograph Vision 600 scanning machine. The state-of-the-art scanning machine is a radioactive diagnostic agent used in positron emission tomography (PET) imaging. It is designed for improved accuracy, performance, and reproducibility to deliver a whole new world of precision in PET/CT imaging. It helps reduce scan time and injected dose, reducing patient exposure to radiation.

Indraprastha Apollo Hospitals, Delhi launched Radixact X9 TomoTherapy for Cancer Patients

Indraprastha Apollo Hospitals, Delhi has launched the most advanced version of Tomotherapy Radixact X9 for the treatment of cancer patients. Tomotherapy benefits cancer treatment because of its higher degree of precision, speed and accuracy. Tomotherapy is effective in treating cancer, irrespective of the stage, especially multiple metastasis.

Radixact X9 enables a fully integrated platform for adaptive radiation, planning, data management and treatment delivery. With the addition of the Radixact system, The Radiation Oncology service at Indraprastha Apollo Hospitals has become one of the best centres in the world. It complements well with
The IPSC has become a powerful platform where best practices and innovations in patient safety are shared. A well-knit program with keynote presentations, panel discussions, debates, paper and poster presentations, make the IPSC a vibrant forum for exchanging ideas and knowledge, and an opportunity to think, reflect and learn the best from the best.

The 8th IPSC was held at HICC, Novotel (INDIA) on 13th -14th September 2019. It surpassed all the earlier records and witnessed the presence of over 2680 delegates from India and 30 different countries. Over 150 scientific sessions were conducted by over 250 international and national speakers. Innovative technologies were showcased by over 44 exhibitors.

The first seven conferences were a success with 750 delegates in 2011; 800 delegates in 2012; 845 delegates in 2013; 854 delegates in 2014; 1100 delegates in 2015; 1400 delegates attended in 2016 and 1500 delegates in 2017.

The knowledge partners who supported the 8th IPSC included the Joint Commission International (JCI), Association of Private Hospitals of Malaysia (APHM), World Innovation Summit for Healthcare (WISH), British Medical Journal (BMJ), PwC India, Asian Society for Quality in Healthcare (ASQua), International Alliance of Patients' Organizations, Association of Healthcare Providers India (AHPI), National Accreditation Board for Hospitals and Healthcare Providers (NABH), National Health Systems Resource Centre (NHSRC), CAHO, Administrative Staff College of India (ASCI) and the Dabbawalas amongst the many others.

The Global Round Table was amongst the most talked about sessions. The dignitaries present were:

- Dr. Ahmadou Lamin Samateh, Hon. Health Minister of Gambia
- Ms. Ruth Maphorisa, Permanent Secretary, Ministry of Health and Wellness, Botswana
- H.E. Dr. T E Kuyseang, Secretary of State for Health, Ministry of Health, Cambodia
- Dr. Zakaria Al Altal, Senior Consultant, International Accreditation and organizational Development, Director- Healthcare Accreditation and Clinical Quality Department, UAE
- Dr. Joseph Bulanda Nsambi, Minister of Health, Lubumbashi, Democratic Republic of Congo

New in Medicine

‘New in Medicine’ is compiled under the following five heads after studying leading medical journals, major medical news sites and numerous web sites:

- Drugs
- Clinical Research
- Devices
- Treatment Guidelines
- Healthcare Administration

New in Medicine is published monthly and circulated to all Apollo Hospitals consultants.

Ninety-two issues have been published till December 2019. It is also sent to the Community Physicians.

8th International Patient Safety Conference 2019

The International Patient Safety Conference (IPSC), is the largest annual event in India for healthcare quality and patient safety. The platform brings together eminent patient safety experts from across the world with the fundamental aim of deliberating for creation of proactive practices for healthcare systems safety.
Dr. Ahmadou-Lamin-Samateh, Honourable Health Minister of Gambia with Chairman, Dr Prathap C Reddy

Ms. Ruth Maphorisa, Permanent Secretary, Ministry of Health and Wellness, Botswana, at 8th International Patient Safety Conference

Dr. Joseph Bulanda Nsambi, Minister of Health, Lubumbashi, Democratic Republic of Congo with Chairman, Dr Prathap C Reddy

Ms. Paula Wilson, President, Joint Commission International, at 8th International Patient Safety Conference

Dr. Indu Bhushan, CEO, PMJAY & National Health Agency, at 8th International Patient Safety Conference

Dr. Mark Britnell, Global Chairman & Senior Partner for Healthcare, Government & Infrastructure, KPMG, at 8th International Patient Safety Conference

Mr. Anant Maheshwari, President, Microsoft India, at 8th International Patient Safety Conference

Dr. Preetha Reddy, Vice Chairperson, Apollo Hospitals Group, at 8th International Patient Safety Conference
Ms. Shobana Kamineni, Executive Vice Chairperson, Apollo Hospitals Enterprise Limited, at 8th International Patient Safety Conference

Dr. Sangita Reddy, Joint Managing Director, Apollo Hospitals Enterprise Limited, at 8th International Patient Safety Conference

Prof. William B. Elnicke, Professor of Professional Practice, SIPA Picker Center for Executive Education, Columbia University, New York, at 8th International Patient Safety Conference

Dr. Shravan Subramanyam, Managing Director, Roche Diagnostics India, at 8th International Patient Safety Conference

Dr. K. Hari Prasad - President Hospitals Division, Apollo Hospitals Group, at 8th International Patient Safety Conference

Session: The Global Round Table

Lamp Lighting Ceremony
Highlights of International Health Dialogue included addressal by Guest of Honor – Sri Etela Rajendra, Honorable Minister for Medical, Health & Family Welfare, Government of Telangana. The final addressal was delivered by Chief Guest, Dr. Tamilisai Soundararajan, Honorable Governor, State of Telangana.

Dr. Tamilisai Soundararajan, Honorable Governor, State of Telangana, at 8th International Patient Safety Conference

Sri Etela Rajendra, Honorable Minister for Medical, Health & Family Welfare, Government of Telangana, at 8th International Patient Safety Conference

Awards distribution, at 8th International Patient Safety Conference
in interactive sessions and educational programs. A trade exhibition showcased the latest products, technology, services and industry information. THIT had over 500 decision-makers, as participants, from over ten countries. The participants were from the nascent healthcare IT industry, leading IT companies and healthcare institutions. National level organizations like the Indian Medical Association, Telemedicine Society of India, Computer Society of India, Indian Association for Medical Informatics and several government organizations also participated.
New and Rare Treatments/Interesting Cases

Indraprastha Apollo Hospitals, Delhi

- A 5-year-old child from Myanmar, underwent a 10-hour long surgery to successfully repair a hole in his heart along with a leaking heart valve. For the very first time, a bypass in a small child by cannulating the groin blood vessels was successfully done.

- A 5-hour robotic surgery was successfully performed to remove a large vascular tumor in the kidney (Angiomyolipoma) in a 65-year-old female patient.

- Lifesaving heart surgery was performed on a Nigerian child. The child was suffering from ankylosing spondylitis.

- Bilateral hip replacement was conducted successfully in a 53-year-old patient suffering from ankylosing spondylitis.

- A 5-hour robotic surgery was successfully performed to remove a large vascular tumor in the kidney (Angiomyolipoma) in a 65-year-old female patient.

- Lifesaving heart surgery was performed on a Nigerian child. The child was suffering from
A 3-month old female child, diagnosed with Supracardiac TAPVD (Total anomalous pulmonary venous drainage), a type of congenital heart disease, underwent successful cardiac surgery that lasted for almost seven hours.

A 3-week-old baby girl with rare heart condition—Anomalous Left Coronary Artery from the Pulmonary Artery (ALCAPA) was successfully managed by the intensivists of Indraprastha Apollo Hospitals. The baby had presented to the emergency department of Indraprastha Apollo Hospitals with cardiac arrest and was immediately resuscitated and stabilized.

A one-year-old infant from Uzbekistan diagnosed with 'laryngeal web formation', a rare anomaly, underwent successful corrective surgery and his voice was restored.

A 45-year-old patient underwent a record third kidney transplant at Indraprastha Apollo Hospitals, Delhi. The patient’s husband donated his kidney this time. They were ABO incompatible, however the team took on the challenge and performed the highly complicated transplant successfully.

In an extremely rare case of Budd Chiari Syndrome with Biliary Atresia seen in one in a million babies, the liver team successfully performed a liver transplant on a 5-month old baby from Kakinada, Andhra Pradesh.

A 67-year-old Nigerian national, who had lost all hope of walking again, was back on her feet after undergoing an advanced procedure, a half-knee replacement surgery, also called Oxford Knee Surgery.

A successful arterial switch operation was successfully performed on a one-month old baby, diagnosed with rare congenital complaints of Transposition of Great Arteries (TGA), intact IVS (Intra-Ventricular Septum), Fossa Ovalis ASD and PDA. Patient recovered well and was discharged in a stable condition.

Successful surgical removal of a massive breast tumor (2 kg) was performed in a young female patient. The patient was further treated by radiotherapy.

Haplo-identical transplant procedure successfully performed for a patient with Fanconi anemia.
Delhi, in an unconscious state with extreme cardiorespiratory failure

- A 35-year old patient from Uzbekistan was able to regain his voice after 15 years following laser surgery. The previous surgery to treat his thyroid condition had led to complications which damaged both his airways and vocal cords.

- A 73-year old patient was successfully treated for multiple artery blockages via multiple stenting through a keyhole surgery.

- An 8-month old child from Congo, diagnosed with a congenital heart disease, Truncus Arteriosus type 3, underwent successful heart repair surgery. The patient was discharged in a stable condition.

- A new methodology, to treat diabetic foot ulcers and open wounds, was introduced. The local antibiotic delivery method was improvised using Vitamin D3 impregnated with Tobramycin or a combination of Vancomycin and Tobramycin as carrier molecule. The innovation has been submitted for publication in an International Journal.

- A hybrid procedure, intra-operative ERCP guided and controlled dilatation of the strictured hepatico-jejunostomy in a pediatric liver transplant recipient was successfully performed.

- ABO mismatch allogenic peripheral blood stem cell collection was successfully performed on a 6-month old baby (donor) weighing 7 Kg. The collection was performed to treat the 3-year old sibling who was suffering from severe Aplastic Anemia. This was one of the youngest allogenic peripheral blood stem cell collection in the country. Both recipient and the donor were discharged from the hospital in a normal condition.

- A 12-year old Uzbek child regained his voice, after 10 years' post-fall where he incurred critical injury to his head. A rare reconstructive surgery was performed to correct the subglottic stenosis which was technically challenging.

Apollo Main Hospitals, Chennai

- Apollo Hospitals, Chennai became the first centre in India to perform minimally invasive- Robotic Hybrid Revascularization surgery to treat blocks in two major blood vessels to improve blood flow to the heart. The cutting-edge procedure gave a new lease of life to a 63-year-old female patient from Chennai.

- Four patients in their 80s recovered from complex coronary lesions and valve disorders after undergoing through some of the latest procedures namely Complex PCI, Mitra Clip, Transcatheter Aortic valve implantation (TAVI) and Rotablation.
• Trans Catheter Aortic Valve Replacement (TAVR) procedure was successfully performed on an 82-year-old ex-Army Major General who suffered severe aortic stenosis due to surgical valve failure.

• India’s first VenaSeal procedure to treat varicose veins was performed at Apollo Hospitals, Chennai. The procedure was performed on a 40-year-old male patient using VenaSeal closure system. VenaSeal closure system is a minimally invasive treatment option that permanently treats varicose veins of the legs by sealing the affected superficial veins using an adhesive agent.

• A fully awake craniotomy with neurophysiology monitoring was performed successfully to remove a tumor adjacent to motor cortex of brain.

• Robotic assisted minimally invasive CABG was successfully performed and the patient was discharged within 48 hours’ post-surgery.

• Revival of Out of Hospital Cardiac Arrest (OOHCA) emergency patients was successfully performed for patients aged 78 years and 60 years.

• Apollo Hospitals, Chennai became the first center in India to successfully perform a Trans-femoral Pulmonary Valve Implantation. The implanted valve was Indian made. The procedure was performed on a 26-year-old female patient who presented to the Hospital with symptoms of breathlessness and was diagnosed to have Tetralogy of Fallot.

• A Robotic TLH – hysterectomy for a 16 weeks’ fibroid uterus was performed as day surgery.

• Surgeons at Apollo Hospitals, Chennai, excised a rare bone-eating tumour, Desmoplastic Fibroma, from the ankle of a 19-year-old patient from Bangladesh.

• Trans-femoral pulmonary valve implantation was successfully performed.

• Complex PCI, Mitra Clip, Transcatheter Aortic Valve Implantation (TAVI) and Rotablation was successfully performed.
• Doctors at Apollo Hospitals, Chennai restored the crushed face of 23-year-old after a massive accident.

• For the first time in Asia, three Mitral Clip procedures were successfully performed on a single day.

• New investigation regime was introduced by the Department of Biochemistry for use in the diagnosis of autoimmune thrombotic disorders and other lupus-like diseases.

• A new Corindus Vascular Robotic system was installed in the Cathlab.

• Port Access Mitral Valve replacement (MICS) was successfully performed on a 78-year-old patient.

Apollo Hospitals, Indore

• Dual layer stent, C guard carotid stent was used for the first time in central region for treating a patient with both ischemic heart disease and stroke with severe left internal carotid artery stenosis.

• L5 foraminotomy and discectomy in a patient weighing 135 kg was performed. The patient was discharged on the 4th day with disappearance of all symptoms.

• Aortic dissection repair with aortic hemi-arch reconstruction was performed successfully in a 36-year-old female suffering from chronic kidney disease.

• Total thyroidectomy with bilateral radical neck dissection was successfully performed to treat a patient with a rare condition of huge thyroid swelling with extensive neck node metastasis.

• Bilateral Total Knee Replacement was successfully performed in a 60-year-old female patient diagnosed with Arnold Chiari Malformation.

• For the first time in Central India, Nailfold Capillaroscopy (NFC) with digital microscope was used as a diagnostic technique for cases of systemic sclerosis and autoimmune CTDs.

• First Day Care Total Knee Replacement in Central India was successfully performed in a 52-year-old female patient having osteoarthritis of left knee joint.

• Diagnosis and treatment of a rare condition Henoch-Schonlein Purpura (HSP) in an 8yr old male patient having complaints of severe pain abdomen and rashes both lower limbs.

• Re-implantation surgery of a totally amputated left-hand was successfully performed for a patient.

• Successful management of a rare condition 'Methemoglobinemia due to Metoclopramide' in a 59-year-old male patient, a known case of carcinoma bladder post-radical cystectomy and bilateral uretero-sigmoidostomy.

• Successful surgery performed for a premature and extremely low birth weight baby of 1.3 kg with a 5 mm PDA. The baby gained weight post discharge.

• TAVI was successfully performed in a 79-year-old female patient who underwent CABG with AVR about a year back. She had developed re-stenosis of prosthetic valve. This was the first case of TAVI in Madhya Pradesh.

• In a rare case scenario, Fosfomycin was used for fighting MDR Klebsiella pneumonia in CSF in a 55-year old patient, who was operated for acute hydrocephalus secondary to colloid cyst at foramen of Monro. The infection in the CSF was not responding to Meropenem and Colistin. However, after the 14 days' treatment with Fosfomycin, the patient was discharged in a stable condition.

• A 53-year old female patient, successfully
underwent Naifold capillaroscopy (NFC) after being diagnosed with Morphea Profunda; a rare localized form of Scleroderma associated with limited cutaneous systemic sclerosis and Raynaud’s phenomenon.

• Bilateral TKR under lumbosacral block was successfully performed in a 77-year-old male patient with history of PTCA with severe mitral regurgitation, LVEF 45% and ankylosing spondylitis.

• A rare case of Ocular Sarcoidosis was diagnosed and successfully managed

Apollo Gleneagles Hospitals, Kolkata

• Successful treatment of a rare undetected presentation of laryngeal papilloma in a 2.5 year-old male child. Post-surgical treatment, the patient showed remarkable improvement.

• TARE (Trans Arterial Radio Embolization with Yttrium-90) was successfully performed for the first time in Eastern India.

• Flow diverter placement in left V4 vertebral artery aneurysm was successfully performed in a 41-year old female patient

• Para-duodenal hernia, a rare cause of intestinal obstruction was successfully treated in a 34-year old patient

• BRTO (Balloon-occluded Retrograde Trans-Venous Occlusion) procedure for the treatment of bleeding collaterals was successfully performed on a 55-year-old female patient with history of repeated bleeding from the small intestine resulting in repeated drop in hemoglobin and requiring frequent transfusions

• Percutaneous Y biliary stenting through single-port was performed successfully for a 56-year-old female patient, a known follow-up postoperative case of cancer.

• Apollo Gleneagles Hospitals, successfully performed venoplasty and permacath insertion in a 38-year-old female patient, who was on haemodialysis and was suffering from superior vena cava syndrome.

• For the first time in Eastern India, Apollo Gleneagles Hospitals, Kolkata conducted three renal transplants simultaneously on a single day. Out of the three transplants, one organ was harvested from deceased donor and the other two were live donations.

• The family of a 19-year old, brain dead female patient at Apollo Gleneagles Hospitals, Kolkata, donated the liver and kidneys to save lives of 3 patients. The liver and the kidney were transplanted in a 59-year-old male patient and a 30-year-old female patient, respectively, at Apollo Gleneagles Hospitals. The second kidney was donated to a patient in a nearby hospital in the city.

• A 59-year-old male diagnosed with jejunal lesion with active bleeding, successfully underwent
• Biocellular regenerative therapy and tissue engineering with bio scaffolds was successfully utilized for reconstructing and salvaging complex lower limb injuries in a 29-year-old male patient who suffered a road traffic accident and massive muscle injury over the thigh and knee extensor mechanism.

• Three hernias in a patient were repaired robotically at Apollo Gleneagles Hospitals, Kolkata. A live feed from the operating theatre was shared with participants in a conference.

• A 7-year old boy with a history of accidental ingestion of screw-driver, followed by 2 episodes of vomiting, successfully underwent laparoscopy assisted removal of the foreign body from the small intestine.

• A 64-year-old man with extensive de-gloving and muscle injury over his forearm after a road traffic accident, successfully underwent reconstruction of all exposed areas using regenerative biodegradable temporizing matrix (Novosorb BTM) and dermal regenerative template (Integra). This was the first case of successful use of regenerative matrix as a flap alternative in India.

• A complex surgery to treat advanced squamous cell carcinoma of temporal bone with metastatic deposits to neck, parotid and skin infiltration was successfully performed in a 48-year-old male patient. The incidence of temporal bone cancer worldwide is one in a million. The arduous procedure took 8-hours to complete and the technique included left lateral temporal bone resection+ wide local excision + resection of TM joint+ radical parotidectomy+ MRND+ reconstruction with scalp rotation flap and SSG. The patient recovered without any complications.

• Composite laser therapy of hypertrophic scars and scar contractures was successfully performed as an alternative to excisional scar surgery on a 30-year-old lady suffering from post-burn hypertrophic scars and contractures. This innovative scar treatment was performed for the first time in the world.

• Transcatheter Aortic Valve Replacement (TAVR), a percutaneous procedure, was successfully performed in a 78-year-old male patient, at Apollo Hospitals, Navi Mumbai. The patient could not undergo open heart valve replacement surgery due to co-existing health issues.

Apollo Hospitals, Navi Mumbai
"Watchman Left Atrial Closure Device Implantation" was successfully performed on an 83-year-old female patient from east Africa with non-valvular atrial fibrillation and high risk of stroke. She had earlier developed intracranial bleed due to oral anticoagulants. This was the second such implantation in the Mumbai region.

Heart transplant was successfully performed, for the first time at Apollo Hospitals, Navi Mumbai.

A 33-year-old man brain-dead gave a new lease of life to four persons at Apollo Hospitals, Navi Mumbai. The harvested heart was transported to Chennai for a patient. The liver and one kidney were transplanted in patients at Apollo Hospitals itself, while the other kidney was donated to a patient in a neighbouring hospital.

Successful management of an 81-year-old patient who had presented with cardiogenic shock and was a known case of Parkinson’s disease, DM, HTN and old CVA. Post revival a PTCA revealed 100% blockage in right coronary artery which was treated.

A 52-year old female patient, a case of lithium toxicity with unusual symptoms was successfully managed.

A 24-week old baby, weighing 760 gms, with severe RDS, chronic lung disease, extremely preterm and having neonatal sepsis and jaundice was successfully managed.

A 55-year old male patient with cardiogenic shock and post CPR from outside hospital, was successfully managed. Post stabilization, he was diagnosed and hypoxic brain injury. Medical management was done in the ICU. Patient was shifted to the ward with good prognosis.

A 70-year old male patient with VSD and 6.5 mm defect with TR was successfully managed by the CTVS team.

Apollo Hospitals, Hyderabad

Left atrial appendage closure successfully performed in 68-year-old male patient

Complex procedure TAVI was successfully performed on 73-years-old female patient with severe aortic stenosis using Indian made valve

TAVI successfully performed in an 82-year-old patient

Liver transplant for a 4-month old infant was successfully performed at Apollo Hospitals, Hyderabad

Apollo Hospitals, Hyderabad, successfully implemented the Extra Corporeal Carbon Dioxide Removal (ECCO2R) for the treatment of a patient with severe ARDS refractory instead of conventional treatment. This is the first ever case across India where (ECCO2R) was used successfully.

IVUS guided bifurcation PTCA successfully performed in a patient with left man disease and in-stent restenosis. Patient was a known case of triple vessel disease with severe LV dysfunction, acute kidney injury, heart failure functional class II.

"Split Liver Transplant" was performed successfully. Liver donated by a 37-year-old brain-dead patient was split into two and transplanted into two adult recipients (64 years and 53 years) suffering from liver cirrhosis. Both the recipients were discharged from the hospital after successful liver transplants.

Cranioplasty was successfully performed using computer assisted 3-D printed titanium implant.

Apollo Emergency Medical Team, successfully managed an emergency delivery of a baby in an ambulance. Apollo Team was intimated about an emergency landing of Cebu Pacific Airlines' scheduled Flight from Dubai to Manila at Hyderabad airport in early hours of due to a medical emergency. The patient, a 26-years-old, 37 weeks’ pregnant female patient was complaining of severe abdominal pain and bleeding PV. While the patient was being she to the hospital, she went into active labor and the baby was delivered in the ambulance itself. On reaching the hospital, the mother and the baby were stabilized.

Percutaneous stenting of Fontan conduit to treat
protein losing enteropathy was successfully performed in a 15-year-old adolescent patient with complex congenital heart disease.

**Apollo Hospitals, Madurai**

- Neuroendocrine carcinoma, a rare malignancy in the thorax was successfully diagnosed and treated in a 27-year-old male patient.

- Self-expanding metal stenting (SEMS) was successfully performed in a 45-year old female patient diagnosed with oesophageal squamous cell carcinoma and presented with stridor and respiratory failure. Ventilator support was removed for the patient post this treatment.

- Successful diagnosis and treatment of a 1-year-old baby suffering from Moya Moya disease with bilateral tempero parietal ischemic changes, a rare condition

- Diagnosis and treatment of a rare case of malignant pleural effusion without obvious lung mass (Tumor in situ) in a 45-year-old female patient, who presented with breathlessness since 8 months.

- A less invasive balloon tracheoplasty was successfully performed on a 25-year-old male patient to make his airway patent. The patient was having having post RTA head injury with prolonged ventilatory support since 4 months. The patient had presented with critical airway narrowing.

- Apollo Specialty Hospitals, Madurai recently performed a complicated procedure on a 50-year-old woman with brain aneurysm. The aneurysm of the woman was particularly rare due to its 'giant' size and the location where it occurred. To treat the condition, the doctors performed a procedure called 'high flow brain bypass surgery'.

- Cryo ablation of Tracheal Granuloma was successfully performed for a 17-year old patient. The patient had developed granuloma due to prolonged ventilation.

- CABG surgery was successfully performed using a less invasive procedure, the endoscopy technique.
Apollo Hospitals, Guwahati

- Navigated percutaneous fenestrated cannulated pedicle screw rod fixation and simultaneous augmented vertebroplasty was performed successfully in an elderly frail lady. The patient had a history of severe LBA with recent fall. She sustained multi-level osteoporotic vertebral compression fractures with dorso-lumbar acute kyphosis and had presented with weakness of legs with autonomic disturbances secondary to cauda equina syndrome. The patient recovered well in post-operative period with good neurological status. This is the first of such innovative spinal fixation system in north-east India, performed in MISS (Minimally Invasive Spine Surgery) protocol.

- Neuro navigation guided minimally invasive orbital tumor decompression via limited lateral orbitotomy was successfully performed to treat a 34-year-old male patient with history of left eye proptosis with orbital bruit.

- Dominant side FTOZ skull based craniotomy with Simpson grade 1 tumor excision and reconstruction post tumor embolization under GA, was successfully performed for a middle-aged female patient, having symptoms of gradual deteriorating sensorium and dimness of vision. This was the first of its kind in procedure in the North East region.

- An elderly male patient with injury to back with paraplegia, with advanced Parkinson’s disease and ankylosing spondylitis was successfully managed. Percutaneous titanium pedicle screw rod fixation followed by distraction and decompression of the spinal cord was performed using "Make in India" implants. This was first such case in the region.

- A complex surgery to remove a tumor from the heart of a 54-year-old female patient through minimally invasive approach was successfully performed for the first time in Northeast India. The large tumor was situated inside the left chamber of the heart and was occluding a heart valve.

- A young child successfully underwent programmable cysto peritoneal shunt placement, with programmed pressure setting of 45 mmHg. As per "Medtronics" data base, this was first such indigenous procedure. The patient had presented with headache, vomiting, and cough due to recurrent posterior fossa with brain stem compression. He was operated three years ago for posterior fossa benign cyst.

Apollo Hospitals, Bangalore

- Hip replacement was successfully performed in a 98-year-old lady

- Obturator bypass revascularization of lower limb was successfully performed

- Liver transplant was successfully performed at Apollo Hospitals, Bangalore in an 18-year-old female patient suffering from Wilson’s disease.

- A 15-year old boy with severe blood loss due to a critical stab injury on the left side of the neck was stabilized and successfully treated through an innovative procedure -Coil Embolization.

- An 80-year-old post- CABG patient, with recurrent syncope, heart failure with QRS duration of 180 msec was successfully managed. An HIS-CRTD was implanted, achieving a QRS duration of 90 msec. Patient improved significantly with no subsequent episodes of syncope.

- Robotic bariatric surgery was successfully performed on a 49-year-old female patient with hypertension, dyslipidemia, borderline diabetes and BMI of 43.
Apollo Cancer Institute, Teynampet

- A 25-year old male patient was successfully managed for primary posterior mediastinal liposarcoma, a very rare tumour.

- PIPAC (pressurized intra peritoneal aerosolized chemotherapy), a novel technique of chemotherapy delivering system was successfully adopted for a patient diagnosed with adenocarcinoma.

- Diagnosis of a rare condition, 'Invasive Fungal Infection with Scattered Granulomatous Inflammation Dematous (Pigmented) Fungal Organisms' in a 23 year old male patient. The patient had complaints of headache since 2 months and the MRI brain revealed peripheral enhancing space occupying lesion in left temporal lobe. The patient underwent Left Frontotemporal Craniotomy and Total Excision of the Lesion. Post-operatively he was treated with antifungal medications and did not have any neurological deficit at the time of discharge.

- A 60-year-old patient with carcinoma of gall bladder was successfully treated with Cytoreduction and HIPEC.

- Right Parietal Craniotomy-Interparietal Sulcal approach was successfully performed on a 38-year-old male patient diagnosed with Meiningeoma WHO – II.

Apollo Hospitals, Bhubaneswar

- Alcohol Septal Ablation (ASA) procedure was successfully performed by the cardiac sciences team, on a 35-year-old male patient who presented with breathlessness on exertion, palpitation and chest discomfort for last two months. The procedure was done for the first time in the state of Orissa.

- Intra cranial stenting successfully performed in a 53-year-old male patient. The stent used for this patient was specially designed for brain arteries and was recently launched in India. This was the first such case in eastern part of India where neuro-specific stent (Credo stent with neuro speed balloon) was used.

Apollo Hospitals, Vizag

- Limb salvage surgery with megaprosthesis implant successfully performed in a 13-year-old male diagnosed with Osteosarcoma of lower end of right femur.

- Transcatheter Aortic Valve Implantation (TAVI) was successfully performed in a 68-year-old male patient, with a history of CAD, post CABG, post PTCA, hypertension, hyperlipidemia, APD with shortness of breath (grade II), orthopnea and severe calcific aortic stenosis.

- Three cadaveric liver transplants and one cadaveric kidney transplant were done successfully in a span of six days.

- A newer technology, VITEK 2 for automatic bacterial identification and antibiotic susceptibility testing was introduced.
• An anastomotic site large aneurysm was sealed by 2 cover stents in a transplanted liver. This was the first such case in the State of Odissaa.

Apollo Hospitals, Noida

• An unusual pediatric case of imperforate hymen with hematocolpos was diagnosed and successfully treated in a 11-year-old female patient who presented with complaint of abdominal pain for a few months.

Apollo Hospitals, Seshadripuram

• A 10-year-old male child suffering from seizures accompanied by sudden onset of laughter and loss of loss of consciousness for 20 times a day, was successfully treated. The patient underwent an epilepsy surgery with excision of the abnormal dysplastic area, using the electrocorticographic guidance technique. The seizures stopped immediately after the surgery.

Apollo Hospitals, Mysore

• Life-saving procedure, Extra Corporeal Membrane Oxygenation (ECMO) was performed successfully on a 36-year-old female patient with severe breathing difficulties

• A large stone was successfully removed from the bile duct of a 59-year old male patient suffering from liver cirrhosis using SPY Colangioscopy with Electrohydraulic Lithotripsy

Apollo Hospitals, Bilaspur

• Surgical procedure to correct diaphragmatic hernia in one-day old baby was successfully performed

• An incompatible kidney transplant, was successfully performed. An AB+ mother donated kidney to her son whose blood group was A+.

Apollomedics Hospitals, Lucknow

• Awake aortic valve replacement was successfully performed in a 28-year-old male patient. This was the first such case in the state Uttar Pradesh.
Centers of Excellence (COEs)

Apollo Hospitals has dedicated Centers of Excellence (COEs) for several key specialties and super-specialties. These Centers of Excellence are unique in terms of their service spectrum and are spread across the various Apollo Hospitals locations:

- Cardiac Sciences
- Orthopedics
- Neurosciences
- Oncology
- Transplant
- Emergency

Key differentiating factors for Centers of Excellence

**Expertise**
Expertise of over 8000 clinicians in 55 specialties

**Experience**
Trust of 120 million patients built with 37 years of Experience

**Academics and Research**
A learning institution with focus on Academics and Research

**Safety through System and Protocols**
We understand how to keep you safe as we know that “life is Priceless”

**Clinical Outcomes**
World class outcomes comparable to the best in the West because India deserves the best
Center of Excellence – Cardiac Sciences

The Apollo Hospitals is performing a multitude of treatments and procedures in cardiology and cardiothoracic surgery. The pioneering work for the prevention and treatment of cardiac diseases has led to the achievement of better outcomes and improved quality of life for thousands of cardiac patients who visit us each year with complex heart problems. Apollo Hospitals has third generation Cath Labs, Cardiac Critical Care Units and Intensive Care Units for support.

Cardiac services are offered at 34 units:

Ahmedabad
Bangalore
Bilaspur
Bhubaneshwar
Chennai
Delhi
Hyderabad
Kolkata
Madurai
Navi Mumbai
Vizag
Secunderabad
Karimnagar
OMR - Chennai

Seshadripuram
Vanagaram
ACH Chennai
Trichy
Kakinada
DRDO
AFMH
Guwahati
Nellore
Karur
Mysore
Indore
Nashik
Tondiarpet
Teynampet
Jayanagar
Sowcarpet
Hyderguda
Pune
Noida

Existing Clinical Expertise - Cardiology

Minimally Invasive Coronary Artery Surgery
Mitral Clip
TAVI
Heart failure assist devices
Hybrid Procedures
Heart Transplant/Heart-Lung Transplant (En-bloc)
Off-pump and beating-heart surgeries

Cardiology COE – Service Spectrum

- Minimally Invasive Coronary Artery Surgery
- Adult cardiac surgery
- Pediatric cardiac surgery
- Neonatal cardiac surgery
- Stent less heart valve bioprosthesis
- Cutting edge technology to aid in cardiac care
- Coronary Angiography
- 640 slice CT
- First biplane interventional Cath labsuite- Philips Allura Clarity 20/15
- IVUS
- Cardiac risk score assessment and tracking
- Electrophysiology procedure for heart failure
- Catheter Ablation
- Combined cardiac procedure
- Peripheral Vascular surgery
- Arrhythmia surgery
- Renal Denervation
- Pacemaker system
- Cardiac Device lead extraction

**Academics and Research - Cardiac Sciences**

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**Center of Excellence – Orthopedics**

Orthopedic services at Apollo Hospitals have the latest cutting edge technology in terms of equipments, operating rooms, recovery areas and advanced physical therapy facilities. Apollo Hospitals have dedicated and well equipped Orthopedic surgery complexes with laminar flow and various modern equipment like image intensifier, operating microscope, computer navigation system, top of the line arthroscopy systems.
• Specialised Pediatric Orthopedics units offering the whole range of Pediatric Orthopedics
• Physical Therapy units to provide rehabilitation and pain management
• Shoulder surgeries and the most delicate hand micro surgeries
• Cartilage regeneration surgery, including microfracturing, mosaic-plasty
• Regenerative medicine
• Using a revolutionary combination of CT imaging/mapping, modelling software (virtual)
• 3D printing technology, medical miracles
• Robotic-Guided techniques routinely used
• Minimally Invasive Knee Replacement Surgery (MIKRS)

Center of Excellence – Neurosciences

Apollo Institute of Neurosciences is regarded as one of the best neurology and neurosurgery hospital in India with a legacy of innovation and excellence. Ably assisted by the latest Neuro-Radiology services, Neuro-Intensive Care facilities and Medical and Radiation Oncology services, achieve outcomes in neurological disease and treatments matching those of the leading institutions across the globe. Treatments of seizures or epilepsy as well as modern treatments for movement disorders like Parkinson's disease are further specializations. More than 1000 major
Neurosciences COE – Service Spectrum

- Deep Brain Stimulation (DBS) for Parkinson’s disease and movement disorders
- Thrombolysis- intravenous intra-arterial and mechanical for acute stroke
- Mechanical Thrombectomy for Acute stroke
- Botulinum toxin injection for neurological disorders
- Auditory Brain-stem implant (ABI)
- EC-IC bypass (Extracranial-intracranial bypass) –where the brain’s blood supply is augmented by

Existing Clinical Expertise-Neurosciences

- Micro – Neurosurgery
- Complex Spinal Surgeries/Minimal Access Spine Surgery
- Surgery for Spinal Cord Tumors
- Surgery for Acute Head Injury and Spinal Injuries
- Stroke prevention / Stroke treatment
- Epilepsy Surgery
- Skull Base Surgery
- Surgery for Parkinson’s disease
- Neuro-Endoscopic Surgery for Pituitary Tumors/CSF Leaks
- Endovascular Coiling of Aneurysms/ Vascular Malformations
- Vertebroplasty

Neuro services are offered at 38 units:

- Ahmedabad
- Bangalore
- Bilaspur
- Bhubaneshwar
- Chennai
- Delhi
- Hyderabad
- Kolkata
- Madurai
- Navi Mumbai
- Vizag
- Secunderabad
- Karimnagar
- OMR - Chennai
- Seshadripuram
- Kakinada
- DRDO
- AFMH
- Ranipet
- Ambawadi
- Nellore
- Mysore
- Karur
- Sowcarpet
- Health city, Vizag
- Indore
- Nashik
- Tondiarpet
- Karaikudi
- Teynampet
- Jayanagar
- Hyderguda
- Pune
- Noida
- Vanagaram
- ACH Chennai
- Trichy
- Guwahati

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Ahmedabad
Bangalore
Bilaspur
Bhubaneshwar
Chennai
Delhi
Hyderabad
Kolkata
Madurai
Navi Mumbai
Vizag
Secunderabad
Karimnagar
OMR - Chennai
Seshadripuram
Kakinada
DRDO
AFMH
Ranipet
Ambawadi
Nellore
Mysore
Karur
Sowcarpet
Health city, Vizag
Indore
Nashik
Tondiarpet

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diverting blood for blood vessels of face to brain

- Surgery for Parkinson's disease
- Pediatric Neurosurgery
- Vertebroplasty

**Academics and Research - Neuro Sciences**

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<tr>
<td>Neurology -2</td>
<td>Neuro anaesthesia - 2</td>
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</table>

**Center of Excellence – Oncology**

Apollo Hospitals is one of the best cancer hospitals in India with 10 dedicated hospitals across Hyderabad, Chennai, Bengaluru, Madurai, Kolkata, Delhi, Ahmedabad, Bhubaneswar and Bilaspur. The cancer care system at Apollo Hospitals involves over 125 surgical and radiation oncology specialists as well as diagnostic consultants that offer comprehensive Cancer Care. The mission is to take the fight against cancer to the next frontier, and redefine clinical benchmarks and outcomes. Apollo Hospitals provides comprehensive cancer care with best treatment facilities in India.

**Oncology services are offered at 18 units:**

- Ahmedabad
- Bangalore
- Bilaspur
- Bhubaneswar
- Chennai
- Delhi
- Hyderabad
- Kolkata
- Madurai
- Navi Mumbai
- Vizag
- Guwahati
- Nellore
- Pune
- Noida
- Vanagaram
- ACH Chennai
- Trichy

**Existing Clinical Expertise - Oncology**

- Robotic Surgery
- Limbo salvage surgery
- HIPEC
- TACE
- RFA
- Bio Bank
- Cancer genetics
- Liquid Biopsy
- Vaccine therapy
- Immunotherapy and Targeted therapy
Oncology COE – Service Spectrum

- Comprehensive suite of Chemotherapy services
- Paediatric Oncology services
- Tumour Board
- Bone Marrow Transplantation Services
- Immunotherapy
- Hematological malignancy treatment
- Molecular Profiling
- Genetic Profiling
- Hormonal Therapy
- Breast Conservative surgery
- Radical neck dissection
- Radical Nephrectomy and Radical Cystectomy
- Limb surgeries for peripheral solid tumours
- Surgical Gastroenterology services
- Mandiblectomy and advance Plastic surgery services
- Minimally invasive oesophagectomy
- Robotic intervention specially for Urology and Colorectal cancers
- Lobectomy/ Pneumonectomy
- Mediastinal mass excisions and Chest wall tumour excision with reconstruction
- Liver resections – staged Hepatectomy and ALLPS
- Retroperitoneal Lymph nodedissection
- Total/ Partial Penectomy with Groinnode sampling/ dissection
- Stereotactic Surgery suite using Cyber Knife
- Image Guided Radiation Therapy (IGRT)
- Intensity Modulated Radiation Therapy (IMRT)
- Stereotactic Radio Surgery (SRS) with Brainlab,
  Stereotactic Radio Therapy (SRT) and Stereotactic
- Body Radiation Therapy (SBRT)
- Rapidarc Radiosurgery
- Volumetric Radiotherapy (VMAT)
- Brachytherapy – Intra Cavity
- Brachytherapy (ICBT), Interstitial
- Brachytherapy (ISBT), Intraluminal High Dose Rate Brachytherapy (ILBT)
- Palliative Radiotherapy
- Total Body Irradiation
- Extra Corporeal Radiotherapy
- Respiratory Gated Radiotherapy
- SPECT Fibroscan
- 99 Tc Bone Scan
- CELLVIZIO – Endomicroscopy system which generates Optical biopsy
- Digital Mammography
• 128 slice PET scan
• Precision Oncology focusing on precise treatment and outcomes
• Only Proton Therapy system in this part of world.

Academics and Research – Oncology

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<td>Medical Oncology - 3</td>
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Center of Excellence – Transplant

Apollo Hospitals has been a leader in the field of organ transplants and has been considered as one of the best organ transplant hospitals in India. The first successful pediatric and adult liver transplants in India were performed at Apollo Hospitals in November 1998. With over 90% success rates for multiple transplants in India our organ transplant center is a beacon of quality and hope for patients from across the world.

Emergency services are offered at 21 units:

- Ahmedabad
- Bangalore
- Bilaspur
- Bhubaneshwar
- Chennai
- Delhi
- Hyderabad
- Kolkata
- Madurai
- Navi Mumbai
- Trichy
- Guwahati
- Nellore
- Mysore
- Indore
- Nashik
- ASH Chennai
- Pune
- Noida
- Vizag
- Vanagaram
Center of Excellence – Emergency

As pioneers of Emergency care services in India, the Emergency Care centre at Apollo Hospitals guarantees the highest levels of skill, expertise and infrastructure. The protocols at the 24-hour emergency service and trauma care departments are designed to respond quicker and have proven outcomes that are on par with the very best in the world. The multi-specialty prowess is leveraged actively to deliver the crucial edge in emergency care.

Transplant COE – Services Spectrum

- Kidney transplant
- Liver transplant
- Heart transplant
- Lung transplant
- Combined Heart and Lung
- Pancreas transplant
- Intestinal transplant
- Multi-organ transplant
- Cornea transplant
- ABO incompatible transplants
- Organ Oxmetra, can keep a liver ‘alive’ for up to 24 hours after donation

Academics and Research – Transplants

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<thead>
<tr>
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<td>Urology - 2 (FNB)</td>
<td>Nephrology - 3 (DNB)</td>
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</table>
Emergency COE – Service Spectrum

- Air Ambulance
- Golden Hour concept for early management of stroke - Code FAST Protocol
- Acute MI management – primary angioplasty
- Trauma management
- Sepsis management
- E-ICU services

### Existing Clinical Expertise - Emergency

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<td>Acute MI – primary angioplasty</td>
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<td>E-ICU</td>
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<tr>
<td>ReSQCPR System</td>
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</table>

### Pre-hospital Care services: 1066

- 24 x 7 ACLS Ambulance services – Road, Bike and Air Ambulance with Emergency Physicians
- Management of all Medical and Toxicological Emergencies
- Medico Legal Specialists (RTA, Burns, Fall from height, Workplace injuries, Assault, Poisonings, Animal bites, Child and sexual Abuse)
- Poly Trauma Management Specialists
- Acute Stroke and Cardiac Thrombolysis Centre and Radiological Intervention
- Infectious Disease specialist centre
- Bedside Ultrasound and Echo procedures – For FAST scan, Central Lines, HHD catheters, Lung Ultrasound and 2D Echo
- 24 x7 Burns centre
## Academics and Research - Emergency Medicine

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| DNB seats | Emergency Medicine - 3 |
Apollo HomeCare

Apollo Hospitals transformative journey has redefined the healthcare landscape in India over the last few decades with its mission of delivering quality healthcare to millions of Indians. In keeping with this mission, Apollo HomeCare, with its unique treatment options, delivers clinical excellence with compassion and care to the comfort of patients' home.

Apollo HomeCare operates in the metropolitan cities of Hyderabad, Chennai, Delhi, Bangalore, Kolkata, as well as tier-2 cities of Bhubaneswar, Pune, Mysore and Madurai. The team consists of over 1200 highly skilled and trained staff. Apollo HomeCare has touched over 175,000 lives in the community so far. The team has handled over 4,50,000 patient care episodes and is acknowledged as a leader for clinical excellence driven home healthcare services.

Long Term Care Plans

The long term care plans provided by Apollo HomeCare include:

- Ortho rehab
- Heart rehab
- Neuro rehab
- Lung rehab
- Mother and baby care
- Elderly care
- Advanced physiotherapy

The focus on advanced physiotherapy services yielded 12 visits per patient on an average for neuro rehab, ortho rehab and cardiac rehab programs with 95% improvement in activities of daily living (ADLs)

To address the challenge of procuring healthcare devices at home, the home medical devices rental services vertical was strengthened. This has received a lot of acceptance in the community for respiratory and mobility equipment – particularly in elderly, COPD and post surgery patients.

In 2019 the team introduced professional home visit services for:

- IV infusion therapy
- Wound management plan
- Colostomy care

Complex Procedures

In 2019, the team has performed over 75,000 visits for various different kinds of healthcare needs to be addressed at home. Some of the complex procedures rendered at home by Apollo HomeCare include:

- Albumin infusions
- Ascitic fluid tapping
- Tracheostomy tube change
- Incision and drainage
- Suturing
- Staple removal
- Cast removal
- Wound debridement
- TPN infusion
- Peritoneal dialysis
- ABG sampling
- PICC line insertions

**New Initiatives**

**Blood transfusion@home**

Apollo HomeCare pioneers in performing blood transfusions at Home. Close to 210 episodes of blood transfusions were performed in home settings in 2019.

**Chemo@home**

With the support of oncologists, Apollo HomeCare initiated Chemo@home, for patients who are unable to visit the hospital. This service is one of its kind in India.

**Virtual Consultations**

With the support of ATHS and ASK Apollo, Apollo HomeCare has created a strong base for tele and virtual consultations, for both long term and transactional services. Over 1,340 episodes of virtual consultations were performed and the trend is rising.

**International Medical Travel Assistance**

Apart from the above listed exclusive services, international medical travel assistance was provided to 36 patients who travelled from India to other countries and back. During this endeavour of supporting patients for international travel, the Ethiopian Government gave a special recognition to a supervisor from Apollo HomeCare for rescuing a patient while aboard a flight.
Apollo ProHealth - a first-of-its-kind predictive, proactive and comprehensive Health Management Program

National launch of Preview- AI CVD Risk Score, collaboration between Apollo Hospitals and Microsoft India

Apollo Hospitals Group and Zebra Medical Vision (Zebra-Med) collaborate to validate and deploy AI (Artificial Intelligence) based screening tools across India

Maastricht University partnered with Apollo - Microsoft Cardiac Global Data Consortium to expand the AI Network for Cardiology in Europe

Apollo - CHIME Masterclass on "Leadership and Digital Transformation"

Apollo Telehealth Services (ATHS)

Tele-Clinics

Uttar Pradesh PPP Project (Tele-Radiology Services)

Jharkhand Digital Dispensary PPP project

Tele-Ophthalmology (MeEK)

Electronic Urban Primary Health Centre (e-UPHC)

Himachal Pradesh Project

National Thermal Power Corporation (NTPC)

Ask Apollo - Our Virtual Hospital

Uttar Pradesh - Telemedicine

University of Pittsburgh (Tuver Project)

Launch of India's Comprehensive "Cardiac Command Center"

A Solution Launch - Drones enabling Healthcare Delivery
Information Technology and Telemedicine

Information Technology

New and emerging technologies have transformed healthcare in recent years. Hospitals and have implemented new technologies to improve the overall quality of care for patients. IT services for healthcare have never been more vital. As medical facilities continue to modernize, the need for robust and responsive healthcare IT support is only increasing.

Apollo Hospitals Group launched Apollo ProHealth – a first-of-its-kind predictive, proactive and comprehensive Health Management Program

Apollo Hospitals Group launched Apollo ProHealth Program, the most powerful, proactive Health Management Program. Apollo ProHealth is a first-of-its-kind, comprehensive health program, powered by pHRA (personalised Health Risk Assessment), enabled by Artificial Intelligence.

This program is specially curated and conceptualised by Apollo Hospitals' experts and innovators in preventive healthcare, based on the experience and learning of over 20 million health checks conducted by Apollo Hospitals. ProHealth empowers individuals and businesses with actionable health analytics, to know and eradicate health risks, and, lead healthier and happier lives. The program brings technology and human elements together by providing a personal Health Mentor to guide each individual to stay focused on health track and gain better health and lasting happiness.

National launch of Preview- AI CVD Risk Score, collaboration between Apollo Hospitals and Microsoft India

The AI Cardiovascular Disease (CVD) Risk Score developed in joint collaboration by Apollo Hospitals and Microsoft India was launched at a national level on 13th September, 2019 at Hyderabad during the International Health Dialogue, organized by the Apollo Hospitals Group.

The AI-powered Cardiovascular Disease Risk Score API is an intelligent platform that can predict cardiovascular disease risk score in the Indian population. With over 2,00,000 people screened using the AI-driven API on Microsoft Azure across Apollo Hospitals over the last one year, the platform has been successful in allowing physicians to predict the risk score of patients, 5 to 7 years in advance. With the national launch of the platform, doctors across the Apollo Hospitals network as well as doctors in other leading Indian hospitals would be able to access and leverage this AI-powered API to predict risk of CVD and drive preventive cardiac care in patients across
Organization (WHO) estimates that 3.6 million people with TB are missed by health systems every year and do not receive adequate care. This is primarily because patients with TB may present with mild or no symptoms, particularly early on. Many affected people arrive at clinics too late with advanced disease or multi-drug resistant TB (MDR-TB), which is difficult to treat and more likely to cause death. One of the key strategies to tackling TB is early diagnosis. Unfortunately, sputum testing is only 50% accurate and frequently misses the disease in its early stages.

Both companies will focus on development of AI-based Chest X-ray interpretation tool for TB which can help address the gap. It will provide high quality, timely and cost-effective radiology access to remote locations and poor communities by immediately alerting the presence of critical findings. The AI1 (All-in One) solution is one of the largest installation of AI in India and has the potential to help over 40 million people.

**Apollo Hospitals Group and Zebra Medical Vision (Zebra-Med) collaborate to validate and deploy AI (Artificial Intelligence) based screening tools across India**

Global Innovation and Technology Alliance (GITA) on behalf of Department of Science and Technology, Government of India and Israel Innovation Authority (IIA), on behalf of Government of Israel, granted HealthNet Global, a part of the Apollo Hospitals Group, India and Zebra Medical Vision, Israel funding to validate, co-develop and deploy medical imaging Artificial Intelligence (AI) across India and to increase Tuberculosis (TB) screening capabilities in the rural areas.

The companies shall jointly receive support from India-Israel Industrial R&D and Technological Innovation Fund (I4F) for their project to co-develop and to provide clinical validation, and evidence of the efficacy of radiology AI based tools in India as per I4F norms.

The final developed project will be able to assist as a primary screening method for major diseases in large scale screenings. For example, World Health

**Maastricht University partnered with Apollo – Microsoft Cardiac Global Data Consortium to expand the AI Network for Cardiology in Europe**

The Maastricht University has signed an agreement with the Apollo-Microsoft Cardiology Consortium to help expand the AI Network for Cardiology and research on cardiovascular diseases in the Netherlands. The partnership was announced at the inaugural session of the DST-CII India Netherlands Technology Summit at New Delhi, in the presence of His Majesty Willem-Alexander, the King of the Netherlands and Mr. Harsh Vardhan, Honorable Minister for Science and Technology, Health & Family
700 Teleclinics, it is the largest telemedicine network providing specialized solutions like Tele-consults, Tele-radiology, Tele-cardiology, Tele-Condition Management, e-ICU and others.

ATHS is empowering remotely located populations across the globe to access Apollo Hospitals’ world-renowned medical expertise through its state-of-the-art technology. With the advancement of technology and enhanced use of connected medical devices the benchmark is being raised year on year.

**On-Going Projects**

**Tele-Clinics**

- More than 110 operational centers across 17 countries
- More than 1 million teleconsultations performed till date
- Providing business opportunities to over 90 franchises
- Providing direct employment to approximately 350 people
- Tele-clinics enabled with integrated POCT devices (ECG, basic labparameters, vitals etc.)

**UTTAR PRADESH PPP PROJECT (Tele-Radiology Services) - 134 Centres**

Apollo TeleHealth along with Government of Uttar Pradesh, India has implemented tele-radiology services across 134 CHCs (Community Health Centres) providing read services for X-Ray, CT and MRI. The project is targeted to deliver 2400 tele-read services on daily basis and cater to a population of 12 million people.

**Impact**

- More than 20,000 radiology reports were delivered, after successful activation of services.
- With these services Apollo Remote Healthcare will be catering to a population of 12 million.
More than 150,000 unique patients treated

More than 45,000 lab investigations performed

The project is intended to cater to approximately 2 million people and delivering 3 million consultations. This would account for a total of 320 new patients every month per Digital Dispensary.

Tele-Ophthalmology (MeEK) - 115 Centres

The project continues to focus on providing ophthalmology screening and diagnosis through 115 community health centers (CHCs).

Jharkhand Digital Dispensary PPP project – 100 Centers

Apollo Hospitals has set up digital dispensaries across 100 selected Primary Health Centers of Jharkhand with state-of-the-art equipment for vital signs monitoring, screening program and ICT devices. General Practitioner and Specialist consultation are being rendered across selected specialties like gynecology, pediatrics, dermatology and general medicine at all these centers.

Impact

• More than 200,000 consultations performed in a short span of 5 months
Impact

- Operational centers are present at 115 locations across 13 districts of Andhra Pradesh
- Close to 1.4 million lives touched till date
- More than 1 million spectacles have been distributed. More than 80,000 people suspected with diseases which needed higher facility treatment, were referred for further interventions.
- Close to 1.3 million refraction checks done.
- More than 360,000 fundus examinations completed.
- Providing direct employment to 150 – 200 people.
- With this service Apollo Remote Healthcare is catering to a population of approximately 10 million

Electronic Urban Primary Health Centre (e-UPHC) – 183 Centres

164 Apollo TeleHealth e-UPHC centres received ISO 9001: 2015 certification from TUV SUD South Asia, making the project first of its kind to receive an accreditation across Public Private Partnership in the healthcare sector. This had become a testimony to Apollo Hospitals ability of adhering to highest quality standards in a cost efficient manner even in remotest places.

Impact

- More than 183 centers across 9 districts of Andhra Pradesh catering to a population of 91,00,000
- Operational for more than 2.5 years.
- More than 2.2 million unique patients treated.
- More than 9 million consultations done.
- Close to 900 thousand tele-specialist consultations.
- Close to 6.3 million laboratory tests. Providing direct employment to approximately 1200 people.
- More than 800,000 immunizations performed
- An initiative that has decongested the higher facilities
examples are: fracture neck of femur of a 64 years old female patient; myocardial infarction and coronary artery disease (CAD) for two other patients.

**Impact:**

- Serving the under served for 5 years
- Stabilized more than 1100 emergency patients
- Provided more than 16,000 tele-consults. Close to 12,000 laboratory investigations
- More than 100 cervical cancer screenings performed
- Providing employment to 50 local people
- After successful operations in Kaza and Keylong, ATHS has scaled up to Pangli
- Apollo Remote Healthcare is catering to a population of 56,000

**Tele-Emergency**

**Himachal Pradesh Project – 3 Centres**

Since last 5 years ATHS has been continuing to provide tele emergency services in Himalayas thereby providing the care continuum in difficult terrains and extreme climatic conditions. In 2019, ATHS not only catered to the basic needs of inhabitants but also saved lives of few critical patients. Stabilization of patients in critical conditions was performed. Few
National Thermal Power Corporation (NTPC)

ATHS though telemedicine is providing primary, specialty and super specialty services and emergency consultations for the NTPC family. Physiotherapy sessions are also being provided through telemedicine.

**Impact**

- Close to 700 tele-emergency cases handled
- More than 1500 specialty and super specialty consultations done in less than 1.8 years
- More than 1500 OPD consultations done.
- More than 2700 physiotherapy sessions held
- Apollo Remote Healthcare is catering to 2500 NTPC employees and their families.

**New Projects**

**UTTAR PRADESH - TELEMEDICINE - 120 Centres**

ATHS has set up telemedicine centres across 120 identified community health centres in eastern part of Uttar Pradesh to bridge the gap of availability of specialists in the state. Services which are available throughout these centres include tele-consultations across 13 selected specialties like general medicine, paediatric, gynaecology, skin and VD, neurologists, nephrologists, urologists, rehabilitation and physical medicine, oncology and gastroenterology. Specialist video consultation with various investigations like ECG, blood pressure, blood sugar, temperature and...
fetal heart rate monitoring would be provided.

Close to 70,000 consultations have been done.

The project is targeted to deliver 2000 consultations on daily basis and cater to a population of 10 million.

UNIVERSITY OF PITTSBURGH (TUVER PROJECT):

University of Pittsburgh has recognized Apollo TeleHealth for implementation of tele-clinic at Tuver village in association with De HEaRT, IIT Madras, Ahmedabad University and Apollo Telemedicine Networking Foundation. Tuver, one of the underprivileged villages in Gujarat, faces critical healthcare issues related to respiratory system and has a very high mortality rate due to scarcity of basic resources.

This association works on micro-grid project implementation in various fields to provide the basic amenities including power to households, potable water, sanitation, hygiene and health education. A truly unique addition is the provision of affordable, accessible technology enabled 24/7 health care to anyone, anytime anywhere at this remote site. The various facilities will include primary, secondary and tertiary healthcare services, on-site pharmacy, laboratory services and health literacy programs for such under-served people who lack even the basic amenities.

The Apollo Tele Clinic in Tuver will also have an Apollo Tele Health and Wellness Centre (ATHWC) to promote health literacy and transfer knowledge on subjects related to wellness.
Innovations

Launch of India’s Comprehensive “Cardiac Command Center”

Cardiac Command Center was launched with the aim of remote monitoring and reporting of Tele ECG, Tele ECHO, Remote Cathlab, CICU, ER response dashboard, management dashboard and consultant module. The projected command center is a one point remote cardiac care delivery center which would be enabled across all Apollo Hospitals (with active cardiovascular department) for all digital/connected medical devices integration pertaining to cardiovascular care. Apart from the command center, a dedicated communication line was launched for physicians/nursing homes/clinics to reach out for joining the remote cardiac care delivery network powered by Apollo Hospitals; in the form of dedicated phone line and registration website.

A Solution Launch – Drones enabling Healthcare Delivery

Apollo Remote Healthcare has tied up with US-based Zipline to launch Drone Healthcare Delivery Solutions. The unit will explore and leverage drone technology to deliver emergency aids and organs.
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<td>Billion Hearts Beating</td>
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<td>Indraprastha Apollo Hospitals, Delhi, CSR</td>
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<td>Apollo Hospitals, Chennai, CSR</td>
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Apollo Foundation

Apollo Hospitals is committed to pursuit of societal good through inclusive healthcare and bringing quality healthcare within the reach of all people regardless of their geographic location or economic status. Apollo Hospitals Group aspires to be a socially responsible corporate entity delivering superior and sustainable value to all. In order to achieve this goal universally, the Apollo Foundation was established.

Apollo Foundation has pioneered various social initiatives to help in the emancipation of the communities at the grass roots. The various initiatives of Apollo Foundation have been focused on bringing good healthcare within the reach of these communities. It aims at upgrading the standards of care, creating impactful programmes through rural healthcare, promoting health awareness, organising medical camps for the underprivileged. Rural development and skills development have been initiated in several regions. Through these initiatives Apollo Foundation has been able to serve over 1,58,000 people in the community in the year 2019.

Through the following CSR initiatives run by different Apollo Hospitals across India, Apollo Foundation aspires to make timely and quality healthcare available to all:

- Total Health Program
- Billion Hearts Beating Foundation
- Indraprastha Apollo Hospitals, Delhi, CSR
- Apollo Hospitals, Hyderabad, CSR
- Apollo Hospitals, Chennai, CSR

Apollo Total Health Program: A Unique Health System Reform

‘TOTAL HEALTH’ –The Concept

The mission of Total Health (TH) is to ensure physical, mental, social and spiritual wellbeing of all individuals in the community along with their ecological and economic upliftment.

Rural and semi-urban societies cannot afford to overlook the role of healthcare in their quest for growth and development. Healthcare is an essential component of any economy. Reliable healthcare systems make for a healthier workforce for an array of industrial and agricultural requirements, and enhance a community’s level of participation and quality of life.

In the year 2013, Dr PC Reddy, the visionary and Founder Chairman of Apollo Hospitals Group, launched “Total Health Foundation” with an objective of providing “holistic health care” (womb to the tomb) to the community in Thavanampalle Mandal of Chittoor district under Apollo Hospitals’ CSR division.

The health interventions envisage identifying diseases at an early stage through screening, and facilitating, and providing timely treatment to maximize the social and economic benefits for all categories of stakeholders.
Health Interventions

The key focus was on relevance, coverage, effectiveness, efficiency, sustainability, and a chance for replication analyzed through the CSR lens. Interventions carried out in the health domain of Apollo Total Health program are focussed herein.

Total Health has implemented Mobile Clinics; Satellite Clinics; Nutrition centres; Geriatric care; General Health Screening, AYUSH, School Health, NCD camps, and Cancer Screening. Each one of these interventions has been discussed:

**Mobile Clinics**

Mobile Clinics are an innovative model of health care delivery that is helping to alleviate health disparities in vulnerable populations and individuals with chronic diseases.

Mobile clinics are providing diagnostic and treatment services to the people and more specifically for those having hypertension and diabetes.

They provide primary medical care, basic investigations, pharmacy, health education, referral services and any other essential services. These clinics are equipped with medical laboratory and pharmacy, facilitating appropriate medication to the patients.

The two Mobile Clinics are currently providing health services in 92 villages across 32 Gram Panchayats with a population of 35000 in the Mandal.

The Mobile Clinics have extended health care services to 14077 members in 98 villages along with basic investigations on a rotation basis.

**Satellite Clinics**

Total Health runs Satellite Clinics to provide the essential primary medical health care services for a population of 9000 ie. that is 7 to 10 Gram Panchayats with a radius of 10 to 15 kilometers to serve the needs of individuals with NCDs and other medical ailments.

The two Satellite clinics have necessary outpatient health care facilities.

Satellite Clinics - have extended health care services to 9261 members in 63 villages along with basic investigations, in a stand-alone model.

**AYUSH**

Total Health has adopted AYUSH as one of the pathways to provide better health care to the individuals. An AYUSH wing was created at Apollo Hospitals, Aragonda as a pilot project. The primary aim of designing AYUSH was to provide low-cost services in far-flung areas; best and affordable care to elderly; addressing the tobacco and drug abuse, common in the area. Being more acceptable in the local populace and having lower side effects, AYUSH is particularly effective in lifestyle diseases like diabetes and hypertension.

AYUSH (Ayurveda, Yoga, Unani, Siddha, and Homeopathy) program is designed with linkages to the outreach services of Mobile Clinics, Satellite Clinics, and Mandal level health care program. It is a referral mechanism that delivers health services to the people identified with diabetes, hypertension, osteoarthritis, smoking, alcohol consumption, obesity and dermatology related health problems.

Through the AYUSH center, 4510 patients were benefited and majority of them were suffering from osteoarthritis.
**Success Story - Restoring confidence and normalcy**

Mrs. KY (female, 40 years) of Aragonda village developed varicose veins during her pregnancy. She had to live with the shooting pain for the past few years. Hailing from a moderate agrarian family with own farm lands, she could afford medical treatment at any given place and hospital. She approached a Bengaluru based doctor who recommended laser surgery that would cost her around 1.5 lakh rupees. She and her family members receded from going ahead with the recommended course of medical intervention for a fairly good reason. There was no assurance from the doctor on total cure from the problem in the post-operative period. According to him the disease may reoccur any time and every time the course of treatment would be the same operation.

Because of the discouraging prospected the family of opted out from surgery. At this juncture the Ayush doctor suggested them to try their treatment offered there and experience the impact of the Ayurvedic. She joined the prescribed treatment course in the Ayush centre in February 2019. She completed three sittings, two for varicose veins and one for weight loss (each sitting consisted of a 7-day session at the centre) before she started feeling better. She became free from the shooting pain. She continued with the treatment as long as it was recommended by the doctors of the centre and her pain relief was complete.

**Nutrition Centres**

Because of the need of providing of supplementary nutrition to pregnant and lactating women, TH has brought the thematic concept of Nutrition Centres in selected villages. The aim is to improve the immediate nutritional wellbeing of pregnant and lactating women and their infants by tackling the underlying causes of malnutrition.

The aim is to ensure the improvement of maternal health, increase birth weight of the child, promote exclusive breastfeeding practices for the infant and ensure 100% institutional deliveries to reduce MMR and IMR.

Six Nutrition Centres have been established where pregnant and lactating mothers, and their children, needing additional nutritional support are being cared for.

In the year 2019, 70 women both pregnant and lactating mothers were benefited. From the inception till date, 479 women were benefited. There were no maternal and infant deaths reported during 2019.
Health Screening Camps

Non-communicable diseases (NCDs), especially cancers, are a cause of concern across the globe. Cervical, breast, and cancer of the oral cavity are the three most commonly encountered cancers. Screening programs are essential to cure these diseases at an early stage.

Hypertension and Diabetes mellitus are the two other NCDs, which have impacted on the quality of life of the population and their lifespan. Appropriate screening tests can detect these and simple algorithms for their complete diagnosis and management can be followed at the primary and secondary healthcare facilities.

Another critical and neglected problem among women is anaemia. It impacts their ability to work and also increases the risk to their life during childbirth. It is easily diagnosed in the field setting and is also treatable in most primary healthcare facilities.

As a corporate responsibility, Total Health has designed ‘free general health screening’ in the Mandal on a periodical basis. Under this model, screening tests are conducted to detect diseases at an early stage, before any symptoms become noticeable. The intention is to treat the disease early to ensure complete cure and eliminate complications. Those who are identified are supported with suitable medication/procedures on reasonable charges or free of cost when the patient’s financial situation warrants. Along with general health screening camps, Total Health has introduced eye-screening camps.

House Hold Survey- From the year 2013 to 2019, 31151 members of the community have been covered for general health screening during this door-to-door survey

NCD Management (DM and HTN) - Regular follow-ups of 1895 diabetic and hypertensive patients with investigations, medication and counseling have been performed

RNTCP- Screening of 206 patients with chest symptoms was performed in the designated microscopy centre, out of which 15 persons were detected with Tuberculosis and were successfully managed.

General Health Camp- Over 1450 members from the community attended the General Health Camp.
Cancer Screening Camps

Breast, cervical, oral and lung cancer cases are increasing day by day. Such cancer cases not only increase the disease burden and mortality among the society but are also leading to financial crises amongst the families.

Total Health is regularly conducting cancer screening camps to identify and provide health services to the patients with several types of cancer, at an early and treatable stage.

Camps have been organized in 157 villages across 30 gram panchayats. Total Health has screened 2224 women in 2019 for oral, breast and cervical cancers. Two breast and four cervical cancers cases were detected and surgically managed.

Success Story- Treatment with care and concern

Mrs. KB (45 years old female from Diguva Thotaraganapalle), a deserted wife and mother of two kids unsuspectingly attended the health screening camp in the village conducted by TH medical mobile team. The medical tests unfolded an emerging health problem for her - infection in the cervix that called for surgical intervention (confirmed case of cervical carcinoma-low grade squamous cell intraepithelial lesion). Upon receiving timely advice from the doctors, she successfully underwent surgery (hysterectomy). She is at present recovering from the surgery and is on medication for a couple of weeks more. She being a semi-literate had this much to say: 'I am satisfied with the treatment. More than that, I am treated well in the hospital by the staff.'
**School Health Program/Camps**

Total Health has taken responsibility to promote the health of school children. School health camps are being conducted in all the Zila Parishad Schools, other Government Schools and Anganwadi centres across Thavanampalle Mandal.

The School Health Program is designed to cover screening, health care, and referrals emphasizing on the cardiovascular system, ENT, oral and dental hygiene with medication and follow-ups. Students identified with ailments are provided initial medication and if required, referred to Apollo Hospitals, Aragonda for further treatment.

School Health Screening conducted by Total Health covered 5196 children. Three children underwent surgical treatment for cardiac diseases in 2019.

**Day Care Centre and Geriatric Nutrition Centre**

Total Health has focussed on geriatric care, including medical and social support to ensure mental, physical, social and psychological well-being of elders.

The geriatric care model has been designed to provide geriatric care to those who are above 60 years of age and have little support from their family. The day care centre provides snacks; including one cup of tea or coffee, 200 grams ragi malt, 150 grams mixed nuts and 4 marigold biscuits, besides a nutritious mid-day meal. Newspapers in vernacular language and simple indoor traditional games for them are also provided at the centre.

The Elderly Daycare Centre at Aragonda with facilities of indoor games, TV and newspaper reading room, has 20 beneficiaries.

Three Geriatric Nutrition Centres with 149 beneficiaries obtain mid-day meal along with health care services.

**Livelihoods**

The model focuses on training of women for manufacturing jute products and apparels. Refrigeration and air-conditioning courses (R & AC) are run for the young males. This centre has state-of-art facilities with sufficient infrastructure, machines and materials and more importantly safe working environment for women attending the courses. To train the youth in Total Health has collaborated with Blue Star Limited.
Jute Products and Apparels

This initiative was aimed to provide need-based skills to the unemployed, uneducated/ educated rural women and to enable them for self-employment. It also includes mobilizing support services in terms of credit linkages, marketing, and providing placement services.

Tailoring skills program includes courses designed to train the women on making jute products and apparel. The centre has four master trainers. It has all the required infrastructure facilities with the latest machinery and material related to jute products and apparel.

More than 500 women benefited from tailoring and jute course trainings. This facilitated in promotion of social entrepreneurship, establishment of hospital textile garment for creating employment and jute promotion. Currently, 67 women are provided with livelihood support.

Refrigeration and Air-Conditioning Course

The use of refrigerators and air-conditioners are gradually permeating into the life styles of the rural and semi urban communities. The R&AC training centre is a part of the on-going skill development programs in the Skill Training Centre. The centre trains the interested youth and help them in obtaining suitable job opportunities.

Three months training curriculum, in collaboration with Blue Star is ongoing. Blue Star has provided required technical support including the training models and material for the course. The centre boasts of a state-of-the-art training model with different models of air conditioners, circuits, an experience room and other requirements are provided. The trainer is chosen by Blue Star and supported by Total Health. The eligibility to join the course is 10th grade with reading and writing skills.

Five batches have been completed with and 62 youth have been trained.
Though lifestyle modification is being advocated at the mobile, satellite and AYUSH clinics, during camps and the survey program, the two activities exclusively dedicated are -

1. Yoga under a Training of Trainers (ToT) Model
2. Sports and Cultural interventions for the youth

**Yoga**

The basic design of Yoga is focused on controlling diabetes, hypertension, improving flexibility, controlling stress amongst all ages of the population and helping people in maintaining physical and mental health standards. The Total Health program has partnered with S-Vyasa University. In 2019, the yoga community programme was expanded to all 32 Gram panchayats and six nutrition centres covering around 2500 members every month.

Three batches of 'Yoga Instructor Course' with 36 trainees has been completed.

A summer crash course on 'Personality Development' was for conducted for 90 school children in the Mandal.

**Agriculture – Poly House Farming**

Polyhouse farming is slowly gaining popularity in India as it has a great scope of fetching larger profits for the farming community without undue effect of the vagaries of nature.

The poly house-farming model was initiated with the approval of Department of Horticulture, Government of Andhra Pradesh.

Total Health showcases the procedure to be followed in the polyhouse. Initial crop was english cucumber. Over 5459 kg were harvested in nine harvests. After cucumber, production was shifted to bell peppers. Over 2322 kg of bell peppers was harvested.

**Lifestyle Modifications**

Life style modification is the core activity of the Total Health project, around which the other interventions are planned.
Success story- From sufferer to change agent

Mrs. V, a middle-aged woman Yoga instructor in the project has her own story to tell of suffering, conviction and propagation. While trying to meet both ends meet at the domestic front, she developed back pain in course of time. The intense pain made her sitting physical postures difficult. Being a woman from a traditional Indian family, she could not afford to lie down all the time since she was expected to perform household duties without fail. While in the quest of finding possible remedies to the suffering, she was drawn towards Apollo Total Health project and joined the Yoga classes in 2015. Within a short span of three months, she was relieved of her pain. This was the beginning of a new chapter in her life. Not with standing the domestic pressures, she joined the certificate course in Yoga offered by the institution. After its successful completion, she was employed as Yoga instructor. Since June 2015, she has been on the job. Today she propagates the importance of Yoga as a remedy for many physical ailments and conducts classes for women, pregnant and lactating mothers and school children. With satisfaction writ large on her face, she informs that Yoga is a medical remedy for many ailments and social remedy for the general wellbeing of all ordinary humans.

Sports

Sports are an integral part of education and a means to achieve physical and mental health for the youth. Also it helps to bring about life style changes in adults especially those with NCDs and those at risk. With the concept of “bringing people together for creating a better tomorrow through sports”, Total Health has invested on organizing rural sports meets in the Mandal.

It has organized “Padma Vibhushan Dr P C Reddy Open Cricket Tournament”; and “Open Volley Ball Tournament”.

Infrastructure Development

Total Health has contributed in the following infrastructure development:

Clean Drinking Water

Complementing the State Government, Total Health initiated provision of safe and potable drinking water in adequate quantity with easy access in areas where the facilities were either lacking or inadequate.

In association with gram panchayats (GPs) and the community, Total Health invested in nine water plants. Two models–Reverse Osmosis (RO) and Rapid Sand Filtration Water Plants (RSF) have been installed by Total Health.

A card system has been introduced and issued to those who wish to obtain water from the plant. In the community operated model, the coin-operated machine which has been introduced.
Solar Street Lights
Total Health entered into a partnership model with Phillips India for installation of solar street lights at Aragonda village and 35 solar lights were installed. This cost has been borne by Total Health and Phillips. The system eliminates wiring, trenching, and other installation associated requirements of conventional electricity lamps, besides, the saving on power expenditure. Total Health has also extended this model at its campus, Apollo Nursing College, Apollo ISHA School and Aragonda Hospital.

Along with facilitating the community with the solar lights, Total Health also sensitized the local government and the community on the benefits of using solar systems by involving the Sarpanch and Community members in the survey process, spot selection for installation, type of solar lights and the pole height. The first two years’ maintenance was supported by Phillips and was later handed over to the village panchayat.

Participation in ‘Swach Bharat Abhiyan’
Supporting the government initiative of “Swach Bharat”, Total Health invested in supporting the village panchayats in this effort.

Total Health supported the construction of Individual Household Latrines by allocating certain amount of funds to each family. This initiative was undertaken in five GPs of the Mandal. In 2019, Total Health had supported 818 households. Total Health also provided dustbins to 2600 households in Aragonda and sensitized them on their use.

Infrastructure support in Schools
Total Health has been supporting the schools in their maintenance activities such as whitewashing and repair of buildings and toilets, provision of school furniture, drinking water, wall paintings, and electrification. TH initially chose the two Zila Parishad High Schools (ZPHS) in Aragonda for the support activities.

In the Zila Parishad Girls High School, wall paintings, hand washing platforms and construction of nine toilets was supported. In the Zila Parishad Boys High School, apart from white-wash of the building, wall paintings were provided. Construction of three toilets and eight urinals was also undertaken.

Plantations
Total Health initiated plantation interventions and till date a total of 11,540 saplings have been planted at various locations, including schools and public places. Saplings are also distributed on request to the local police station, primary health center, Zila Parishad Schools and even individuals who have taken up the responsibility for planting and maintaining them. The project also installs tree-guards that innovatively designed and made of bamboo to avoid pilferage while protecting the saplings.

Tree Plantation - As part of the Vanam-Manam Total Health has planted 12529 saplings, in convergence with forest department and the local police.
In 2019, 17 students of Apollo Isha Vidyaniketan took their Class 10 exam for the first time. Of these children, 14 of them obtained a CGPA (Cumulative Grade Point Average) of 10 whereas three of them obtained a CGPA of 9.3. Chairman felicitated these children and gave away cash prizes for further studies.

**Billion Hearts Beating**

The Billion Hearts Beating Foundation (BHB) is a not-for-profit organization that works with the objective of providing healthcare and health awareness to the underprivileged communities. Currently, programmes are being run for the underprivileged elderly and children. The coverage is done through old age homes, orphanages, NGOs, government schools in Delhi and NCR, Tamil Nadu, Karnataka, and Andhra Pradesh and Telangana. BHB provides free health checks, awareness workshops and medicines to 130 Old Age Homes, 26 Children's Homes and 17 NGO / Government schools. It also conducts sessions on life saving for the NCC cadets every year. In the year 2019, BHB has benefitted over 42,500 people through these initiatives.

**Other Highlights 2019**

- Poverty Learning Foundation (PLF), Hyderabad conducted the Process Evaluation for the Total Health Program
- A new entity by the name 'Aragonda Vikas Trust' for women empowerment, skill development and livelihood support, was registered and made functional
- Harvard School of Public Health, USA team visited Total Health during the year and is documenting Total Health as a case study for public health student discussions
- A new project named Arogya Rakshak (A project supported by Reckitt ad Benckiser) is being implemented by Total Health under the CSR partnership – Swatch Bharat Abhiyan.
- Initiated central kitchen with balanced diet menu for the all the beneficiaries in the nutrition centres and Aragonda Vikas Trust.
- During the year 2019, Total Health was recognized for its work and bagged four prestigious awards from the forums-Dainik Jagaran, Asian Hospital Management Awards and Six Sigma Health Care Excellence Awards.
- Under the aegis of Dr PC Reddy Sports Academy, Total Health sponsored cricket and volley ball tournaments, and state level under 17 football conditioning camp.
The CSR division at Indraprastha Apollo Hospitals is focused towards the health of children and women of the underprivileged community, as well as the frontline workers of the Forest Department. In the year 2019, more than 28,000 people have benefitted from the various activities organised.

- Cardiology camp for senior citizens
- General health examination as a part of the orphanage programme
- Health awareness workshop on ‘Health and Nutrition’
- General health check-up camp

Indraprastha Apollo Hospitals, Delhi, CSR
Apollo Hospitals, Hyderabad, CSR

The CSR division of Apollo Hospitals, Hyderabad focuses on providing medical care to the people from underprivileged community through health camps and awareness workshops. In the year 2019, it has conducted health talks and health camps benefitting over 1000 elderly individuals and children.

Apollo Hospitals, Chennai CSR

Apollo Hospitals, Chennai CSR division operates daily free clinics and 24X7 emergency care centres for underprivileged communities through various centres of Apollo at Chennai. Free medical services are provided throughout the year in the clinics and emergency centers for patients with generic health issues. Serious cases such as those of polytrauma, cardiac and neurological issues are provided further treatment at the hospital or are referred to other hospitals. In the year 2019, over 13,600 patients have been provided free health checks, treatment, free medicines, surgeries and hospitalization through the Apollo Hospitals, clinics and centres in Chennai.
Academics

- DNB/FNB Programs
- Apollo Clinical Knowledge Network (ACKN)
- Apollo Nursing Education
- Medvarsity Online
- Apollo MedSkills
- Apollo Institute of Medical Sciences and Research (AIMSR)

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DNB/FNB Programs

Apollo Hospitals conducts the largest Diplomate of National Board (DNB) and Fellowship of National Board (FNB) programmes in the country. These programmes are run under the aegis of National Board of Examinations. As of 31st December 2019 there were 884 DNB/FNB candidates in 14 Apollo Hospitals. The 496 seats, that were available in 2018 for DNB/FNB program at Apollo Hospitals, were scaled up to 599 seats in 2019. Indraprastha Apollo Hospitals, Delhi started new FNB courses in Arthroplasty in 2019. The aim is to increase the number of specialties/ seats by one-third each year for the next 3 years.

The NBE has accredited Apollo Hospitals for training and examinations in 15 Broad Specialities, 21 Super Specialities and Eight Postdoctoral Fellowship (FNB) programmes.

NBE has granted accreditation to the following DNB/FNB programs at different locations of Apollo Hospitals.

<table>
<thead>
<tr>
<th>Broad Specialities</th>
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<tbody>
<tr>
<td>1. Anaesthesiology</td>
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<td>2. Emergency Medicine</td>
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<td>3. ENT</td>
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<tr>
<td>4. Family Medicine</td>
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<tr>
<td>5. General Medicine</td>
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<tr>
<td>6. General Surgery</td>
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<tr>
<td>7. Nuclear Medicine</td>
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<tr>
<td>8. Obstetrics and Gynecology</td>
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<td>9. Orthopaedics</td>
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<td>10. Pathology</td>
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<td>11. Paediatrics</td>
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<td>12. Radio diagnosis</td>
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<tr>
<td>13. Radiotherapy</td>
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<tr>
<td>14. Respiratory Diseases</td>
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<tr>
<td>15. Transfusion Medicine</td>
</tr>
</tbody>
</table>

Academics

Post Graduate Medical Education in Apollo Hospitals

Royal College Courses (UK)
- Member of Royal College Emergency Medicine (MRCEM)

National Board of Examinations
- DNB /FNB Programs

Indian Society of Critical Care Medicine
- Indian Fellowship in Critical Care Medicine (IFCCM)
- Indian Diploma in Critical Care Medicine (IDCCM)

Medvarsity
- Fellowship in Emergency Medicine (Royal Liverpool Academy, UK)
- Fellowship in Clinical Cardiology
- Masters Class - Diabetes Mellitus (Royal Liverpool Academy, UK)
Fellowships (FNB)
1. Minimal Access Surgery
2. Paediatric Haematology
3. Infectious Diseases
4. Interventional Cardiology
5. Paediatric Gastroenterology
6. Liver Transplantation
7. Arthroplasty
8. Cross Sectional and Body Imaging

Super Specialities
1. Cardio Thoracic Surgery
2. Cardiology
3. Endocrinology
4. Gastroenterology
5. Genito Urinary Surgery (Urology)
6. Medical Oncology
7. Nephrology
8. Neuro Surgery
9. Neurology
10. Vascular Surgery
11. Pediatric Surgery
12. Plastic Surgery
13. Rheumatology
14. Surgical Gastroenterology
15. Surgical Oncology
16. Cardiac Anesthesia
17. Pediatric Cardiology
18. Neuro Anesthesia and Critical Care
19. Hematology
20. Critical Care Medicine
21. Pediatric Intensive care

DNB/FNB proposed to NBE in 2019
1. Anaesthesia for Minimal Access
2. Bariatric & Metabolic Surgery
3. Paediatric Urology
4. Fetal Medicine
5. Molecular Biology
6. Clinical Immunology
7. Disaster Management
8. Geriatrics

In 2019, six DNB trainees from Apollo Hospitals were conferred with awards by the NBE:

<table>
<thead>
<tr>
<th>Apollo Hospitals Locations</th>
<th>DNB Trainee</th>
<th>Speciality</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bangalore</td>
<td>Dr. Avanthi P</td>
<td>Medical Oncology</td>
</tr>
<tr>
<td>Chennai</td>
<td>Dr. Agrawal Harshal Nandlal</td>
<td>Neuro Surgery</td>
</tr>
<tr>
<td></td>
<td>Dr. Ujwal Gajula</td>
<td>Gastroenterology</td>
</tr>
<tr>
<td></td>
<td>Dr. S Nikita</td>
<td>Nuclear Medicine</td>
</tr>
<tr>
<td>Delhi</td>
<td>Dr. Dadhania Nikunjkumar Vallabhdas</td>
<td>Rheumatology</td>
</tr>
<tr>
<td>Hyderabad</td>
<td>Dr. Akkineni Naga Prasanthi</td>
<td>Radiotherapy</td>
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</tbody>
</table>

Apollo Clinical Knowledge Network (ACKN)

ACKN has been instituted in order to create a knowledge center for an academic exchange across different Apollo Hospitals.

Weekly clinical meetings are conducted for Consultants, DNB trainees and Junior Medical Staff across the Group Hospitals. Medvarsity serves as the connectivity engine for ACKN. The various locations of Apollo Hospitals Groups connect every week to enable consultants to became a part of clinical knowledge enhancement.

The clinical presentations are made by consultants from individual Apollo Hospitals locations and are transmitted live across the Apollo Group. The case deliberations are recorded by Medvarsity and made...
available 24X7 to any clinical staff who might have missed the session.

The DNB/FNB Academic Coordinators of each unit are the single point of contact. To build a culture of multi disciplinary clinical deliberations, these clinical meetings are organized with each of the NBE approved hospitals by rotation.

Following is the list of Clinical Presentations which were held in 2019

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<thead>
<tr>
<th>Apollo Hospitals Locations</th>
<th>Speaker</th>
<th>Topics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chennai</td>
<td>Dr Elankumaran K HOD - Surgical Gastroenterology</td>
<td>Caval Leiomyosarcoma – from ex-vivo resection to auto-transplantation</td>
</tr>
<tr>
<td></td>
<td>Dr Ajit Saxena Sr. Consultant - Urology</td>
<td>Robotic Prostatectomy - Current Status and future direction</td>
</tr>
<tr>
<td>Hyderabad</td>
<td>Dr K.S. Deepak Sr. Consultant - Critical Care Medicine</td>
<td>A Typical Presentation of an Autoimmune disease in ICU</td>
</tr>
<tr>
<td>Kolkata</td>
<td>Dr Manas Saha Sr. Consultant - Vascular and Non-Vascular Intervention</td>
<td>Cases of Balloon Occluded Retrograde Transvenous Occlusion of Varices (BRTO) - treating variceal bleed and Hepatic venous stenting</td>
</tr>
<tr>
<td>Ahmedabad</td>
<td>Dr Bhavin Vadodariya Sr. Resident - Surgical Oncology</td>
<td>Isolated Peri portal lymphnode tuberculosis</td>
</tr>
<tr>
<td>Bangalore</td>
<td>Dr Aruna R Patil Consultant- Radiology, Dr Sathyajit Godhi Consultant- Surgical Gastroenterology</td>
<td>Gmaut of Meckel's Diverticulum, Relate Complications</td>
</tr>
<tr>
<td>Bhubaneswar</td>
<td>Dr Prafulla Kumar Sahoo Chief Consultant- Neuro Surgery</td>
<td>Evidence Based Management of Spinal Dysraphism</td>
</tr>
<tr>
<td>Bilaspur</td>
<td>Dr Amit Verma Sr. Consultant- General/Oncology Surgery</td>
<td>A Rare Case Report of Paraganglioma, Thyroid with Aberrant Vasculature</td>
</tr>
<tr>
<td>Madurai</td>
<td>Dr A Suresh Kumar MS Sr. Consultant- Laparoscopic Surgery</td>
<td>An Interesting case of Colonic Duplication Cyst in Young Adult</td>
</tr>
<tr>
<td>Mysore</td>
<td>Dr K S Sowbhagya Lakshmi Sr. Consultant- Obstetrics and Gynaecology</td>
<td>Preterm Twin Molar Pregnancy</td>
</tr>
<tr>
<td>Guwahati</td>
<td>Dr Dibya Jyoti Bora Sr. Consultant- GI and HPB surgery</td>
<td>Reconstruction after Pancreatic Trauma by Pancreaticogastrostomy</td>
</tr>
<tr>
<td>Mumbai</td>
<td>Dr Aklesh Tandekar Consultant, Critical Care, Dr Gunadhar Padhi Sr. Consultant- Critical Care</td>
<td>ARDS with Pulmonary Embolism</td>
</tr>
<tr>
<td>Chennai</td>
<td>Dr Senthur Nambi Consultant- Infectious Diseases</td>
<td>Classic PUO- Serendipity</td>
</tr>
<tr>
<td>Location</td>
<td>Name and Position</td>
<td>Case Study</td>
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</tr>
<tr>
<td>Hyderabad</td>
<td>Dr Niranjan, Consultant- Critical Care Medicine</td>
<td>A case of ARDS managed with ACCOR</td>
</tr>
<tr>
<td>Delhi</td>
<td>Dr P N Renjen, Sr. Consultant- Neurology</td>
<td>Gas Geyser Syndrome - A Case Presentation &amp; Review Of The Literature</td>
</tr>
<tr>
<td></td>
<td>Dr Dinesh Chaudhari, Associate Consultant- Neurology</td>
<td></td>
</tr>
<tr>
<td>Kolkata</td>
<td>Dr Avishek Poddar, Consultant-Paediatrics</td>
<td>Interesting cases from PICU</td>
</tr>
<tr>
<td></td>
<td>Dr Agnisekhari Saha, Consultant- Paediatrics</td>
<td></td>
</tr>
<tr>
<td>Ahmedabad</td>
<td>Dr Manoj Singh, Consultant- Critical Care and Pulmonology</td>
<td>Interesting case and update on Mucormycosis</td>
</tr>
<tr>
<td>Bangalore</td>
<td>Prof. (Dr) Narasimhaiah Srinivasaiah, Sr. Consultant- Colorectal Surgery / Surgical oncology</td>
<td>Enhanced Recovery After Surgery (ERAS)-surgical stress response and a surgeon in stress</td>
</tr>
<tr>
<td>Bilaspur</td>
<td>Dr Vijay Shrivas, Consultant- Medicine</td>
<td>Complicated Enteric Fever</td>
</tr>
<tr>
<td>Madurai</td>
<td>Dr M. S. Prabhu, Consultant- Anaesthesiology</td>
<td>Spinal Myoclonus – A Rare Complication of Spinal Anesthesia</td>
</tr>
<tr>
<td>Mysore</td>
<td>Dr Shivaprasad B N, Consultant- Rheumatology</td>
<td>Early Diagnosis Of Vascular Pathology (2 Cases)</td>
</tr>
<tr>
<td>Guwahati</td>
<td>Dr Geetanjali Shariah Khaund, Consultant, Dept. of Paediatrics</td>
<td>Multi-Faceted Typhus Fever</td>
</tr>
<tr>
<td>Mumbai</td>
<td>Dr Gunadhar Padhi, Consultant- Critical Care</td>
<td>Few Interesting Cases of Refractory Hypokalemia</td>
</tr>
<tr>
<td>Bhubaneswar</td>
<td>Dr Sushant Kumar Sethi, Sr. Consultant- Gastroenterology</td>
<td>An Unusual Case –Presenting as UGI Bleed and Anemia</td>
</tr>
<tr>
<td>Hyderabad</td>
<td>Dr K Subba Reddy, Sr. Consultant- Critical Care</td>
<td>Intraventricular Hemorrhage Secondary to Intrathecal Colistin Injection</td>
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<td></td>
<td>Dr Nikhat Sultana, Registrar, Critical Care Medicine</td>
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<tr>
<td>Delhi</td>
<td>Dr A K Dutta, Sr. Consultant- Paediatrics</td>
<td>CANCER MIMICKER- CLEARING THE COBWEB</td>
</tr>
<tr>
<td></td>
<td>Dr. Sneha Bhosle, DNB trainee-Paediatrics.</td>
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</tr>
<tr>
<td>Kolkata</td>
<td>Dr Sandip Mandal, Consultant- Internal Medicine</td>
<td>Emergency Room Cases with Diagnostic Dilemma</td>
</tr>
<tr>
<td>Ahmedabad</td>
<td>Dr Sandip Shah, Consultant-Radiology</td>
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<tr>
<td></td>
<td>Dr Ankit Singhvi, Consultant- Radiology</td>
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<tr>
<td></td>
<td>Dr Khushbu Upwanshi, DNB Residents- Radiology</td>
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<tr>
<td>Location</td>
<td>Presenter(s)</td>
<td>Topic</td>
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<tr>
<td>Bangalore</td>
<td>Dr Prof. Sunil Narayan Dutt Sr. Consultant- Otolaryngology (ENT) &amp; Head-Neck Surgery</td>
<td>Hearing Implants - State of The Art</td>
</tr>
<tr>
<td>Bhubaneswar</td>
<td>Dr Amitav Mohanty Sr. Consultant- Internal Medicine Dr Rashmi R Pradhan Dept. of Internal Medicine</td>
<td>The Enigma of Mycobacterium</td>
</tr>
<tr>
<td>Bilaspur</td>
<td>Dr P.P. Misra Sr. Consultant- ENT</td>
<td>Foreign Body –Airway a Tricky Pediatric Case C- Arm Localisation</td>
</tr>
<tr>
<td>Madurai</td>
<td>Dr Suresh Kumar Sr. Consultant- General Surgery &amp; Minimal access</td>
<td>Hernia of Broad Ligament</td>
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<tr>
<td>Guwahati</td>
<td>Dr Rakesh Periwal Consultant- Critical Care Medicine</td>
<td>Sepsis In Flood Victim</td>
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<tr>
<td>Mumbai</td>
<td>Dr Sanjeev Kumar Kalkeka Consultant- Interventional Cardiology Dr Rishi Bhargava Consultant- Interventional Cardiology</td>
<td>Watchman's Device Implantation</td>
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<tr>
<td>Chennai</td>
<td>Dr Venkatakarthikeyan Sr. Consultant- ENT- Head &amp; Neck Surgery</td>
<td>How Robotic Technology Is Shaping The Specialty</td>
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<tr>
<td>Mysore</td>
<td>Dr Avinash Consultant- Pulmonologist</td>
<td>Is it only Rheumatoid Arthritis?</td>
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<tr>
<td>Hyderabad</td>
<td>Prof. Pinjala Ramakrishna Sr. Consultant- Vascular Surgery Dr Junish Bagga Department of Vascular Surgery</td>
<td>Vascular Trauma</td>
</tr>
<tr>
<td>Chennai</td>
<td>Dr N.K. Narayanan Sr. Consultant- Diabetology &amp; Endocrinology</td>
<td>10 Years, 3 Countries And A Lady With A Box Of Injections</td>
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<td>Delhi</td>
<td>Dr (Prof) Raju Vaishya Sr. Consultant- Orthopaedics &amp; Joint Replacement Surgery</td>
<td>3D Printing For Surgical Planning of Complex Orthopaedic Cases</td>
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<tr>
<td>Kolkata</td>
<td>Dr Sushmita Roy Chowdhury Sr. Consultant-Pulmonology Department</td>
<td>Interesting Case Presentation With Acute Respiratory Emergencies</td>
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<td>Ahmedabad</td>
<td>Dr Mayur Jadhav DNB Resident- Critical Care Dr Manoj Singh Consultant- Chest and Critical Care</td>
<td>Managing Severe Dengue</td>
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<td>City</td>
<td>Consultant/Specialist</td>
<td>Title/Procedure</td>
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<tr>
<td>Bhubaneswar</td>
<td>Dr Nachiketa Mohapatra (Sr. Consultant), Pathology</td>
<td>Central Neurocytoma And Lateral Ventricular Meningioma / Meningothelial Rest Occurring As Collision Tumors: A Rare Case Association.</td>
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<tr>
<td></td>
<td>Dr Jyotsna Pandey (DNB Trainee)</td>
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<td></td>
<td>Dr Anoja Aparajita (Registrar)</td>
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<tr>
<td>Vizag</td>
<td>Dr Nanda Kishore Panigrahi Sr. Consultant- Cardiology</td>
<td>Management of low flow Aortic Stenosis following CABG with TAVR</td>
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<tr>
<td>Bangalore</td>
<td>Dr Savith Kumar Associate Consultant- Neuroradiology and Interventional Neuroradiology</td>
<td>Endovascular management of Spinal Vascular Malformation (few rare cases)</td>
</tr>
<tr>
<td>Bilaspur</td>
<td>Dr Indira Misra Consultant- Paediatrics and Neonatology</td>
<td>A rare case of spontaneous intracranial hemorrhage</td>
</tr>
<tr>
<td>Madurai</td>
<td>Dr Vani Sr. Consultant- General Medicine</td>
<td>&quot;Two Interesting cases of Scrub Typhus&quot;</td>
</tr>
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<td>Mysore</td>
<td>Dr Sanjeev Rao Goromaji Sr. Consultant- Internal Medicine</td>
<td>&quot;THE GREAT IMITATOR&quot;</td>
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<td>Guwahati</td>
<td>Dr Shameem Ahmed Sr. Consultant and HOD- Neurosurgery</td>
<td>Solitary Plasmacytoma Of Skull: Presenting As Giant Intra-Osseous Skull Bone Tumour With Extra- Calvarial And Intra- Cranial Extension</td>
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<td>Navi Mumbai</td>
<td>Dr Vaishali Lokhande, Consultant- Internal Medicine</td>
<td>THE WEIL'S CHALLENGE</td>
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Snapshots of Consultants / Junior Medical Staff and DNB trainees participating in ACKN series at various Apollo Hospitals locations

Apollo Hospitals, Guwahati

Apollo Hospitals, Madurai
Apollo Nursing Education

At present there are 12 Apollo Nursing Colleges/Schools in India and Bhutan. These are grouped under the umbrella of Apollo Knowledge Vertical for academic standardization and administrative purposes.

Courses and Student Strength

The available nursing courses include GNM, BSc Nursing, M.Sc. Nursing, PhD Nursing and PG Diploma in 8 specialties. The courses are duly recognized by the Indian Nursing Council (INC). A total of 3000 undergraduate students and 260 post graduate students are enrolled in Apollo Nursing Colleges/Schools.

Faculty Development

Two faculty members from Apollo College of Nursing at Chennai and Delhi were selected by INC and trained as master trainers for the country in ‘Simulation based Teaching Methods’. Faculty have completed a certificate course in Bio Ethics by UNESCO and Palliative Care Nursing by Indian Association of Palliative care.

Five faculty members successfully completed Ph.D at the Apollo College of Nursing, Chennai and were awarded by the INC and the TN Dr MGR Medical University.

Gold Medals

A total of seven students from Apollo College of Nursing, Chennai and two students from Apollo College of Nursing, Ahmedabad received gold medals for top-ranking in the university examinations of their respective states.

Placement

An average of 1000 nursing candidates graduating every year is given 100% placement in Apollo Hospitals.

Awards

Apollo College of Nursing, Chennai received the Quality Brands India College Award 2019 from the

Exam Centre

Apollo College of Nursing, Chennai was appointed as the test center for Occupational English Test (OET) exams, conducted every month by OET, Australia.

Research Projects

Projects of four faculties from Apollo College of Nursing, Chennai and one from Apollo College of Nursing, Madurai were selected for funding by the TN Dr. MGR Medical University and Tamil Nadu Nurses and Midwives council.

International Students Clinical Attachment Program

The 4th batch of 30 students from Ngee Ann Polytechnic, Singapore gained clinical experience for two weeks at Apollo Hospitals, Vanagaram.

International Conference on Health Care Communication

This conference was organized by Apollo College of Nursing, Chennai, in association with Occupational English test (OET) Australia, Cambridge Box Hill Language Assessment, UK, and US Consulate, Chennai. This was attended by 534 delegates from various institutions.
chemotherapy, lactation management, innovative methods of teaching learning, hospital accreditation (JCI/NABH), IELTS/OET preparatory course were conducted for the students in addition to regular syllabus.

**Innovative Methods of Education**

Patients as Educators: a new integrated method of teaching by involving patients suffering from chronic illness was implemented and its effectiveness was published as article.

A tool on ventilator associated pneumonia bundle for newborn was developed in association with Apollo Children's Hospital, Chennai. This was researched for its effectiveness and published.

**Books Authored by Faculty**

A text book on OSCE in Community Health Nursing was authored and Published by MS. Helen. M, Associate Professor of Apollo College of Nursing, Chennai.

A text book on Midwifery and Gynecological Nursing was published by Ms. Archana Morey, faculty from Apollo College of Nursing, Hyderabad.

**Research Publications**

The faculty from Chennai have published 17 articles, faculty from Delhi, Kolkata and Ahmedabad have published three articles each and one has been published from Hyderabad in indexed journals.

**Journal Editorship**

Five faculty members from Chennai and one faculty from Madurai college were selected as editors of Journals published by the Tamil Nadu Nurses and Midwives Council.

**Medvarsity Online**

Medvarsity Online Ltd. is India's first and largest online healthcare certification and training company. The company has upskilled and certified over 50,000 healthcare professionals across the globe. It has over
Highlights and Achievements

- A new mobile website was launched to offer users a website experience which matches that of the global standards. Clean design, seamless navigation, and easier self-enrollment process enable a simple and intuitive experience to the visitors and eases the process of choosing the course and making payments. The performance of the website went up significantly with bounce rate improving by 11%; average time spent increased from 2.26 mins to 3.30 mins; and page views went up by 100%.

New courses were launched in 2019

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<tr>
<th>Course</th>
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<tr>
<td>PG Diploma in Clinical Nutrition</td>
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<tr>
<td>Masters in Healthcare Quality and Patient Safety</td>
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<tr>
<td>Fellowship Program in Clinical, Preventive and Non-Invasive Cardiology</td>
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<tr>
<td>Advanced Certificate in Infection</td>
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<tr>
<td>Prevention and Control</td>
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<tr>
<td>Certificate in Diabetes Mellitus</td>
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<td>Certificate Course in Hypertension Management</td>
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<tr>
<td>Certificate Course in Medical Ethics</td>
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<tr>
<td>NABH Pro - Certificate Course on NABH</td>
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<tr>
<td>Accreditation Standards for Hospitals</td>
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<tr>
<td>Prevention of Sexual Harassment</td>
</tr>
</tbody>
</table>

New Partnership Engagements for Academic and Clinical Trainings

- Singhania University
- KIMS, Ongole
- Konseema Institute of Medical Sciences, Amalapuram
- People Tree Hospitals, Bangalore
- KIMS, Nellore
- Apollomedics Super Speciality Hospital, Lucknow

Medvarsity, in association with CII, created a unique learning experience space at Asia Health 2019. The experience center offered the event attendees a course called Medical Ethics, especially created for them. Medvarsity successfully certified over 30% of the attendees on the day of the event.
A platform called Kite Pro was created by Medvarsity. This platform is first-of-its-kind in the space of ed-tech. Medvarsity’s Kite Learning Management System is developed on a leading open source frameworks and therefore, provides extensive capabilities for customization, integration and reporting. Kite is a cloud-hosted scalable learning management system with in-built multi-tenant capabilities. The company has been successful in leveraging Google’s cloud platform in order to provide the global audience-base with an exceptional learning experience and at the same time, ensure infrastructure scalability to handle higher load on a case to case basis.

Medvarsity received over 6000 enrollments in 2019.
Medvarsity experienced an expanded reach and engagement with over 60 hospitals in 2019.

Customer Satisfaction
Customer Satisfaction (CSAT) measures were used to assess users’ satisfaction with the product while Net Promoter Score (NPS) measures were deployed to assess the users’ loyalty.

The following were the rating:

<table>
<thead>
<tr>
<th>Month</th>
<th>CSAT</th>
<th>NPS</th>
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</thead>
<tbody>
<tr>
<td>Apr-18</td>
<td>100%</td>
<td>90%</td>
</tr>
<tr>
<td>May-18</td>
<td>92%</td>
<td>87%</td>
</tr>
<tr>
<td>Jun-18</td>
<td>93%</td>
<td>80%</td>
</tr>
<tr>
<td>Jul-18</td>
<td>94%</td>
<td>96%</td>
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<tr>
<td>Aug-18</td>
<td>96%</td>
<td>76%</td>
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<tr>
<td>Sep-18</td>
<td>97%</td>
<td>78%</td>
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<tr>
<td>Oct-18</td>
<td>87%</td>
<td>75%</td>
</tr>
<tr>
<td>Nov-18</td>
<td>86%</td>
<td>71%</td>
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</tbody>
</table>
Apollo MedSkills

The story of Apollo MedSkills, in many ways, is the story of Skill India. The roots of Apollo Medskills are connected to the country’s healthcare skilling revolution. Since its establishment and becoming operational in 2014 Apollo MedSkills Limited has evolved as one of the India's most preferred healthcare skilling partner across the country.

The lives and livelihoods of the students and their families have been greatly impacted by the skill building programmes conducted by Apollo MedSkills at more than 35 training centers and Centres of Excellence (COE) located in 22 states of India with an employee strength of over 600 professionals. The ability of Medskills to continuously innovate and offer the right course and curriculum to the students has helped to execute placement linked skill development projects ensuring life-long employability and a sustainable career path for the aspirants.

The strategy of Apollo MedSkills is to build the capacities through skilling, upskilling and re-skilling the un-employed youth, allied healthcare professionals, nurses, doctors, hospital staff respectively and create employable workforce for the healthcare industry.

Milestones achieved in 2019

Every healthcare skilling project of Apollo MedSkills aims at creating the greatest impact on the healthcare industry by providing skilled and employable workforce. MedSkills aims at improving the lives of the un-employed youth in the country by providing them with employment opportunities and thus impacting the economy of each household and the nation at large.

Operations Update

- Over 2500 un-employed youth including women were provided with livelihood opportunities in the healthcare sector. This has created a social, academic and economic impact on the individuals and their family.
- Over 15000 students underwent up-skilling training for gaining better-career opportunities.
- Apollo MedSkills students had the great privilege of meeting and interacting with Honorable Governor of Telangana State Dr. Tamilisai Soundarajan.
- Apollo MedSkills students from Bhopal centre working as Emergency Medical Technicians were awarded with “Best EMT” of the month for their dedicated work at Manipal Hospitals, Bengaluru.

Apollo MedSkills students interacting with Honorable Governor of Telangana State Dr. Tamilisai Soundarajan.

Apollo MedSkills student, received “Best EMT” award at Manipal Hospital.
the skill building programs, multiple opportunities like continuing education, interaction with peer group, entry into mainstream job market, respectable job, a steady monthly income, career progression are available for them to move out of the BPL segment.

Accessibility and Availability
Medskills training is making the services trained healthcare professionals accessible and available to the people in the rural areas.

Operations Scale-Up | Achieving Excellence
Apollo Medskills- Project implementing institution
In the year 2019, there was a significant execution of various projects that had entered the final phase in the previous year. The sanction order for projects from government, institutional, domestic and international organizations, CSR projects with corporates and public limited companies became operational during the year. Therefore, the Projects Operations swung into action with plans for continuous mobilization and enrollments of target students across India, ensuring infrastructure like opening of new training centers, simulation lab set up, strengthening and re-structuring of operations by recruitment of human resources at all levels, maintaining quality in training and delivery.
Apollo MedSkills has around 110000 student enrolments, 97000 students undergone training and 78000 students placed across India cumulatively.

Government Projects
The Ministry of Rural Development (MoRD) recognized Apollo MedSkills as the Champion Employer for implementing its DDUGKY Projects across 22 states in the healthcare skilling. The aspiring students were the rural un-employed and school drop-outs who were provided with free training, boarding and lodging facilities followed by placement opportunities in the healthcare industry. Upon course completion, the students undergo an assessment and certification by Health Sector Skill Council (HSSC).

Beyond Brick and Mortar
The healthcare ecosystem is less automated and hence there is a huge demand for skilled workforce. Besides the theoretical knowledge provided in the classroom, the skilling programs include on-the-job-training. Blended learning methodologies are also available such as:
- Learning Management Systems (LMS) for providing online training
- Students are trained on work place etiquette, communication skills and basic computer knowledge ensuring their job-readiness when they are provided with placement opportunities.

Impact on Household Economy
By equipping the youth with required skills, they become academically qualified, socially responsible individuals for themselves, their family, society and our nation. Average household income of each student grew by 50%, with an additional contribution of Rs. 12000 to 16000 per month on an average.

Learn, Earn, Progress through Continuing Education
Students who are school drop-outs remain mostly in the below poverty line (BPL) segment. By undergoing

• Apollo MedSkills signed anMoU with University of Bolton, in the presence of Mayor of Manchester as part of the Manchester India partnership initiative to offer healthcare management programs for healthcare professionals.

• Apollo MedSkills facilitated the visit of the delegation from the Government of the Republic of Maldives, accompanied by officials from NSDC to Apollo MedSkills Centre of Excellence in Delhi. The team was here to explore the opportunities for the implementation of Skill Development Programmes.

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Projects with State Government and their Local Bodies

- **Telangana SC Development Corporation (TSSCCDC)**
  Apollo MedSkills is the implementing partner for TSSCCDC to skill over 1000 SC students in healthcare programmes and provide them with job opportunities. Over 450 students have been trained and provided with employment opportunities in various organizations that have local and regional presence across the state of Telangana. Medskills continues to enroll the target students for training and achieving the objective of the project.

- **National Institute of Social Defence (NISD)**
  One of the areas of concern identified by NISD was care for elderly individuals. Apollo MedSkills partnered with NISD for providing training to youth in form of a Geriatric Care Course. The pilot project of training 120 candidates in four batches was successfully completed. Another sanction of training 100 students in Geriatric Care was also completed. Placement has also been provided to the trained candidates in major healthcare organizations including Portea Healthcare, Old Age Homes, Call Health, Zocmr, Life Circle and many Home Care institutions.

Corporate Social Responsibility Projects

**Think CSR | Think Healthcare**

Apollo MedSkills diversified itself into CSR space as the project implementing partner for corporates and public limited organizations to invest their CSR funds into healthcare skilling and building the workforce for the sector. Cumulatively over 700 candidates in BPL...
category, un-employed youth, women, were trained with an objective to empower them with education, skills and employment for sustainable livelihoods. With these CSR projects, Apollo MedSkills has made a humble beginning into the CSR space and attracting the corporates and public limited companies to invest in healthcare through their CSR projects.

### Organization Name and Training Location for CSR Projects

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<th>Organization Name</th>
<th>Training Location</th>
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<tr>
<td>Nirala-L&amp;T Project, Mumbai</td>
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<tr>
<td>Indian Oil Corporation Limited, New Delhi</td>
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<tr>
<td>Rural Electrification Corporation, Bihar</td>
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<tr>
<td>Numaligarh Refineries Limited, Assam</td>
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<tr>
<td>Action Aid</td>
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</table>

**Successful training under Nirala L&T CSR project at Mumbai**

### Addressing Global Skill Shortages in Healthcare

- **UK- NHS, HEE** have collaborated with Apollo Medskills and continue to fill the gap to address the manpower shortages in UK. Nurses, Emergency physicians and Radiologists are being trained for placements across NHS trust hospitals in UK.

- **Bhutan- Skill Development Programmes for medical professionals in Bhutan**

- **Ireland- Medskills** has a strategic collaboration with TTM healthcare to train Nurses and place them in NHS, Trust hospitals in UK. So far MedSkills has sourced and trained over 250 Nurses on this engagement

- **Strategic tie-ups are being worked with the Governments and Private institutions in South America and Mongolia to address the skill shortages**

### Apollo MedSkills Foray into Future Skills

**Courses in Healthcare IT**

Going with the trend and the healthcare market requirement, Apollo MedSkills launched courses for engineering graduates in IT and Computer Sciences for enhancing their skills and strengthening their position in the job market. New course was launched in Healthcare IT for skilled IT professionals in Artificial Intelligence (AI), Robotics and Virtual Learning.

### Apollo Institute of Medical Sciences and Research (AIMSR)

The Apollo Institute of Medical Sciences and Research (AIMSR), has established itself as a medical college of national and global repute. The medical education system adopted at the AIMSR aims to inculcate lifelong learning habits in the medical professionals of tomorrow. The medical college is established at both Hyderabad and Chittoor, in the Andhra Pradesh/Telangana region.

The AIMSR was ranked 23rd in the list of private medical colleges in the country.
Convocation

The 1st Batch (2012) and 2nd Batch (2013) medical graduates received their degrees at the Convocation Ceremonies conducted in April and June 2019 respectively.

Fifty Three Gold Medals and 18 Silver Medals were awarded to the students demonstrating consistent academic excellence, in the 14 subjects, year wise, both in the university and the internal assessment examinations conducted by the college for the batches 2012 and 2013.

The Chairman, Dr Prathap C Reddy Gold Medal for the Best Outgoing Student of the Apollo Medical College, Hyderabad was presented to students of batch 2012 and 2013, who demonstrated consistent academic excellence, by scoring the maximum aggregate marks in both the university examinations and internal assessments, all through the respective years of the MBBS course.

One hundred and two Certificates of Honour were awarded to the students of 2012 and 2013 batch who scored 75% and more marks in the 14 subjects, year wise both in the university examinations and internal assessments.
Achievements in 2019

1. The pass percentage of 2016 batch was 84% and 2018 batch was 92%

2. Permission was granted by the NMC/MCI, to establish PG programmes in 10 broad specialities in the Hyderabad campus, with a total of 34 seats/year.

3. The college organized a state wide METCON conference, where the latest innovations in the field of Medical Education were discussed.

4. The fully functioning Central Research Laboratory was commissioned on May 2019.

5. Overall 40 research proposals were submitted by AIMSR faculty, 17 of which were from students, with 23 having been published in peer reviewed journals. The Dean continues to be the Editor of the Journal of Global Infectious Disease.

6. The Department of Pharmacology received a DST grant for the study of Pharmacogenomics in Leukemia of over Rs.18.00L and RNTCP grant of Rs.5.00L. AIMSR has been working with Google on several AI projects for ophthalmology since 2016 and received a consultancy grant of Rs.3.5 Cr.

7. The Teaching Hospital secured the NABH – Pre-entry level accreditation, and the Kayakalpa Certification from the Quality Control of India (QCI).

8. The NACO ART centre, RNTCP centres were established in the Hyderabad campus - the 3rd such centres in the country, and the 1st in Telangana, through a Private -Public partnership.

Faculty Development

Several faculty members participated in society meetings, university examinations, and training workshops for their continuous professional development. A total of 33 hrs CME credits were awarded by the AIMSR, through several conferences, educational workshop and research training classes, hosted by the institution.

Collaborations for research and faculty student exchange continued with the George University – UNSW, University of Texas, University of Geneva and nationally with – IIHM, IIT and the University of Hyderabad.

Faculty are active members and office bearers of various State and National professional bodies, having delivered over 30 guest lectures, made paper presentations or chaired national conferences. Faculty continue to be invited as examiner to various Universities for the UG, PG, Diploma and Fellowship Examination of NBE, New Delhi.

Life time Achievement Award was conferred to Prof. Dilip Mathai, Dean AIMSR by the AIDS Society of India, for his extensive work in the field of HIV/AIDS, both nationally and internationally and to Prof. M.V. Raghavendra Rao - Emeritus Scientist and Central Research Laboratory Director, AIMSR as the International Best Scientist by the V D Good Technology Factory, New Delhi.
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Apollo Hospitals was recognised and felicitated at various national and international for their achievements and contributions, in the year 2019.

**AIMA Managing India Awards 2019**

Chairman, Dr Prathap C Reddy, was awarded the Outstanding Institution Builder Award at AIMA Managing India Awards organised by the All India Management Association.

**Super Achiever Excellence in Healthcare Award 2019**

Chairman, Dr Prathap C Reddy, was conferred the Super Achiever Excellence in Healthcare Award by Rotary Institute for pioneering innovation in bringing high quality cutting edge healthcare within the reach of all and conceptualizing the preventive healthcare model.

**Lifetime Achievement Award 2019**

Chairman, Dr Prathap C Reddy, was conferred the Lifetime Achievement Award for Ethical Leadership and Governance by Asian Centre for Corporate Governance and Sustainability.

**Economic Times Family Business Awards 2019**

Chairman, Dr Prathap C Reddy, was conferred the 'Effective Succession Planning Award' at the Economic Times Family Business Awards.

**IMTJ Medical Travel Awards 2019**

Chairman, Dr Prathap C Reddy, was conferred the Sanjiv Malik Lifetime Achievement award by IMTJ Medical Travel Awards for making a significant contribution to the development of medical travel and medical tourism over many years.
India’s Most Powerful Business Women in 2019

Ms. Suneeta Reddy, Managing Director, Apollo Hospitals, was felicitated by Fortune India as India’s Most Powerful Business Women in business that are making an impact by virtue of their business acumen and social and cultural influence.

Most Influential Woman of India 2019

Ms. Shobana Kamineni, Executive Vice Chairperson of Apollo Hospitals Enterprise Limited was named amongst the Most Influential Woman of India by Business World

IMA Mediko Award 2019

Dr Sangita Reddy, Joint Managing Director, Apollo Hospitals was conferred the Best Female Healthcare Leader Award, by Shri Etela Rajender, Minister for Medical, Health and Family Welfare, Government of Telangana.
Golden Peacock Award 2019

The Golden Peacock Awards, instituted by the Institute of Directors (IOD), India is considered the hallmark of Excellence worldwide.

The award was conferred to Apollo Hospitals, Ahmedabad for Energy Efficiency.

Association of Healthcare Providers (AHPI) – Patient Friendly Award 2019

The award was conferred to Apollo Health City, Hyderabad by AHPI for the category Patient Friendly Hospital.

ET Now-World HRD Congress – 13th Employer Branding Awards 2019

The Best Employer Award was conferred to Apollo Hospitals Group for the Organizational Category.

Healthcare Transformation Leaders' Award 2019

Dr Sangita Reddy, Joint Managing Director, Apollo Hospitals was felicitated with the prestigious Healthcare Transformation Leaders' Award for her exemplary role in India's healthcare sector at 'Annual Healthcare Innovation Summit – Healthcare in Today's Digital India'.

Appointment of Dr Sangita Reddy, Joint Managing Director, Apollo Hospitals, as FICCI President

Dr Sangita Reddy, Joint Managing Director, Apollo Hospitals Group, was elevated as FICCI President for 2019–20 at the apex chamber's 92nd Annual Convention in New Delhi.

International Women Entrepreneur 2019

Dr Sangita Reddy, Joint Managing Director, Apollo Hospitals was conferred the International Women Entrepreneur from India by IWEC Foundation at 12th IWEC Awards and Conference.

Dr Sangita Reddy, Joint Managing Director, Apollo Hospitals, Dr Sangita Reddy, receiving the International Women Entrepreneur Award at 12th IWEC awards and conference

ET Now-World HRD Congress - Now Dream Company Work for 2019

Apollo Hospitals Group won the highest number of awards won by any organization.

Category: Award for Managing Health at Work

Apollo Gleneagles Hospital, Kolkata
Apollo Hospitals, Hyderabad

Category: Dream Companies to Work for – Healthcare Sector

Apollo Hospitals, Navi Mumbai
Apollo Hospitals, Hyderabad
India's Most Admirable Brand Award 2019

The award was conferred to Apollo Hospitals, Group by the Brand Story Telecast on NDTV

FICCI Healthcare Excellence Awards 2019

The FICCI Healthcare Excellence Awards, aim to felicitate organizations and individuals for their contributions to the industry through innovation, efficiency, affordability and improved performance of healthcare delivery.

The awards won by Apollo Hospitals were:

Category: Service Excellence
Indraprastha Apollo Hospitals, Delhi for Innovative Internal Patient Transport System

Category: Skill Development
Apollo MedSkills for Skill Training and Enhancement program project (Reskilling and up skilling training for Government Hospital Staff)

Customer Loyalty Awards 2019

The award was conferred to Apollo Health City, Hyderabad for Best CRM Programme at the 6th Customer Loyalty Awards.

CII 5S Sustenance Award 2019

The award was conferred to Apollo Cancer Institute, Teynampet, for the Large Scale Service Category by Confederation of Indian Industry - Southern Region.

FICCI Medical Travel Value Awards 2019

Federation of India Chamber of Commerce and Industry (FICCI), is the voice of India’s business and industry. The FICCI Awards have emerged as the...
definitive recognition for contribution to healthcare in the country over the years based on innovation, sustainability, impact and scalability which forms the four criteria’s for evaluation.

Out of the total 15 award categories, Apollo Hospitals won six awards in five categories:

**Category:** Medical Value Travel Specialist Hospital - Kidney Transplant

**Indraprastha Apollo Hospitals, Delhi**

**Category:** Medical Value Travel Specialist Hospital - Liver Transplant

**Indraprastha Apollo Hospitals, Delhi**

**Category:** Medical Value Travel Specialist Hospital - Oncology

**Apollo Cancer Institutes, Chennai**

**Apollo Gleneagles Hospitals, Kolkata**

**Category:** Medical Value Travel Specialist Hospital - Bone Marrow Transplant

**Apollo Cancer Institutes, Chennai**

**Category:** Medical Value Travel Specialist Hospital - Cardiology Cardiac Surgery

**Apollo Hospitals, Chennai**

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**TN Chief Minister's Comprehensive Health Insurance Scheme 2019**

Apollo Cancer Centre, Teynampet was felicitated for high scores amongst the empanelled hospitals, in the TN Chief Minister’s Comprehensive Health Insurance Scheme by the Health Minister Mr. Vijayabhaskar, Government of Tamil Nadu.

![Apollo Cancer Centre, Teynampet team receiving the TN Chief Minister's Comprehensive Health Insurance Scheme award by the Health Minister Mr. Vijayabhaskar](image)

**World Health and Wellness Leadership Award 2019**

The award was conferred to Apollo Tele Health Services (ATHS) for the categories:

**Best Telemedicine Company**

**Best use of Technology in Healthcare**

![ATHS team receiving the World Health and Wellness Leadership Award](image)
SKOCH Awards 2019

The award was conferred to Apollo Tele Health Services (ATHS) for the categories:

Category: Grand Jury Gold for Apollo Tele-ophthalmology Project

Category: Order of Merit Gold for Apollo Tele-ophthalmology Project

National Human Capital Leadership Awards 2019

The award was conferred to Apollo Hospitals Group for the category 'Organization Awards for Best Employer Brand'

Hospital Management Asia Award (HMA) 2019

The Asian Hospital Management Awards recognizes and honours hospitals in Asia that implement best practices. It is the accepted hospital management awards program for Asia Pacific Region. For the HMA Awards 2019, held at Hanoi, Vietnam, there were 500 entries from 129 hospitals across 17 countries.

Apollo Hospitals Group won 10 awards in 8 categories, the highest number of awards won by any organization.

Category 1: Clinical Service Project
Apollo Hospitals Group - Project Excel - The Quality for Excellence (Q4E) Program (GOLD AWARD WINNER)

Category 2: Community Involvement Project
Apollo Hospitals Enterprise Limited - Total Health

Category 3: Cost Reduction Project
Apollo Hospitals, Ahmedabad - Innovations in Energy Efficiency Leading to Reduction in Cost and Carbon Footprint of the Hospital

Category 4: Customer Service Project
Apollo Hospitals, Dhaka - Innovation in Discharge Delighters for improving experience

Category 5: Facility Management and Financial Improvement Project
Apollo Gleneagles Hospitals, Kolkata - Creating a Sustainable Facility along with associated Opportunities of Cost Saving: The GO GREEN INITIATIVES

Category 6: Innovations in Hospital Management Project
Apollo Hospitals Group - Project 365

Category 7: Patient Safety Project
Apollo Hospitals Group - CHECK FOR THE CRITICAL - The Apollo ICU Checklist
Indraprastha Apollo Hospitals - Everyone goes Home Safe: creating a culture of safety

Category 8: Talent Development Project
Apollo Medical Centre, Karapakkam - Project KEN Revisiting physiological CTG ....the unseen spectrum of the PRISM!!!
Apollo MedSkills Limited - RE-SKILLING & UP-SKILLING TRAINING FOR GOVERNMENT HOSPITAL STAFF & NURSES

Swachh Bharath Award 2019

Swachh Bharath Award is an initiative to recognize and encourage top performing organizations in the space of sanitation and cleanliness.

The award was conferred to Apollo Speciality Hospitals, Trichy by the Municipal Corporation of Trichy
Swaach Hospital Competition 2019

Apollo Hospitals, Navi Mumbai was the bestowed “Winner Award” for competition organised by Swaach Bharat Mission (NMMC)

Award of Appreciation for the Year 2019

The award was conferred to Apollo Loga Hospitals, Karur by the Honourable Minister for Health, Dr. Vijaya Bhaskar, towards Chief Ministers’ Comprehensive Health Insurance Scheme

Kayakalp Award 2019

The award was conferred to Apollo Reach Hospital, Karaikudi. This award aims at felicitating health facilities that demonstrate high levels of cleanliness, hygiene, infection control and apply other measures that promote cleanliness in public space.

The WEEK- Hansa, Research Survey 2019

The Best Hospital Survey 2019 conducted by THE WEEK in association with Hansa India, ranks multi-speciality hospitals at an all India level, city level and speciality-wise. Various parameters were considered in the process of selecting the best hospitals; like the competency of the doctors, patient care and availability of multi-specialty facilities, reputation, infrastructure, innovation and environment. 2033 doctors (726 physicians and 1307 specialists) from 17 cities were consulted, for their opinion regarding the top ranking hospitals in India and hospitals with best ranking specialties.

Apollo Hospitals, Chennai was ranked as Best Corporate Hospital in the country in 2019. Indraprastha Apollo Hospitals, Delhi was ranked as the Third Best Corporate Multi-speciality Hospital in the country.

Apollo Gleneagles Hospitals, Kolkata was ranked the First Best Corporate Hospital in the East Zone. Apollo Hospitals, Bhubaneshwar was ranked as Third Best Private Hospital in East Zone.

Indraprastha Apollo Hospitals, Delhi was ranked as the Second Best Hospital in North Zone.

Apollo Hospitals, Chennai was ranked as the Best Corporate Hospital in South Zone. Apollo Hospitals, Hyderabad was ranked as the Second Best Corporate Hospital in South Zone.

Apollo Hospitals were also ranked as the best multi-speciality hospitals in the cities of Delhi, Chennai, Hyderabad, Kolkata, and Bhubaneshwar by the survey.

Apollo Hospitals at Chennai, Delhi, Hyderabad, Bangalore, Kolkata, Teynampet, ACH featured amongst the top 15 hospitals in the country in the specialities of Oncology, Orthopedics, Gastroenterology, Cardiology, Neurology, Paediatrics, Pulmonology.

All India Lifestyle Hospital and Clinic Ranking Survey 2019 -Times of India

The objective of this research was to arrive at a list of top hospitals and clinics in India. The specialities included in the research were Orthopedics, Dentistry, Diabetology, Dermatology, Plastic Surgery, Tricology, Ophthalmology and Bariatrics.

Apollo Hospitals, Chennai was ranked as the Best Hospital in India for the specialities of Orthopedics and Dermatology

Indraprastha Apollo Hospitals, Delhi was ranked as the Best Hospital in India for the specialities of Trichology, Cosmetic and Plastic Surgery

Apollo Gleneagles Hospitals, Kolkata was ranked as the Best Hospital in east region for Bariatrics, Cosmetic and Plastic Surgery, Dermatology, Orthopedics, Tricology
Apollo Hospitals, Chennai was ranked as the Best Hospital in southern region for Bariatrics, Cosmetic and Plastic Surgery, Dermatology, Orthopedics

Indraprastha Apollo Hospitals, Delhi was ranked as the Best Hospital in north region for Bariatrics, Cosmetic and Plastic Surgery, Diabetology, Ophthalmology, Orthopedics, Tricology

**All India Critical Care Hospital Ranking Survey 2019**

The objective of this research was to arrive at a list of top multi-speciality, super-speciality and single speciality hospitals in India

Apollo Hospitals, Chennai was ranked as the Best Multispeciality Hospital in India, for the specialities of Oncology, Cardiology, Paediatrics, Neuro Sciences, Nephrology, Gastroenterology and Hepatology, Urology, Emergency and Trauma.

**Odisha Best Employer Brand Award 2019**

The award was conferred to Apollo Hospitals, Bhubaneshwar for Odisha Best Employer

**IMTJ Medical Travel Awards 2019**

The award was conferred to Apollo Speciality Cancer Hospital, Chennai by IMTJ in Berlin for the category of 'International Cancer Centre of the Year'.

**Best TLC Awards 2019**

The first place for 'Best TLC Award- for Pediatric Patients' was conferred to Apollo Hospitals, Chennai under Group C category

**CM Scheme Appreciation Award 2019**

The awards was conferred to Apollo Hospitals, Chennai for performing highest number of cardiac procedures by Tamil Nadu Government under the CM Scheme

**CSSD Centre of Excellence Award 2019**

The awards were conferred to Apollo Hospitals at the 9th International Congress of The Asia Pacific Society of Infection Control.

**Winners:**

- Apollo Gleneagles Hospitals, Kolkata
- Apollo Hospital, Chennai
- Apollo Hospital, Mumbai

**Global Healthcare and Medical Tourism Conclave Awards and Expo 2019**

The award was conferred to Apollo Hospitals, Chennai for Organization wide Quality Initiatives, in the category Best Multi-Specialty Hospitals - Southern Region.

**National Healthcare Leadership Congress and Awards 2019**

The award was conferred to Apollo Hospitals, Chennai by Zee Business for Organization wide Quality Initiatives, in the category Best Multi-Specialty Hospitals
Prime Time Media - Global Healthcare Excellence award 2019

The award was conferred to Apollo Specialty Hospitals, Vanagaram for Best Multi-speciality Hospital in Tamil Nadu

Express Healthcare Excellence Awards 2019

The Express Healthcare Excellence Awards serve as platform for healthcare providers to showcase their innovative programmes and solutions for patient satisfaction, operational excellence and better medical outcomes, reach profitability and improve processes with their organization.

The awards won in various categories by Apollo Hospitals were:

Category: Best Patient Safety Practices Award
Winner: Apollo Health City, Hyderabad

Category: Best Patient Satisfaction Programme Award
Winner: Apollo Speciality Hospitals, Vanagaram

Category: Best Green Hospital Award
Winner: Apollo Speciality Hospitals, Vanagaram

CII – SR Kaizen Competition 2019

The awards won in various categories by Apollo Hospitals were:

Category: Operators
Winner: Apollo Specialty Hospitals, Vanagaram for the project Defect Free Room

Category: Supervisors
Winner: Apollo Specialty Hospitals, Vanagaram for the project Discharge Process Vs Customer Satisfaction

Category: Productivity Supervisor Level
Winner: Apollo Specialty Hospitals, OMR for the project Optimum Water Consumption Productivity

Category: Supervisor and Operator
Winner: Apollo Cancer Institute, Teynampet
CAHOTECH Award 2019

The award was conferred to Indraprastha Apollo Hospitals, Delhi at the 4th International Healthcare Technology Conference of Consortium of Accredited Healthcare Organizations (CAHO) for the project ‘Dial 77 - One Touch Button for all Non-Clinical Needs’

Times Health Icon Award 2019

The award was conferred to Apollo Hospitals, Ahmedabad for the categories:
- Hub for Medical Tourism
- Oncology Services
- Emergency and Trauma
- Critical Care
- Interventional Neurology

CAHO Healthcare Awards 2019

Apollo Hospitals, Ahmedabad was bestowed the CAHO Healthcare Award for the project Conservation of Water. The institution had revisited the existing opportunities and increased storage capacity of RO reject water as well as utilizes other accepted and appropriate uses.
India Book of Records 2019

India Book of Records recognized Apollo Hospitals in association with IMA-Women Doctors Wing for their efforts for creating awareness about organ donation. Apollo Hospitals holds the India Book Record for “Maximum Number of People pledge for Organ Donation in One Day”. The entire team of doctors approached the students, the teachers and the members of the community for creating awareness and pledging for Organ Donation on August 13, 2019.

Max International Patient Safety Conference 2019

Awards were conferred to Indraprastha Apollo Hospitals, Delhi during this Conference for

- Paper presentation
- Staff Skilling and Education
- Silent Hospital Helps Healing
- Poster presentation
- Porter Management System
- Peace to Panic
- Drug Information Centre.

Philips Techno Connect Cup Winner 2019

The award was conferred to Apollo Hospitals, Navi Mumbai in the category Service Excellence for Achieving High Up-Time

SECONA Shield Awards 2019

The award was conferred to Apollo Gleneagles Hospitals, Kolkata for the category 'Safe Hospital of the Year'

QIMPRO Quality Fables Competition 2019

The award was conferred to Apollo Gleneagles Hospitals, Kolkata for the project 'How a Needle Changed Lives'

National Tourism Award 2019

The award was conferred to Apollo Hospitals, Hyderabad by the World Tourism Organisation (UNWTO) for the category 'Best Medical Tourism Facility'. The forum also recognised the pioneering private healthcare revolution brought about by Apollo Hospitals in the country.
The award was conferred to Apollo Hospitals, Bhubaneswar by GSK and Bureau Veritaz.

The ABP News Health Care Leadership Awards is a premium forum bringing the best industry professionals who have made significant contributions in the industry.

The awards won by Apollo Hospitals were:

Apollo Gleneagles Hospital, Kolkata for Best Green Hospital

Apollo Hospitals, Hyderabad for Best Multi-speciality Hospital Region-wise (South India)

The award was conferred to Apollo Hospitals, Kolkata for the category ‘Most Trusted Hospital for the Innovation of the Year’ by Iconic Summit and Awards 2019, Topgallant Media
AHPI Healthcare Excellence Award 2019

The award was conferred to Indraprastha Apollo Hospitals, Delhi for
Nursing Excellence
Quality beyond Accreditation

SIX Sigma Healthcare Awards 2019

The award was conferred to Apollo Tele Health Services (ATHS) in the category Rural Healthcare Initiative of the Year for their project 'Jharkhand Digital Dispensary'

WorldSkills Competition 2019

Ms Thasleem Mohideen, Apollo Medskills was conferred the Medallion for Excellence, for the category Health and Social Care at the 45th WorldSkills Competition in Kazan, Russia.

Employer Branding Awards 2019

The Maharashtra Best Employer Brand Award was conferred to Apollo Hospitals, Navi Mumbai

CII - DX Summit and Awards 2019

The award was conferred to Apollo Tele Health Services (ATHS) in category 'Most Successful Digital Transformation for their project 'Jharkhand Digital Dispensary'

ATHS team receiving CII - DX Summit and Award

Ms Thasleem Mohideen, Apollo Medskills received Medallion for Excellence award at 45th WorldSkills competition in Kazan, Russia
Best Project Implementation Agency (PIA) Award 2019

The award was conferred to Apollo MedSkills, by Kudumbashree Mission, Government of Kerala

IHF Excellence Award 2019

Apollo Health & Lifestyle Ltd. was conferred the Gold Winner of the IHF/Austco Excellence Award for the category Quality and Safety and Patient-centered Care at the International Hospital Federation Awards for Apollo Safety Development Model: Building a Culture of Safety at Apollo Specialty Hospitals
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Apollo Hospitals Educational and Research Foundation (AHERF)

AHERF is a not for profit organisation recognised by the Department of Scientific and Industrial Research (DSIR) and is focused on basic, translational and epidemiological research. AHERF comprises of the Cell and Molecular Biology Research Centres (CMBRC) situated at Chennai, Hyderabad and Delhi. CMBRC enables basic and translational research projects in cutting edge areas such as liquid biopsy, molecular diagnostics, pharmacogenetics and exosomes. Further AHERF also spearheads a faculty development programme to spawn research pilots for basic research projects.

Accreditation

Association for the Accreditation of Human Research Protection Program (AAHRPP) Accreditation-AHERF has been awarded full accreditation and honoured with the global ‘gold seal’ by AAHRPP. To earn AAHRPP accreditation, AHERF provided tangible evidence of their commitment to scientifically and ethically sound research and continuous improvement through policies, procedures, and practices. As the ‘gold seal’ AAHRPP accreditation assures that the Human Research Protection Program is focused first and foremost on excellence. Five Ethics Committees and 13 Apollo Hospitals sites fall under the purview of this accreditation.

Projects

Circulatory Biomarker Biology Program: AHERF has established a wide array of circulatory biomarkers in the form of cell free DNA, exosomes and circulatory tumour cells. Exosomes form one of the major flagship programs of CMBRC, AHERF. Exosome biology is being now used to develop exosome-based diagnostics, drug delivery vehicles and cell free therapeutics. AHERF has made a foray into diagnostics and drug delivery system and is making efforts to develop exosome-based therapeutics.

Biomarkers: Exosome biology was used to detect serum EGFRvIII from the blood which stood as a diagnostic marker for detecting high grade gliomas. CMBRC is working on for establishment of detection biomarkers in diabetic nephropathy, renal transplant rejection and head and neck cancers.

Glioblastomas: The liquid biopsy testing for GBM was conceptualized in AHERF and proof of concept achieved. This underwent further dual validation in collaboration with a diagnostics partner. AHERF developed and used exosome technology for the studies. AHERF provided a platform for scientists in the laboratory to work with clinicians at the hospital to establish an alternative method for diagnosis of high-grade brain tumours using an exosome platform. AHERF along with its partners, introduced liquid biopsies as part of its precision oncology program – Apollo Hospitals unique approach for precise and personalised diagnoses, treatment and monitoring of cancer.

Drug Delivery agents: CMBRC is in the initial process of working on exosomes as drug delivery agents and further research to deploy exosomes as therapeutic agents.

AHERF is working on various research projects using exosome technology as a base platform. The projects focus on diagnostics, drug delivery and therapeutic application.

Some of these are:

- Development of urinary biomarker for early renal rejection
- Development of early diagnostic panel for identifying diagnostic nephropathy
- Development of companion diagnostic for Mithramycin drug in gliomas
- Development of exosomal curcumin from milk exosomes
- Development of fruit exosomes as drug delivery vehicle
- Development of exosomal dendritic cell vaccine

**Extra Mural Grants Received**

- Successfully secured Department of Biotechnology (DBT) grant in collaboration with Apollo Medical College for Identification of pharmacogenomics determinants causing toxicity in paediatric ALL.
- Successfully secured grant by Novartis for development of urinary exosomal diagnostics.
- Secured BIG grant for development of Alzheimer diagnostics.
- Secured BIG grant for development of salivary exosome diagnostics.
- Prime Minister's Research Fellowship was granted to a research scholar working at CMBRC

**Collaborations**

**Collaboration with University of Hyderabad (UoH)**

A Memorandum of Undertaking (MOU) has been signed between UoH and AHERF. The MOU would facilitate in conducting collaborative research activities, epidemiological and population studies, interventional studies, clinical trials, health systems research, patient safety and healthcare quality. Conduct of conferences and workshops would enable exchange programs between various disciplines.

**Collaboration with Manitoba Chemosensory Biology Group (University of Manitoba)**

This collaboration is aimed at developing salivary exosome protocols for detecting bitter receptors - G-protein-coupled receptors (GPCR) in pathological conditions.

**Collaboration with Ncare Solutions**

A master research collaboration agreement was signed with Ncare. Ncare and AHERF are working to develop dendritic cell vaccine/dexosomes.

**Guru Nanak Institutions**

AHERF has undertaken a retrospective study in collaboration with Guru Nanak Institutions in the field of Medical Imaging. The study is aimed at clinical validation of image fusion protocol. Image fusion protocols, enable better tissue discrimination. Currently, the data is being analyzed for validating the algorithm developed by Guru Nanak Institutions.

**Collaboration with CSIR-IICT, Hyderabad**

With this collaboration, AHERF and CSIR-IICT aim to develop:
- Exosome and exosome mimetic drug delivery systems
- Dendritic cell-based vaccine

**Collaboration with Mitra Biotech**

Mitra Biotech, a midsized biotechnology firm offering personalized chemosensitivity assay based on tumors response to oncology drugs invitro. The major aims of the collaboration are two-folds:
- Develop and enhance Mitra Biotech “CanScript” assay with exosome platform
- Repurpose old drugs for new oncology applications using MitrasCanScript and AHERF exosome platform
Collaboration with Stemcyte India

Stemcyte provides a complete stem cell solution from banking to application and treatment. AHERF and Stemcyte undertook a collaborative research agreement to establish exosome therapeutics from cord blood. The project would lead to novel cell free regenerative medicine for treating cardiology and oncology complications.

Collaboration with Nizams Institute of Medical Science

The collaboration is to develop exosomal therapeutics. This collaboration would lead to access of clinical samples outside Apollo Hospitals.

Collaboration with Sanofi

Sanofi, a leading multinational pharmaceutical company, with innovative research initiatives is working on collaboration with Apollo Hospitals for translational research in the areas of disease biology, target identification and validation, drug effects and drug-drug interaction, clinical trials and training programs. Sanofi jointly conducts a list of GCP workshops and other program such as pharmacovigilance, medical writing, monitoring, audits, inspection and regulatory subjects in association with AHERF.

Collaboration with Pfizer

Pfizer, a leading multinational pharmaceutical company is working with Apollo Hospitals and has selected their sites as part of the global INSPIRE program. This program enables the sites to obtain the feasibility of any Pfizer clinical study planned for India. The Chennai, Hyderabad and New Delhi centres of Apollo Hospitals are a part of the INSPIRE sites.

Comparative population studies in chronic diseases, understand various aspects of wellness, disease progression

AHERF signed an MOU with the research division of a Canada based public hospital to undertake comparative population studies in chronic diseases, understand various aspects of wellness, disease progression and treatment for individuals in South-Asian population along with Caucasians, and to identify unique services delivery models.

Collaboration with IIT, Hyderabad

The aim of the collaboration is to develop/ foster

- Advanced Drug delivery systems using exosomes
- Development of microfluidics approaches to quantify extracellular vesicles.

Jamia Hamdard University, New Delhi

MoU was signed with the Hamdard University with a focus to enhance the educational and training in research. The objective of the cooperation is to provide opportunities for staff and students of both institutions for exchange of knowledge through seminars/ workshops and meetings.

Maulana Azad University, Jodhpur

A MoU was signed with the School of Public Health of the University, to facilitate the internship on hospital operations and provide a short term certificate course on pharmacovigilance. This initiative was undertaken for the benefit of national and international students pursuing Masters Degree in Hospital Administration with Jodhpur School of Public Health. Ten international students completed their training and observership program at Indraprastha Apollo Hospitals in 2019.

AHERF Incubated Companies

Sapien Life Science - This start-up seeded at AHERF, is working independently working since the last 5 years for developing bio-banks for research purpose.

Urvogelbio - A biotechnology start-up incubated at AHERF is developing non-invasive diagnostics for Dementia. This company’s mission is to develop early, non-invasive screening panel to detect populations at risk for Alzheimer’s disease and other neurodegenerative disorders.
Sephirah – This start-up company incubated at AHERF and ARI provides support for conduct of clinical trials for the proposed research. This start-up has been able to raise seed capital in the form of Biotechnology Ignition Grant (BIG) from Department of Biotechnology. Sephirah with the start-up grant would be developing salivary diagnostics for detecting HPV positive cancers.

**Faculty Development Projects**

This program proposes to establish a research culture at Apollo Hospitals. Consultants at Apollo Hospitals submit their research proposals for consideration in this program.

Projects are granted sanction on the fulfilment of the following pre-requisites:

- Development of full proposal for extramural support
- Submission of paper for publication
- Presentation of data at national/international meetings

**Measurable elements of success include:**

- Number of publications
- Amount of extra-mural grants generated.

Five studies were approved in 2019 and were initiated after the approval of Ethics Committee.

**Apollo Research and Innovations (ARI)**

Apollo Research and Innovations (ARI) focuses on scouting, evaluating, deploying and integrating innovations across Apollo Hospitals. Innovations span across drugs, devices, healthcare software or consumer goods of clinical relevance. ARI provides an end to end platform for converging clinical insights, technology and business to spawn innovation and research within the Apollo Hospitals ecosystem.

ARI has a comprehensive ecosystem to undertake clinical studies for sponsored drug trials, devices, software as well as consumer goods. Apollo Hospitals currently is India’s single largest clinical site solutions organization and has undertaken over 1150 clinical studies over ten therapeutic areas. The dedicated team for undertaking these clinical studies consists of over 80 professionals located across 14 different Apollo Hospitals. This competence has been further evolved to extend co-development capabilities and augmenting creative business models.
ARI Vision

The vision of ARI is to foster innovation in technology, therapy, processes and business models to achieve greater access, affordable costs and global quality standards.

Work Scope

ARI works across a diverse set of focus areas namely – clinical studies, clinical research training program, evaluation and/or pre-market validation studies, device and software validation studies and co-development, basic and translational research, public health studies, personalized medication and healthcare innovation through creative collaborations.

Clinical Research- Overview

Institutional Ethics Committee

- Institutional Ethics Committee – Clinical Studies

ARI provides expert advice and recommendations to the research sites on various aspects of ethical conduct of clinical research. This enables the centres to comply with the stringent regulatory changes. The ethics committees are registered with DCGI. The ethics committees at the following Apollo Hospitals locations- Ahmadabad, Bhubaneswar, Chennai, Hyderabad, Madurai and New Delhi have received their NABH accreditation.

- Institutional Ethics Committee – Bio Medical Research

As per the latest regulatory guidelines, ARI at various centres has constituted a separate ethics committee for biomedical research in compliance with ICMR guidelines. This committee reviews proposals pertaining to the academic, collaborative research proposals, investigator driven research studies and healthcare research.

- Institutional Committee for Stem Cell Research (IC-SCR)

IC-SCR has been formed at Apollo Hospitals at Chennai and New Delhi to review and approve the stem cell research proposals as per DBT-ICMR guidelines. The committees are registered with National Apex Committee (NAC) and Department of Biotechnology (DBT). The chairpersons of the respective committees at each institution ensure the conduct of meetings as per the standard protocols to review all stem cell related projects.

Experiences in Clinical Trials

ARI has vast experience in ethical conduct of clinical trials, clinical research studies, registries and data collection studies, validation studies, investigator initiated research studies, non-clinical studies, basic research studies and translational research studies. ARI has the experience of conducting over 1150 clinical studies over the last 19 years across 17 locations Pan India. Eight percent of these studies are in Phase II, 65% in Phase III, 21% in phase IV and the rest 6% are registries/data collection studies for trials in cardiology, oncology, diabetology, neurology, orthopaedics, nephrology, and other therapeutic disciplines. Currently 150 clinical trials are on-going in the fields of oncology, cardiology, nephrology and other therapeutic areas.

Device Studies

ASHA+ commercialised at Apollo Hospitals - ARI successfully conducted a validation study of vitals monitoring device ASHA+ at Apollo Hospitals Chennai. The study showed a seamless connectivity with the current point of care (POC) devices being used at Apollo Hospitals for vitals monitoring. About 1000 participants were tested on parameters such as temperature, blood pressure, heart rate, oxygen saturation, random blood sugar, ECG, stethoscope. ASHA+ is currently being used by Apollo Telehealth Services (ATHS) for providing early screening and diagnosis of non-communicable diseases.

CNOGA- A validation study was conducted to evaluate the performance of TensorTip MTX in comparison to standard POC devices used at Apollo Hospitals in measuring the vital signs. The novel non-invasive fingertip device measured six vital parameters based on real time colour image sensor by...
photographing the fingertip tissue. The device was tested at two centres in Hyderabad on over 300 patients for the measurement of physiological and haematological parameters.

**SALCIT device for asthma diagnosis** – Salcit Tech relies primarily on respiratory sound (cough and wheeze) characteristics and provides non-invasive, lab free technique of early screening and recovery monitoring services. The technique addresses some known gaps in accurate and differentiated diagnosis of chronic respiratory diseases (CRD's). Over 100 patients participated in the study.

**ARI Facilitated Studies**

**Lipo Test** – ARI conducted and coordinated a validation study on Lipo Test meal as a diagnostic tool for determining the cardiovascular risk factor in patients with risk for metabolic syndrome. The study enrolled 850 patients with specific criteria and the outcomes showed that 20% of the patients still had CV risk inspite of the statin usage.

**Apollo-Abbott Registry** – The objective of the registry is to evaluate the risk factor for CAD in patients undergoing healthcheck with high sensitivity Troponin I as predictive marker. The study is initiated in six of Apollo Hospital centres. The outcome of the study aims to include HS Troponin I as a routine marker in health check.

**Apollo Cardiovascular Registry** – This is a multicentre prospective observational study on cardiovascular risk factors. This study aims to build an intuitive model based on artificial intelligence and deep learning algorithms and is compared to traditional risk score frameworks like Framingham Risk Score. The study was conducted at across nine Apollo Hospitals units across India.

**Credence Genomics NGS (Next Generation Sequencing) set up** – ARI coordinated the validation of the technology introduced by Micro - Genomics, division of Credence Genomics - a Sri Lankan genomics company. The study involved validation of NGS technique for diagnosis of infectious disease pathogens with a sensitivity of over 90 % and TAT of 36 hours both for bacterial and fungal infections. This technique would be helpful for mixed infections where organisms cannot be identified. This has the potential to reduce anti-microbial resistance by enabling the early choice of right antibiotics.

**Clinical Research Training – Overview**

The objective of this initiative is to train and equip young professionals with the critical skills needed to develop and promote scientifically valid and ethically appropriate clinical research. This is also aimed at collaborating with the industry leaders and giving hands on experience to acquire expertise in the area of clinical research. The following are the courses run:

- **Advanced Post Graduate Diploma in Clinical Research (APGDCR)** – One-year full time program with six months of theory and six months of internship

- **Post Graduate Diploma in Clinical Research (PGDCR)** – Six months full time program with three months of theory and three months of internship

- **Advanced Professional Course in Clinical Research (APCCR)** – Nine months part time program with six months of theory and three months of internship

**Apollo Research and Innovations– New Initiatives**

**Hack- A-Way – Apollo Innovation Quest (AIQ)**

In order to encourage ideas and innovations in healthcare, a first of its kind hackathon, 'Apollo Hack-a-Way' was organised and was based on the theme: "Real Ideas, Real Innovations" The event focused on finding innovative and cost-effective tech-enabled
solutions for problems faced by hospitals. The event was attended by participants from Medtronic’s, Microsoft and Philips.

Apollo Medicine

Apollo Medicine, official journal of Apollo Hospitals is a peer reviewed and indexed journal and being published by Wolters Kluwer in both print and electronic formats. Apollo Medicine (ISSN No 0976-0016) provides a platform for researchers as well as clinicians ever since its inception in September 2004.

The journal is published quarterly (March, June, September and December) and is distributed to all consultants and doctors of Apollo Hospitals, all medical colleges across the country, libraries and various subscribers around the world. Current and all previous issues of the journal can be accessed at www.journalonweb.com/am/ and 62 issues have been published so far.

The Journal accepts the following categories of manuscripts:

- Editorials
- Original articles
- Review articles
- Case reports
- Journal scans
- Technology update
- Technology in medicine
- Interesting case pictures
- Interesting case videos
- Manuscripts on patient safety and quality in healthcare

International Clinical Trial Day

In order to mark the occasion of International Clinical Trials Day on 19th May 2019, a walkathon was organized by jointly ARI, Cliniosol, ISCR, Vigilare, Biopharm and CRBIO. The aim was to create awareness about clinical research in public. ARI unit at Apollo Hospitals, Ahmedabad provided educational assistance to the under privileged school children on this day as a part of community service program.

Apollo Hack-a-Way- a first of its kind hackathon

International Clinical Trials Day
• A brief on different national programmes of the Government

• Manuscripts on medico legal cases/lessons for doctors/ manuscripts on ethics, manuscripts on common psychiatry disorder

• Protocols and clinical guidelines from the leading hospitals/professional societies

• Letter to the editor

The page view of Apollo Medicine reached from 80469 in 2018 to 105829 in 2019 and the article downloads has shown an upward trend from 38687 in 2018 to 49250 in 2019.

Adjunct Titles of Professorships and Associate Professorships of Apollo Hospitals Educational and Research Foundation (AHERF)

Policy of grant of Adjunct Title of Professor and Associate Professor of AHERF was implemented in the year 2012 in order to boost the state of academics and research across Apollo Group.

Senior faculty members from Apollo Hospitals Group, who have an active interest in academics and research are nominated for the grant of these Adjunct Titles.

One hundred and forty consultants have been conferred with Adjunct Title of Professor and Associate professor of AHERF in various specialities covering Anaesthesiology, Allergy and Immunology, Biochemistry, Cardiology, CTVS, Critical Care Medicine, Colorectal surgery, Community Medicine, Dermatology, Endocrinology and Diabetology, Emergency Medicine, ENT and Head and Neck Surgery, Gastroenterology and Hepatology, Minimal Access surgery, Gynecology, Genetic Medicine, General Surgery, Hand and Microvascular Reconstructive Surgery, Head and neck oncology, Hematology, Infectious Disease, Internal and Hyperbaric Medicine, Interventional Cardiology, Infectious Diseases, Liver Transplant, Molecular Biology, Microbiology, Nephrology, Neuroanesthesia, Neurology, Neurosurgery, Nuclear Medicine, Oncology, Orthopedics, Orthopaedics and Joint Replacement Surgery, Pediatrics, Pediatric Neurosurgery, Pediatric Cardiology, Pediatric Cardiac Surgery, Pediatric Gastroenterology and Hepatology, Pediatric Surgery, Paediatric Intensive Care, Paediatric Neurology, Paediatric Nephrology, Pediatric and Adolescent Endocrinology, Plastic Surgery, Pulmonology, Radiology, Respiratory Medicine, Rheumatology, Surgical Gastroenterology, Transfusion Medicine, Tropical medicine, Urology and Transplant surgery.

This Report carries the names of only those consultants who were conferred Title of Adjunct Professor and Associate Professor of AHERF in the
year 2019. The names of remaining Adjunct title holders were mentioned in the Apollo Excellence Report of previous respective years. Total list of consultants currently holding the Adjunct Title of Professor and Associate Professor of AHERF was circulated across Apollo Hospitals consultants on 15th November 2019.

List of consultants conferred with Adjunct title of Professor and Associate Professor of AHERF in 2019 were:

1. Dr Akshat Pandey
   Rheumatology
   Apollo Hospitals, Indore
   Associate Professor

2. Dr Arshad Akeel Chennur
   Internal Medicine
   Apollo Main Hospitals, Chennai
   Associate Professor

3. Dr Ashok Kumar Dutta
   Pediatrics
   Indraprastha Apollo Hospitals, Delhi
   Professor

4. Dr Debabrata Padhy
   Orthopedics and Joint Replacement
   Apollo Hospitals, Bhubaneswar
   Associate Professor

5. Dr F Abubacker Sulaiman
   Radiology
   Apollo Proton Cancer Centre, Chennai
   Professor

6. Dr Hena Butta
   Microbiology
   Indraprastha Apollo Hospitals, Delhi
   Associate Professor

7. Dr IPS Kochar
   Pediatric and Adolescent Endocrinology
   Indraprastha Apollo Hospitals, Delhi
   Professor

8. Dr Jayanth BN
   General Surgery
   Apollo BGS Apollo Hospitals, Mysore
   Associate Professor

9. Dr K Madhan Kumar
   CTVS
   Apollo Main Hospitals, Chennai
   Professor

10. Dr K R John
    Community Medicine
    AIMS, Chittoor
    Professor
11. Dr Kalaivani Ramalingam  
Obstetrics and Urogynaecology  
Apollo Main Hospitals, Chennai  
Associate Professor

12. Dr Koushik Lahiri  
Dermatology  
Apollo Gleneagles Hospital, Kolkata  
Professor

13. Dr Mohd. Iftekhar Ali  
Orthopedics  
Apollo Reach Hospitals, Karimnagar  
Associate Professor

14. Dr Nairuthya Shivathirthan  
GI Surgery  
Apollo BGS Hospitals, Mysore  
Professor

15. Dr Narahari MG  
Internal Medicine  
Apollo BGS Hospitals, Mysore  
Associate Professor

16. Dr Nilu Malpani Dhoot  
Radiology  
Apollo Gleneagles Hospital, Kolkata  
Associate Professor

17. Dr Rajkumar P Wadhwa  
Gastroenterology  
Apollo BGS Hospitals, Mysore  
Professor

18. Dr Rakesh Jalali  
Radiation Oncology  
Apollo Proton Cancer Centre, Chennai  
Professor

19. Dr Raman Sardana  
Microbiology  
Indraprastha Apollo Hospitals, Delhi  
Professor

20. Dr Saibal Moitra  
Allergy and Immunology  
Apollo Gleneagles Hospital, Kolkata  
Professor
Adjunct Titles of Clinical Tutorship, Distinguished Clinical Tutorship and Emeritus Clinical Tutorship of Apollo Hospitals Educational and Research Foundation (AHERF)

Policy of grant of Clinical Tutorship, Distinguished Clinical Tutorship and Emeritus Clinical Tutorship of AHERF was implemented in the year 2017 in order to boost the state of clinical training across Apollo Group.

Senior faculty members from Apollo Hospitals Group, who have an active interest in clinical training are nominated for an adjunct title post.

Twenty Seven consultants have been conferred with Adjunct title of "Clinical Tutor", 79 consultants with Adjunct title of "Distinguished Clinical Tutor" and two consultants with "Emeritus Clinical Tutor" across the Group.

This Report, carries the names of only those consultants who were conferred Adjunct titles of Clinical Tutor, Distinguished Clinical Tutor and Emeritus Clinical Tutor of AHERF in the year 2019. The names of consultants who were conferred Adjunct titles in 2017 and 2018 were mentioned in the Apollo Excellence Reports of respective years.
List of Apollo Hospitals Consultants conferred with Adjunct Titles of Clinical Tutors/ Distinguished Clinical Tutors/ Emeritus Clinical Tutor of (AHERF) in 2019 were:

1. Dr. Adosh Lall
   Periodontics and Implantology
   Indraprastha Apollo Hospitals, Delhi
   Distinguished Clinical Tutor

2. Dr. Aftab Ahmed
   Diabetology
   Apollo Hospitals, Secunderabad
   Distinguished Clinical Tutor

3. Dr. Alok Kumar Agrawal
   Internal Medicine
   Indraprastha Apollo Hospitals, Delhi
   Distinguished Clinical Tutor

4. Dr. Ankur Gupta
   Critical Care
   Apollo Hospitals, Indore
   Clinical Tutor

5. Dr. Asma Niloufer
   Biochemistry and Therapeutic Drug Monitoring
   Apollo Hospitals, Hyderabad
   Clinical Tutor

6. Dr. Dhanasekhar Kesavelu
   Pediatric Gastroenterology
   Apollo Children’s Hospital
   Distinguished Clinical Tutor

7. Dr. IPS Kochar
   Pediatric and Adolescent Endocrinology
   Indraprastha Apollo Hospitals, Delhi
   Distinguished Clinical Tutor

8. Dr. J Shyamala
   Neonatologist/ Pediatrics
   Apollo Children’s Hospital
   Distinguished Clinical Tutor

9. Dr. Jagadeesh Chandrasekaran
   Internal Medicine
   Apollo Hospitals, Chennai
   Distinguished Clinical Tutor

10. Dr. Jayanti Chanda Das
    Anesthesiology
    Apollo Hospitals, Guwahati
    Distinguished Clinical Tutor

11. Dr. Kirty Nahar
    Obstetrics and Gynecology
    Apollo Hospitals, Ahmedabad
    Distinguished Clinical Tutor
12. Dr. Lata Bhat  
Pediatrics and Neonatology  
Indraprastha Apollo Hospitals, Delhi  
Distinguished Clinical Tutor

13. Dr. Makrand G Nandapurkar  
Cardiothoracic surgery  
Apollo Hospitals, DRDO  
Distinguished Clinical Tutor

14. Dr. Md. Ibrarullah  
Gastroenterology  
Apollo Hospitals, Bhubaneswar  
Distinguished Clinical Tutor

15. Dr. Mohan Krishna  
Plastic Surgery  
Apollo Hospitals, Secunderabad  
Distinguished Clinical Tutor

16. Dr. Muralidhar Thondebhavi  
Subbaramaiah  
Anaesthesia and Pain Management  
Apollo Hospitals, Jayanagar  
Distinguished Clinical Tutor

17. Dr. N N Khanna  
Cardiology  
Indraprastha Apollo Hospitals, Delhi  
Distinguished Clinical Tutor

18. Dr. Nilom Khound  
General Medicine  
Apollo Hospitals, Guwahati  
Distinguished Clinical Tutor

19. Dr. Partha Saradhi  
Nephrology  
Apollo Hospitals, Chennai  
Distinguished Clinical Tutor

20. Dr. Raju Vaishya  
Orthopaedics and Joint replacement surgery  
Indraprastha Apollo Hospitals, Delhi  
Distinguished Clinical Tutor

21. Dr. Rakesh Periwal  
Critical Care Medicine  
Apollo Hospitals, Guwahati  
Distinguished Clinical Tutor
Clinical Fellowship of Apollo Hospitals Educational and Research Foundation

Clinical Fellowship accredited by Apollo Hospitals Educational and Research Foundation (AHERF) was started in the year 2013.

As per policy, these fellowships are being offered by Apollo in those specialties where no or limited training programs exist in India.

These fellowships are of 6 months, 1 year and 2 years' duration.
There is a defined eligibility criteria and duration of fellowship which is aligned to the intake months of post graduate and DNB entrance examinations. Candidates with MBBS qualification will also be eligible for certain fellowships.

Sixty-nine seats have been approved in the 46 specialties at 14 Apollo Group locations to run the Clinical Fellowship.

1. Stroke in Neurology
2. Cardiac/CTVS Anaesthesia
3. Endoscopy in Gastroenterology
4. Clinical Nephrology
5. Renal Dialysis
6. Transplant Nephrology
7. Interventional Pulmonology
8. Hyperbaric Medicine
9. Endocrinology
10. Head and Neck Oncologic surgery
11. Liver Transplant Anaesthesia
12. Liver Transplant and HPB surgery
13. Genitourinary surgery
14. Renal Transplant surgery
15. Interventional Cardiology
16. Radiation Oncology
17. Emergency Neurology
18. Transfusion Medicine
19. Developmental Pediatrics
20. Arthroscopy and Sport Medicine
21. Anaesthesiology
22. Implantation Otology
23. Pediatric and Adolescent Endocrinology
24. Minimal access & robotic surgery in Gynaecology
25. Hepatology
26. IVF
27. Clinical Genetics
28. Colorectal Surgery
29. Clinical Apheresis
30. Pediatric Cardiac Critical Care
31. Vascular/ Endovascular surgery
32. Breast Oncosurgery
33. Gynae Oncosurgery
34. Applied Clinical Medicine
35. Pediatric Urology
36. Nuclear Medicine
37. Diagnostic and Interventional Neuroradiology
38. Allergy and Clinical Immunology
39. Dermatopathology
40. Spine Surgery
41. Interventional Radiology
42. Dialysis
43. Critical Care Nephrology
44. Minimally invasive neurosurgery (Brain and Spine)- Guwahati
45. Coronary Imaging and Physiology
46. Adult interventional cardiology

Apollo Hospitals locations where Clinical Fellowship of AHERF have been approved

1. Delhi
2. Bangalore
3. Bilaspur
4. Pune
Training

Training is being conducted as per teaching/training schedule prepared by the supervisor/guide and subsequently approved by AHERF.

There is a defined process of training which includes:

1. Hands on training by observing procedures and surgeries, case presentation during clinical meetings, observations, training through simulator and videos

2. Clinical training is imparted through Clinical Meetings/ CMEs/ Departmental Meetings/ Symposiums and bed side case presentation. Fellows can join Journal club.

Final Examination/ Evaluation

There is a defined process of final examination/evaluation. Final examination is being conducted at the end of the six months/one year/two years (depending upon the duration of fellowship program) of fellowship program by one external examiner and one internal examiner.

Clinical fellows who successfully complete their training and examination, are conferred with certificate of Clinical Fellowship of AHERF in the respective speciality.

Names of candidates who have completed their Clinical Fellowship in 2019 were:

1. Dr. Amit Kumar
   Liver Transplant Anaesthesia
   Indraprastha Apollo Hospitals, Delhi
   Name of Guide/ Consultant
   Dr. Sanjeev Aneja

2. Dr. Dinesh Mohan Chaudhari
   Stroke
   Indraprastha Apollo Hospitals, Delhi
   Name of Guide/ Consultant
   Dr. P. N. Renjen

3. Dr. Farha Khan
   Pediatric Cardiac Intensive Care
   Indraprastha Apollo Hospitals, Delhi
   Name of Guide/ Consultant
   Dr. Reetesh Gupta

4. Dr. Pawar Dinesh Tukaram
   Liver Transplant Anaesthesia
   Indraprastha Apollo Hospitals, Delhi
   Name of Guide/ Consultant
   Dr. Sanjeev Aneja

5. Dr. Priyanka Mittal
   Cardiac Anesthesia
   Apollo Hospitals, Hyderabad
   Name of Guide/ Consultant
   Dr. U Srinivas
Recognition of Published Papers

Policy on "Recognition of published papers" was institutionalized in the year 2009 to encourage an academic and research milieu in the organization by recognizing published papers in reputed peer reviewed journals by consultants, junior medical staff, DNB trainees and nursing staff.

Apollo Hospitals encourages consultants, junior Medical staff, DNB trainees and nursing department to undertake research activities in their areas of expertise and publish papers in indexed National and International Journals having impact factor. Apollo Hospitals recognizes this achievements of publishing research papers with cash award and citation from Chairman.

Papers are recognized based on impact factor and merit of research.

Three hundred and sixty-nine papers of Apollo Group consultants were recognized either with a cash awards along with citation or only with citation from Chairman during 2019.

There has been a consistent increase in number of papers received for recognition.
1. Anti-drug antibodies and low serum trough infliximab levels correlate with disease activity measures in spondyloarthritis patients on on as-needed infliximab treatment


Publishing journal and date: Int J Rheum Dis, September 2019

Dr. Abhishek Vaish, (Attending consultant), Orthopedics, Delhi

2. Three-Dimensional-Printed Polyether Ether Ketone Implants for Orthopedics

Authors and Co-authors details: Orthopedics Abid Haleem, Mohd Javaid, Abhishek Vaish, Raju Vaishya

Publishing journal and date: Ind J Orthop, 2019

3. Chondrocalcinosis: A common but poorly understood joint disease

Authors and Co-authors details: Siddhartha Gupta, Abhishek Vaish, Raju Vaishya

Publishing journal and date: Apollo Medicine, 2018

4. Reverse shoulder arthroplasty after failed megaprosthesis for osteosarcoma of the proximal humerus: A case report and review of literature

Authors and Co-authors details: V. Singh Chauhan, Abhishek Vaish, Raju Vaishya

Publishing journal and date: Journal of Clinical Orthopaedics and Trauma, 2019

5. Spinal Decompression and Instrumented Fusion in an Elderly Woman: A Case Report and Literature Review

Authors and Co-authors details: Abhishek Vaish, Prabin Nepal, Raju Vaishya

Publishing journal and date: Apollo Medicine, 2018

6. Joint preservation in a middle-aged man with knee osteoarthritis, using novel techniques

Authors and Co-authors details: Seyawash Fooladi, Abhishek Vaish, Yash Nigam, Raju Vaishya

Publishing journal and date: Apollo Medicine, 2019

7. Virtual preoperative planning and 3D printing are valuable for the management of complex orthopaedic trauma

Authors and Co-authors details: Mishra A, Verma T, Vaish A, Vaish R, Vaishya R, Maini L

Publishing journal and date: Chinese J Tr, September 2019

8. Knee and the farm animals - An unusual presentation of Brucella melitensis masquerading as Tuberculosis

Authors and Co-authors details: Sardana R, Vaish A, Merh A, Rani H, Vaishya R

Publishing journal and date: Ind J Med Microb, 2019

9. Langerhans Cell Histiocytosis of the metatarsal bone in an adult female- A rare case report and literature review

Authors and Co-authors details: Vaish A, Singh LK, Vaishya R, Kashyap V

Publishing journal and date: BMJ Case Reports, 2019

10. A critical review of Proximal Fibular Osteotomy for Knee Osteoarthritis.

Authors and Co-authors details: Vaish A, Kathiriya YD, Vaishya R

Publishing journal and date: Arch Bone Jt Surg, 2019

Dr. Adithya GK, (DNB Trainee), GI Surgery, Delhi

11. Malignant masquerade sclerosing mesenteritis: A case report and review
Authors and Co-authors details: Adithya G K, Satya Prakash Jindal, and Deepak Govil

Publishing journal and date: International Journal of Surgery Case Reports, November 2018

12. Celiac axis stenosis in a patient undergoing pancreateoduodenectomy

Authors and Co-authors details: GK Adithya, Satya Prakash Jindal, Varun Madaan, Chitra Singh, Sandeep Vohra, Vivek Tandon, Deepak Govil

Publishing journal and date: Apollo Medicine, 2018

Dr. Aditya Choudhary, Neurology, Kolkata

13. Necklace body myopathy: A rare intity

Authors and Co-authors details: Aditya Choudhary, Saurabh Bansal, Louis Gasper, Majoj Goyal, Manish Modi

Publishing journal and date: Neurology India, May-June 2018

14. Simultaneous bilateral hypertensive thalamic hemorrhage: A rare event

Authors and Co-authors details: Aditya Choudhary, Majoj Goyal, Rajveer Singh

Publishing journal and date: Neurology India, March-April 2018

15. The Eye opener: finding and targeting the midbrain lesion

Authors and Co-authors details: Aditya Choudhary, Rajveer Singh, Majoj Goyal, Manish Modi

Publishing journal and date: Neuro-ophthalmology, 2018

16. Froin Syndrome

Authors and Co-authors details: Aditya Choudhary, Majoj Goyal, Manish Modi, Kanchan, Chirag Ahuja, Vivek Lal

Publishing journal and date: Journal of post graduate medicine, education and research, 2018

Dr. AHM Waliul Islam, Cardiology-Interventional, Dhaka

17. Fractional Flow Reserve (FFR) guided Percutaneous Coronary Intervention (PCI) to Avoid Inappropriate Stenting in Patient with Angiographically Significant Stenotic Coronary Artery Lesion–Our Experiences at Apollo Hospitals Dhaka

Authors and Co-authors details: AHM Waliul Islam, Shams Munwar, Azfar Hossain, AQM Reza, Sahabuddin Talukder, Tamzeed Ahmed, Kazi Atiqur Rahman

Publishing journal and date: Bangladesh heart j Vol. 34: Issue No. 1, January 2019

18. Clopidegrol Resistance in Patients Undergoing Percutaneous Coronary Intervention (PCI): our experiences at Apollo Hospitals Dhaka

Authors and Co-authors details: AHM Waliul Islam, Shams Munwar, Azfar Hossain, AQM Reza, Sahabuddin Talukder, Tamzeed Ahmed and Mizanur Rahman

Publishing journal and date: Cardiovascular Journal, 2019

Dr. Ajit Pai, Oncology-Surgical, Apollo Cancer Institute, Chennai

19. Rectal dissection simulator for da vinci surgery: details of simulator manufacturing with evidence of construct, face, and content validity

Authors and Co-authors details: George Melich, Ajit Pai, Ramy Shoela, Kunal Kochar, Supriya Patel, John Park, Leela Prasad, Slawomir Marecik

Publishing journal and date: Diseases of the Colon and Rectum, 2018
Dr. Akshat Pandey, Internal Medicine, Indore

20. Methotrexate: CIRTified for preventing atherosclerotic events?
Authors and Co-authors details: Dr. Akshat Pandey, Dr. Mohit Goyal

Publishing journal and date: Journal of Royal college of physicians, Edinburgh (JRCPE), 2019

21. Clinical manifestations of chikungunya fever in patients with ankylosing spondylitis
Authors and Co-authors details: Akshat Pandey

Publishing journal and date: Indian Journal of Rheumatology(IJR), September 2018

22. Oral manifestations of autoimmune connective tissue diseases
Authors and Co-authors details: Akshat Pandey, Mimansa Pandey, Ved Prakash Pandey, Vinod Ravindran

Publishing journal and date: Indian Journal of Rheumatology, July 2018

Dr. Amit Kumar Agarwal, Orthopedics, Delhi

23. Growth modulation by hemi epiphysiodesis using eight-plate in Genu valgum in Paediatric population
Authors and Co-authors details: Raju Vaishya, Malkesh Shah, Amit Kumar Agarwal, Vipul Vijay

Publishing journal and date: J Clin Orthop Trauma, October –December 2018

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Authors and Co-authors details: Raju Vaishya, Anuj Raj Bijukchhe, Amit Kumar Agarwal, Vipul Vijay

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Authors and Co-authors details: Raju Vaishya, Anuj Kumar Agarwal, Manish Tiwari, Abhishek Vaish, Vipul Vijay, Yash Nigam

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Authors and Co-authors details: Raju Vaishya, Amit Kumar Agarwal, Vipul Vijay, Manish Kumar Tiwari

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Authors and Co-authors details: Dix DB, Araoye Staggers JR, Lin CP, Shah AB, Agarwal AK, Naranje SM


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Authors and Co-authors details: DeBell H, Pinter Z, Pinto M, Bergstresser S, Lee S, de Cesar Netto C, Shah A, Naranje S, Agarwal AK

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Dr. Anand S Iyer, Pediatric Neurology, Ahmedabad

29. Enhancing practitioners’ confidence in recruitment and consent in the EcLiPSE trial: a mixed-method evaluation of site training – a Paediatric Emergency Research in the United Kingdom and Ireland (PERUKI) study
Authors and Co-authors details: Kerry Woolfall, Louise Roper, Amy Humphreys, Mark D. Lyttle, Shrouk Messahel, Elizabeth Lee, Joanne Noblet, Anand Iyer,
30. Levetiracetam versus phenytoin for second-line treatment of paediatric convulsive status epilepticus (EcLiPSE): a multicentre, open-label, randomised trial

Authors and Co-authors details: Mark D Lyttle, Naomi E A Rainford, Carrol Gamble, Shrouk Messahel, Amy Humphreys, Helen Hickey, Kerry Woolfall, Louise Roper, Joanne Noblet, Elizabeth D Lee, Sarah Potter, Paul Tate, Anand Iyer, Vicki Evans, Richard E Appleton

Publishing journal and date: Trials journal, Biomed Central, 2019

31. Open resection of hypothalamic hamartomas for intractable epilepsy revisited, using intraoperative MRI

Authors and Co-authors details: Libby van Tonder, Sasha Burn, Anand Iyer, Jo Blair, Mohammed Didi, Michael Carter, Timothy Martland, Conor Mallucci

Publishing journal and date: Child’s Nervous System, September 2018

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Authors and Co-authors details: Anjan Bhattacharya

Publishing journal and date: EC Paediatrics, Vol. 8: Issue 9, 2019

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Authors and Co-authors details: Apurva Shah, Shravan Bohra, Megha Shah

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Authors and Co-authors details: Apurva S. Shah, Shravan Bohra

Publishing journal and date: Journal of digestive endoscopy, 2018


Authors and Co-authors details: Apurva Shah, Shravan Bohra

Publishing journal and date: Apollo Medicine, 2019

37. Postmenopausal woman with ovarian yolk sac tumor and associated mucinous carcinoma: a case report and review of literature

Authors and Co-authors details: Dr. Archana Lakshmanan, Histopathology, Apollo Cancer Institute, Chennai
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Authors and Co-authors details: Patil AR, Nandikoor S, Padilu R

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Authors and Co-authors details: Patil AR, Kalliath L, Nandikoor S

Publishing journal and date: Apollo Medicine, 2018

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Authors and Co-authors details: Patil, A.R., Nandikoor, S., Mohanty, H.S

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Authors and Co-authors details: Aruna R Patil, Shrivalli Nandikoor, Shilpa Chaitanya Reddy

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Authors and Co-authors details: Sruthi J, Shrivalli N, Aruna Raman P and Ashitha S

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Authors and Co-authors details: Ashitha S, Nandikoor S, Patil AR, Jacob S, Narayan A
**Publishing journal and date:** Apollo Medicine, 2019

**Dr. Bindu Menon, Neurology, Nellore**

48. Disappearing lesion of spinal cord

**Authors and Co-authors details:** Bindu Menon; Gayatri Manam

**Publishing journal and date:** Journal of Clinical Images, April 2019

49. Transient splenium lesion

**Authors and Co-authors details:** Bindu Menon; Gayatri Manam; Rupa Akurapi

**Publishing journal and date:** Journal of Clinical Images, February 2019

50. Stroke in Elderly

**Authors and Co-authors details:** Dr. Bindul Menon

**Publishing journal and date:** Indian journal of geriatric care, 2018

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**Authors and Co-authors details:** Bindu Menon and Ramalingam Krishnan

**Publishing journal and date:** J Neurosci Rural Pract, July – September 2018

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**Authors and Co-authors details:** Bindu Menon Krishnana Ramalingam Vamsi Krishna

**Publishing journal and date:** Ann Neurosci, 2018

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**Authors and Co-authors details:** Bindu Menon is the 3rd author along with other 11 authors

**Publishing journal and date:** Journal of Stroke and Cerebrovascular Diseases, 2019

**Dr. C Jagadeesh, Internal Medicine, Chennai**

54. Disseminated Nocardiosis in a Young Female Immunocompromised of Systemic Lupus Erythematosus with Successful Treatment - A case report

**Authors and Co-authors details:** Dr. C Jagadeesh, Shobana Paulraj, Mathi Manoj Kumar

**Publishing journal and date:** International Journal of Medical science and Innovative research (IJMSIR), March 2019

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**Authors and Co-authors details:** Dr. C Jagadeesh, Jovitha Preethi, Mathi Manoj Kumar, P Senthul Nambi, Ram Gopalakrishnan

**Publishing journal and date:** International journal of current advanced research, 2019

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**Authors and Co-authors details:** C Jagadeesh, Jovitha PG

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**Dr. Chander Shekhar, Orthopedics, Delhi**

57. An innovative technique in local antibiotic delivery method in open infected wounds of the musculoskeletal system

**Authors and Co-authors details:** Chander Shekhar

**Publishing journal and date:** The International journal of lower extremity wound, May 2019

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Authors and Co-authors details: Chander Shekhar, Abhinav Aggarwal, Ravi Kumar Chittoria, Praveen Upadhyay, Vinayak Chavan, Saurabh Gupta

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Dr. Chandrika Dutt, Anesthesia, Bangalore

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Authors and Co-authors details: Dev AN, Lohith U, Pascal B, Dutt CS, Dutt SN

Publishing journal and date: Cochlear Implants International, June 2018

Dr. CN Patil, Oncology-Medical, Bangalore

60. Bone marrow limited diffuse large B-cell lymphoma following prolonged immunosuppressive therapy with methotrexate and corticosteroids

Authors and Co-authors details: Dhiman P, Anoop P, Patil CN.

Publishing journal and date: South Asian J Cancer, July 2018

Dr. Deepa Passi, Pediatrics, Noida

61. Socio ecological determinants of drug use

Authors and Co-authors details: Deepa Passi

Publishing journal and date: Indian Journal of Adolescent Medicine, June 2019

Dr. Dhanya Dharmapalan, Paediatric Infectious diseases, Navi Mumbai

62. An ethical appraisal of the choice of vaccines against Poliomyelitis

Authors and Co-authors details: T Jacob John, Dhanya Dharmapalan

Publishing journal and date: Indian Journal of Medical Ethics, Vol IV: Issue, January-March 2019

63. Point prevalence surveys of antimicrobial use among eight neonatal intensive care units in India: 2016

Authors and Co-authors details: Dhanya Dharmapalan-10th co-author with 16 other authors

Publishing journal and date: International Journal of Infectious Diseases, Vol. 71, 2018

64. Whole genome shotgun sequences of Streptococcus pyogenes causing acute pharyngitis from India

Authors and Co-authors details: Dhanya Dharmapalan, FrancisYesurajanInbanathan, Suhas Kharche, Asmita Patil, Shrikrishna Joshi, Vijay Yewale, Jones Lionel Kumar Daniel, Kamini Walia, Balaji Veeraraghavan

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Dr. Dinesh Mohan Chaudhari, (Clinical Associate/Associate Consultant), Neurology, Delhi

65. Thrombolysis in elderly patients

Authors and Co-authors details: Dr. Dinesh Chaudhari, Pushpendra N Renjen

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Authors and Co-authors details: Dinesh Mohan Chaudhari, Pushpendra Nath Renjen1, Kamal Ahmad

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67. A Review Of Intracranial Hypertension

Authors and Co-authors details: Dr. Dinesh Chaudhari, Pushpendra N
68. Atrial Myxoma - A Rare Cause of Stroke (Case Series)

Authors and Co-authors details: Pushpendra N Renjen, Dr. Dinesh Chaudhari

Publishing journal and date: International Journal of Scientific Research, June 2018

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Authors and Co-authors details: Dinesh Chaudhari, Pushpendra N Renjen, Anjali Mishra, Abhas Kumar

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Authors and Co-authors details: Charchit Gupta, Dinesh Chaudhari, Pushpendra N Renjen, Abhas Kumar, Anjali Mishra


71. Treatment perspectives for posterior circulation stroke

Authors and Co-authors details: Dinesh Chaudhari, Pushpendra N Renjen, Anjali Mishra Abhas Kumar


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Authors and Co-authors details: Chaudhari Dinesh Mohan, Renjen PN, Arora AS

Publishing journal and date: Neurology India, 2019

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Authors and Co-authors details: Dinesh Chaudhari, P N Renjen, R. Saini AS01-021

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Authors and Co-authors details: Dinesh Chaudhari, PN Renjen, CVS Ram. AS01-023

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Authors and Co-authors details: Dinesh Chaudhari, PN Renjen, Kamal Ahmad, Abhas Kumar. AS30-029.

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Authors and Co-authors details: Garg S, Chaudhari Dinesh M, Renjen PN, Mishra A, Kumar A, Pradhan R

Publishing journal and date: Apollo Medicine, 2019

Dr. Dipika Mohanty, Hematology, Bhubaneswar

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Authors and Co-authors details: Dipty Jain and Dipika Mohanty

Publishing journal and date: Current opinion in hematology, May 2018

Dr. G. Sengottuvelu, Cardiology, Chennai

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intervention in India – ACCESS RADIALTM: Clinical consensus recommendations in collaboration with Cardiological Society of India (CSI)

Authors and Co-authors details: Pravin K. Goela, Ajit Menonb, Ajit Sankardas Mulasaric, Ajit Kumar Valaparambild, Brian Pintoe, Dev Pahlajanif, M.S. hiremathg, Sengottuvelu Gunasekaranh, Vijay Kumar Trehanai, Rajpal K. Abhaichandj

Publishing journal and date: Indian Heart Journal, May 2018

79. Transfemoral transcatheater aortic valve implantation in bicuspid aortic valve with extreme horizontal aorta to left ventricle angulation challenges

Authors and Co-authors details: Sengottuvelu Gunasekaran, Raghul Ganesapandi, Muthukumaran Chinnasamy Sivaprakasam

Publishing journal and date: IHJ Cardiovascular Case Reports (CVCR), August 2018

80. TAVI in severe aortic stenosis with porcelain aorta: First reports from India with coronary and carotid support

Authors and Co-authors details: Sengottuvelu Gunasekaran, Muthukumaran Chinnasamy Sivaprakasam, Ganapathy Arumugam Chandrasekeran, C.S. Vijay Shankar, Periakaruppan Alagappan, Vinodh Kumar Paul Pandi

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Authors and Co-authors details: Sengottuvelu Gunasekaran, Raghul Ganesapandi, Muthukumaran Chinnasamy Sivaprakasam, Vijay Shankar Sadhasivam, Radhapriya yalamanchi, Vinodh Kumar Paul Pandi

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82. TCT 64-Two-Year Clinical and Imaging Outcomes of Thin Strut Sirolimus-Eluting Bioresorbable Vascular Scaffolds in De Novo Coronary Artery Lesions: The MeRes-1 Trial

Authors and Co-authors details: Sengottuvelu Gunasekaran-first author along with 18 other co-authors

Publishing journal and date: Journal of American College of Cardiology, September 2018

83. Transcatheter aortic valve replacement in India - Early experience, challenges, and outcomes from a single center

Authors and Co-authors details: Sengottuvelu Gunasekaran-first author along with 18 other co-authors

Publishing journal and date: Indian Heart Journal, October 2018

84. Corrigendum to “Cardiological Society of India position statement on management of heart failure in India”

Authors and Co-authors details: Multiple authors. Name of Dr. Sengottuvelu mentioned as number 66

Publishing journal and date: Indian Heart Journal, November 2018

85. Localization of focus by 18 fludeoxyglucose PET/CT in making definitive diagnosis of infective endocarditis (IE)

Authors and Co-authors details: Dr. G. Sengottuvelu

Publishing journal and date: Indian Heart Journal, November 2018

Dr. Gowrinath, Respiratory Mediene, Nellore

86. Para-mediastinal Vanishing Tumour

Authors and Co-authors details: K. Gowrinath and P.N. Kirankumar
87. Unusual presentation of Bochdalek hernia in an adult

Authors and Co-authors details: Karanam Gowrinath, Mohammed Ismail Nizami

88. An adult with bowel sounds in the chest

Authors and Co-authors details: Karanam Gowrinath, Manam Gayatri

89. Left-sided chylothorax due to tuberculosis in an adult

Authors and Co-authors details: K. Gowrinath, K. R. R. Umamahesh

90. Left-sided vanishing lung tumour: a rare case

Authors and Co-authors details: Karanam Gowrinath, Chinnangari Vijay Amaranatha Reddy

92. Time to detection of yeast isolates in pediatric and adult patients with fungemia and its relevance to clinical profile and outcome

Authors and Co-authors details: Hena Butta, Raman Sardana, Leena Mediratta, Anupam Sibal, Vidya Gupta, Rajesh Chawala, Ali Ammar Jafri

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Authors and Co-authors details: Hena Butta, Raman Sardana, Ashmita Grover, Leena Mediratta, Sudha Kansal and Neerav Goyal

94. Evaluation of bacterial inactivation in random donor platelets and single-donor apheresis platelets by the INTERCEPT blood system

Authors and Co-authors details: Raj Nath Makroo, Raman Sardana, Leena Mediratta, Hena Butta, Uday Kumar Thakur, Soma Agrawal, Mohit Chowdhry, Satendra Kumar, Sourit Chokroborty

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Authors and Co-authors details: Hena Butta, Raman Sardana, Leena Mediratta, Vyoma Singh, Sanjiv Jasuja, Havind Tandon, Vikas Kashyap

96. Unusual presentation of varicella zoster virus meningitis – role of molecular rapid diagnostics in diagnosis and antimicrobial stewardship

Authors and Co-authors details: Dr. Harish Kumar Dr. Vikrant Sharma

Dr. Hena Butta, Microbiology, Delhi
Authors and Co-authors details: Vinit Suri, Leena Mendiratta, Suranjit Chatterjee, Raman Sardana, Hena Butta

Publishing journal and date: Annals of Indian Academy of Neurology, April-June 2018

97. Bilateral adrenal histoplasmosis in a diabetic patient: a case report and review of cases in India

Authors and Co-authors details: Hena Butta, Suranjit Chatterjee, Leena Mendiratta, Kirti Gilotra, Lata Jadhav, Vijay Rawat, Raman Sardana

Publishing journal and date: Apollo Medicine, 2019

Dr. Himleena Gautam, (Sr. Registrar), Obstetrics/Gynecology, Guwahati

98. A Fatal Case of Acute Fatty Liver of Pregnancy with Mods

Authors and Co-authors details: Dr. K.K. Kathar, Dr. Himleena Gautam

Publishing journal and date: IOSR Journal of Dental and Medical Sciences (IOSR-JDMS), July 2018

Dr. Imron Subhan, Emergency Medicine, Hyderabad

99. Use of Drones (Unmanned aerial vehicles) for supporting emergency medical services in India

Authors and Co-authors details: Imron Subhan, Syed Safiuddin Ghazi, Syed Nabi

Publishing journal and date: Apollo Medicine, March 2019

Dr. JG Aishwarya, (Associate consultant), ENT, Bangalore

100. Peripheral T Cell Lymphoma of parotid gland - A diagnostic challenge

Authors and Co-authors details: Dr. Aishwarya Satish Nair C. N. PatilSwarna ShivakumarN. ShrivalliAshish Shah

Publishing journal and date: Indian J Radiol Imaging, January–March 2019

101. Otologic presentation of multiple myeloma with isolated temporal bone involvement: Diagnostic and therapeutic implications

Authors and Co-authors details: JG Aishwarya, Satish Nair, Parameswaran Anoop, Swarna Shivakumar, Aruna R Patil, Satish Babu

Publishing journal and date: Annals of Indian Academy of Otorhinolaryngology Head and Neck Surgery, 2019

Dr. Jitendra Parmar, Radiology, Ahmedabad

102. Ultrasound diagnosis of Exomphalos (Omphalocele): Differentiating Exomphalos from Normal Physiologic Gut Herniation and Gastroschisis

Authors and Co-authors details: Jitendra Parmar, Paresh Shah, Prashant Acharya, Sandip Shah, Tapan Patel, Bhoomi Angirish, Nishit Chaudhari

Publishing journal and date: Global Journal of Reproductive medicine, July 2018

103. Precisão do sinal do beijo na RM da coluna lombar em casos de hérnia do disco axial e a correlação cirúrgica: um estudo multicéntrico indiano

Authors and Co-authors details: Jitendra Parmar, Yash Gulati, Maulik Vora, Bhupesh Patel, Chander Mohan

Publishing journal and date: Revista Brasileira de Ortopedia, November–December 2018

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Authors and Co-authors details: Jitendra Parmar, Maulik Vora, Chander Mohan, Sandip Shah, Harsh Mahajan, and Tapan Patel

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Dr. Joy Narayan Chakraborty, Urology, Guwahati

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Authors and Co-authors details: Joy Narayan Chakraborty, Pradeep Hatimota

Publishing journal and date: Research and Reports in Urology, 2019

Dr. Jyoti Prasad Kalita, CTVS, Guwahati

106. Numerical Investigation of Blood Flow Characteristics through Cannulated Aorta

Authors and Co-authors details: Dheeman Bhuyan, P. Ramesh Babu, Jyoti Prasad Kalita

Publishing journal and date: Journal of Biomimetics, Biomaterials and Biomedical Engineering, August 2019

Ms. Jyoti Sharma, Nursing tutor, Delhi

107. A study to assess the factors influencing absenteeism among nursing students in the selected nursing school of New Delhi

Authors and Co-authors details: Ms. Jyoti Sharma, Ms. D. Maryline Flinsi

Publishing journal and date: ISOR Journal of nursing and health sciences, September-October 2019

Dr. Kalaivani Ramalingam, Obstetrician and Urogynaecologist, Chennai

108. Placental histopathological abnormalities and poor perinatal outcomes

Authors and Co-authors details: Lakshmi Thirumalaikumar, Kalaivani Ramalingam, Tamas Marton

Publishing journal and date: Royal College of Obstetricians and Gynaecologists, 2019

Dr. Koushik Lahiri, Dermatology, Kolkata


Authors and Co-authors details: Banashree Majumdar, Abhishek De, Soumyodhriti Ghosh, Amrita Sil, Aarti Sarda, Koushik Lahiri, Gobinda Chatterjee, Sudip Das

Publishing journal and date: International Journal of Trichology, 2018

Dr. Krishna G Seshadri, Diabetology and Endocrinology, Vanagaram

110. Correlation between Ultrasound-based TIRADS and Bethesda System for Reporting Thyroid-cytology: 2-year Experience at a Tertiary Care Center in India

Authors and Co-authors details: Golakrishnan Periaaruppan, Krishna G. Seshadri, Vignesh Krishna G. M, Rupesh Mandava, Venkata Sai P. M, Rajendiran S

Publishing journal and date: Indian Journal of Endocrinology and Metabolism-September-October 2018

111. Anaplastic cancer of thyroid: The viper in the pit

Authors and Co-authors details: Krishna G. Seshadri

Publishing journal and date: Indian J Endocrinol Metab, January-February 2019

112. Glucose metabolism type 2 diabetes mellitus and the thyroid-so near and yet.

Authors and Co-authors details: Krishna G. Seshadri

Publishing journal and date: Thyroid Research and Practice, 2019

113. Extending the clinician’s hand through thyroid ultrasound-od it yourself-for the uninitiated busts expertise?
118. Assessment of Occupational Exposure and Infection Prevention Control of H1N1 Influenza among Healthcare Workers: A Multicentre KAP Study in Western and Southern India

Authors and Co-authors details: Laxman G Jessani, Ram Gopalakrishnan, Shaoli Basu, Suresh D, S Nambi, Velupande, V Ramasubramanian

Publishing journal and date: Acta Scientific Microbiology, January 2019

Dr. Mahesh Goenka, Gastroenterology, Kolkata

119. A Randomized Trial of Topical Epinephrine and Rectal Indomethacin for Preventing Post-Endoscopic Retrograde Cholangiopancreatography Pancreatitis in High-Risk Patients


Publishing journal and date: American Journal of Gastroenterology, 2019

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Authors and Co-authors details: Goenka MK, Shah V, Rai V, Jajodia S, Goenka U

Publishing journal and date: Clinical Endoscopy, 2018

121. Endotherapy for pancreatic necrosis: An update

Authors and Co-authors details: Ashish K Jha, Mahesh K Goenka, Ramesh Kumar, Arya Suchismita

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Authors and Co-authors details: Goenka MK, Goenka U, Mujoo Y, Tiwary IK, Mahawar S, Rai V

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Dr. Mathi Manoj Kumar, (Registrar), General Medicine, Chennai

125. Ileal mucormycosis in an immunocompetent individual presenting as septic shock: one of its kind presentation

Authors and Co-authors details: Mathi Manoj Kumar; Jagadeesh C; Madhumita R; Ram Gopalakrishnan

Publishing journal and date: Journal of Medical Science and Clinical Research, August 2018

126. A rare presentation of pancytopenia with hemophagocytosis Lymphohistiocytosis: T cell/ Histiocyte Rich Large B Cell Lymphoma - a Case Report

Authors and Co-authors details: Mathi Manoj Kumar, Subramaniam JR, Prabu P

Publishing journal and date: International journal of medical science and innovative research, September 2018

127. Brucellosis induced acute hemolytic anemia in a severe vitamin B12 deficient individual presenting as pancytopenia: A case report

Authors and Co-authors details: Mathi Manoj Kumar, Subramony H

Publishing journal and date: International Journal of Current Advanced Research, September 2018

128. Adult onset Still’s disease and Graves’s disease co-existing in a young patient: a case report and review of literature

Authors and Co-authors details: Mathi Manoj Kumar, Arshar Akeel

Publishing journal and date: Indian journal of applied Research, Vol. 9: Issue 9, September 2018

Dr. Mathrubootham Sridhar, Pediatrics, ACH

129. Fecal Calprotectin as a Screening Marker for Inflammatory Bowel Disease

Authors and Co-authors details: Mathrubootham Sridhar and Dhanasekhar Kesavelu

Publishing journal and date: Indian Pediatrics, March 2019

Dr. Md Ibrarullah, Gastroenterology-Surgical, Bhubaneswar

130. Gallstone ileus of upper gastrointestinal tract: A case series

Authors and Co-authors details: Ibrarullah M, Samantaray PK, Meher S, Bruno W
135. Distribution of human papillomavirus genotypes in genital warts in patients attended a tertiary care hospital in Dhaka, Bangladesh

Authors and Co-authors details: Mizanur Rahman, Rummana Rahim, Abu Hasan, Jasmin Manzoor

Publishing journal and date: MOJ Public Health, 2019

136. Evaluation of novel rapid detection kits for dengue virus NS1 antigen in Dhaka, Bangladesh, in 2017

Authors and Co-authors details: Keita Suzuki, Emi E. Nakayama, Akatsuki Saito, Akio Egawa, Tairyu Sato, Juthamas Phadungsombat, Rummana Rahim, Abu Hasan, Hisahiko Iwamoto, Mizanur Rahman and Tatsuo Shioda

Publishing journal and date: Virology Journal, 2019

Dr. Mohsin Khan, (Research fellow), General surgery, Delhi

137. Transversus abdominis release (TAR)-when hope meets expectations

Authors and Co-authors details: Dr Mohsin Khan, Dr Aloy J Mukherjee

Publishing journal and date: International Journal of Scientific Research, April 2019

138. Hiatal hernia and morbid obesity-‘Roux-en-Y gastric bypass’ the one step solution

Authors and Co-authors details: Khan MJ, Mukherjee AJ

Publishing journal and date: J Surg Case Rep, June 2019

139. A comparative study of single layer interrupted closure versus single layer continuous with intermittent aberdeen's knots closure of laparotomy wounds

Authors and Co-authors details: Dr. Mohsin Khan, Dr. Anjani Jalaj, Dr. Amit Ojha
Publishing journal and date: International Journal of Scientific Research, June 2018

Dr. N N Khanna, Cardiology-Interventional, Delhi

140. Ranking of stroke and cardiovascular risk factors for an optimal risk calculator design: Logistic regression approach

Authors and Co-authors details: Dr. NN Khanna is the 4th author along with 18 other authors


141. The present and future of deep learning in radiology

Authors and Co-authors details: Dr. NN Khanna is the 7th author along with 14 other authors

Publishing journal and date: European Journal of Radiology, March 2019

142. A survey on coronary atherosclerotic plaque tissue characterization in intravascular optical coherence tomography

Authors and Co-authors details: Boi A, Jamthikar AD, Saba L, Gupta D, Sharma A, Loi B, Laird JR, Khanna NN, Suri JS

Publishing journal and date: Current Atherosclerosis Report, May 2018

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Authors and Co-authors details: Khanna NN, Jamthikar AD, Gupta D, Piga M, Saba L, Carcassi C, Giannopoulos A, Nicolaides A, Laird JR, Suri HS, Mavrogeni S, Protogerou AD, Sfikakis P, Kitas GD, Suri JS

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Authors and Co-authors details: Dr. NN Khanna is the 1st author along with 18 other authors

Publishing journal and date: Computers in Biology and Medicine, January 2019

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Authors and Co-authors details: Dr. NN Khanna is the 1st author along with 13 other authors

Publishing journal and date: Echocardiography: Journal of Cardiovascular Ultrasound and Allied Studies, February 2019

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Authors and Co-authors details: Dr. NN Khanna is the 12th author along with 16 other authors

Publishing journal and date: Computers in Biology and Medicine, October 2018

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Authors and Co-authors details: Sumit K. Banchhor, Narendra D. Londhe, Tadashi Araki, Luca Saba, Petia Radeva, Narendra N. Khanna, Jasjit S. Suri

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Authors and Co-authors details: Multiple author including name of Dr. Narasimhaiah at number 1

Publishing journal and date: Surgical Endoscopy, December 2018

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Authors and Co-authors details: Singh HK, Young T, Srinivasaiah N, Marcelle M.

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Dr. Narasimhan Ragavan, Urology, Apollo Cancer Institute, Chennai

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Authors and Co-authors details: Priyank Shah, N. Ragavan, Seetharam Bhat, Kunal Dholakiya

Publishing journal and date: Journal of Robotic Surgery, September 2018

Dr. N Sadiya Shafi, Histopathology, Vanagaram

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Authors and Co-authors details: Narasimhan Ragavan, Kunal Dholakia, Malarvizhi Ramesh, Jens Uwe Stolzenburg

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Dr. Naveen Padnanabhan, (Junior consultant), Oncology- Surgical, Apollo Cancer Institute, Chennai

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Authors and Co-authors details: Naveen Padnanabhan, Suhail Ahmed, An Kurian, P Ravishankar
158. Anti Synthetase Syndrome – A Case Report
Authors and Co-authors details: Dr. NilomKhound, Dr. MrinalCh. Bhattacharyya, Dr. BhaskarJyotiKakati
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Authors and Co-authors details: Nilu Malpani Dhoot Gobindo Pramanick Manash Saha J Kishor Gupta Milan Chetry Chandrashish Chakraborty Nipanjan Ghosh Arpita Sutradrhar
Publishing journal and date: J Gastrointestinal Abdominal Radiol ISGAR, October 2018

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Authors and Co-authors details: O P Sharma Vidarbha
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Authors and Co-authors details: Chinchumol Abraham and D. Maryline Flinsi
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Authors and Co-authors details: D. Maryline Flinski
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Authors and Co-authors details: Ms. D. Maryline Flinsi Ms. Chinchumol
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Authors and Co-authors details: Amrita Maurya and D. Maryline Flinsi
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Authors and Co-authors details: Mahadev Pothisraruju is the 1st author along with other 12 authors
Publishing journal and date: International Journal of Radiation Oncology, Biology, Physics, May 2018

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Authors and Co-authors details: Pankaj Kumar Panda, Rakesh Jalali
173. Paraneoplastic cerebellar degeneration associated with ovarian adenocarcinoma: a case report and review of literature

Authors and Co-authors details: Pushpendra Nath Renjen, Dinesh Mohan Chaudhari, U S Shilpi, Dhruv Zutshi, Kamal Ahmad

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Authors and Co-authors details: Pushpendra N Renjen, Dinesh Chaudhari

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Authors and Co-authors details: Pushpendra N Renjen, Dr. Dinesh Chaudhari

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Authors and Co-authors details: Renjen PN, Chaudhari Dinesh M, Mishra A, Kumar A

Publishing journal and date: Apollo Med, 2019

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Authors and Co-authors details: Pushpendra N Renjen, Nitin Gupta, Dinesh Chaudhari, Abhas Kumar, Kamal Ahmad, Anjali Mishra

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Authors and Co-authors details: Malavika B. G., VSV Prasad, Pushpendra N Renjen, Abhas Kumar, Anjali Mishra Dinesh Chaudhari

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Dr. Prabin Kumar Saikia, General Medicine, Guwahati

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Authors and Co-authors details: Dr. Prabin Kumar Saikia

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Dr. Premkumar B, Minimal Access, Bariatric and Robotic Surgery, Chennai

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Authors and Co-authors details: Balachandran Premkuma, Sayed Mohammed Afsal, Ramamurthee Kannaiyan, Senguttuvan Pandian, Ranjini Ramachandran

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Authors and Co-authors details: Vishwanath, Rajkumar Palaniappan, Balachandran Premkumar

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Dr. R. Dhananjayan, Biochemistry, Vanagaram

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Authors and Co-authors details: Dr. R. Dhananjayan

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Dr. Rajesh Taneja, Urology, Delhi


Authors and Co-authors details: Taneja R, Massand S

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Dr. Raju Vaishya, Orthopedics, Delhi

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Authors and Co-authors details: Wyndaele J, Riedl C, Taneja R, Lovász S, Ueda T, Cervigni M

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Dr. Rajendra Kumar Pradhan, (DNB Trainee), General Medicine, Delhi

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Authors and Co-authors details: Haleem A, Vaishya R, Javaid M, Khan IH

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Dr. Raju Vaishya

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Authors and Co-authors details: Vaishya R, Patralekh M, Vaish A

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Dr. Rajendra Kumar Pradhan

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Authors and Co-authors details: Prof. Bimalendu Das Vaishya R, Middha VP

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Authors and Co-authors details: Misra S, Vaishya R, Maheshwari J, Trikha V
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Authors and Co-authors details: aishya R, Khandel IK, Agarwal AK, Vijay V, Abhishek V, Karuna Acharya

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Authors and Co-authors details: Srinivas K, Vaishya R
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Authors and Co-authors details: Tiwari AK, Vaishya R
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Authors and Co-authors details: Ghonge N, Vaishya R.
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Authors and Co-authors details: Agarwal P, Vaishya R
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Authors and Co-authors details: Vaishya R.
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Authors and Co-authors details: Vaishya R, Vaish A, Singh LK, Baweja A
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Authors and Co-authors details: Srinivas K, Vaishya R
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Dr. Rakesh Jalali, Oncology-Radiation (Head), Medical Director APCC

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Authors and Co-authors details: Rakesh Jalali, MD
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Authors and Co-authors details: Rakesh Jalali and Jayant S. Goda
Publishing journal and date: Neuro-Oncology, Vol. 21: Issue 7, 2019

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Authors and Co-authors details: Rakesh Jalali, Madan Maitre, Tejpal Gupta, Jayant S. Goda Nalini Shah, Uday Krishna, Jamema Swamidas, Sadhna Kannan, Debnarayan Dutta, Rajiv Sarin
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Authors and Co-authors details: Rakesh Jalali
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Dr. Ravindra M. Mehta, Pulmonary Medicine, Critical Care Medicine, Jayanagar/ Bangalore

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Authors and Co-authors details: Ravindra M. Mehta ID, Pavankumar Biraris, Shekhar Patil, Abhinav Singla, Kumar Kallur ID, Stefano Gasparini

Publishing journal and date: PLOS ONE, March 2019

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Authors and Co-authors details: Sahajal Dhooria, Mehta RM, Arjun Srinivasan

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Authors and Co-authors details: Mehta RM, Singla A, Bhat RS, Godara R, Lokanath C, Cutaia M

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Authors and Co-authors details: Mehta RM, Rashmi N, Bajaj P, Krishnan S, Srinivasan L.

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Authors and Co-authors details: Morgan Craig, Kamran Kaveh, Alec Woosley, Andrew S. Brown, David Goldman, Elliot Eton, Ravindra M. Mehta

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Authors and Co-authors details: Aggarwal AN, Agarwal R, Dhooria S, Prasad KT, Sehgal IS, Muthu V, Mehta RM
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Authors and Co-authors details: Shalu Rohilla, Rohini Sharma

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Authors and Co-authors details: Swarnasree G, Rupa B, Madhumathi S.

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Authors and Co-authors details: Sinha Rooma (Corresponding) Bana R, Sanjay M

Publishing journal and date: JSLS, January-March 2019

Dr. Rooma Sinha, Minimal Access and Robotic Surgeon (Gynecology), Hyderabad

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Authors and Co-authors details: Roshan Agarwala, Abhi K Singh, Jimil Shah, Harshal S Mandavdhare and Vishal Sharma

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Authors and Co-authors details: Renuka Masodkar, Ganesh Jadhav, Sapna Verma

Publishing journal and date: Apollo Medicine, September 2018

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Authors and Co-authors details: Renuka Masodkar, Ganesh Jadhav, Sapna Manocha Verma, Sunil Chauhan

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Ms. Rohini Sharma, Nursing-Mental Health, Delhi

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Authors and Co-authors details: Nisha and Rohini Sharma

Publishing journal and date: Journal of Advanced Nursing Practice, 2018

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Authors and Co-authors details: Parul Sharma Rohini Sharma

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Authors and Co-authors details: Maibam Omila and Rohini Sharma

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Authors and Co-authors details: S Mandavdhare, Jimil Shah, Kaushal K Prasad, Roshan Agarwala, Vikas Suri, Savita Kumari, Usha Dutta, Vishal Sharma

Publishing journal and date: Intestinal research journal, 2019

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Authors and Co-authors details: Jayanta Samanta, Atul Rana, Narendra Dhaka, Roshan Agarwala, Pankaj Gupta, Saroj Kant Sinha, Vikas Gupta, Thakur Deen Yadav, Rakesh Kochhar

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Authors and Co-authors details: Roshan Agarwala · Surinder Singh Rana · Ravi Sharma · Mandeep Kang · Ujjwal Gorsi · Rajesh Gupta

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Authors and Co-authors details: Vishal Sharma, Pankaj Sharma, Minu Singh, Roshan Agarwala, Kaushal K Prasad, Harshal S Mandavdhare, Usha Dutta and Prateek Bhatia

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Authors and Co-authors details: Rizwan Ahamed Z, Jimil Shah, Roshan Agarwala, Praveen Kumar-M, Harshal S Mandavdhare, Pankaj Gupta, Harjeet Singh, Aman Sharma, Usha Dutta and Vishal Sharma

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Authors and Co-authors details: ROSHAN AGARWALA, Surinder S. Rana, Ravi K. Sharma, Mandeep Kang, Rajesh Gupta

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Dr. Rucha J Mehta, Endocrinology and Diabets, Ahmedabad

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Authors and Co-authors details: Alatrach M, Agyin C, Mehta R, Adams J, DeFronzo RA, Abdul-Ghani M

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Authors and Co-authors details: Sanjay Chatterjee, Subir Ray, Anirban Majumder, Kingshuk Bhattacharjee

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Dr. Sachin Sambhati Chemate, (Senior Resident), Neurosurgery, Apollo Cancer Institute, Chennai

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Authors and Co-authors details: Dr. Chemate Sachin Sambhaji is the 1st author along with other 11 authors


Dr. Saibal Moitra, Allergy and Immunology, Kolkata

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Authors and Co-authors details: Datta A, Moitra S, Faruk SMO, Das PK, Mondal S, Hazra I, Basu AK, Tripathi SK, Chaudhuri S

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Authors and Co-authors details: Subhbrata Moitra, Prasun Haldar and Saibal Moitra

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Authors and Co-authors details: Subhbrata Moitra, Arghya Bandyopadhyay, Saibal Moitra

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Dr. Sanjay Chatterjee, Nutrition and Diabetes, Kolkata

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Dr. Sanjay Sinha, Urology and Transplant surgery, Hyderabad

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Dr. Satish Nair, ENT, Head and Neck Oncology, Bangalore

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Authors and Co-authors details: K. Swetha, Satish Nair, K. V. R. Brijith, J. G. Aishwarya, Y. S. Nagamani, Himani Indeewar

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Md. Shahnawaz Ansari, Chief Medical Physicist, Radiation Oncology, Bilaspur

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Publishing journal and date: Iranian Journal of Medical Physics, September 2018

287. An analysis of dose distribution in rapid arc and IMRT radiotherapy plan in the case of head and neck cancer using $\gamma$-index

Authors and Co-authors details: Shahnawaz Ansari, Subrat Kumar Satpathy

Publishing journal and date: International Journal of Radiology and Radiation Therapy, 2019

288. A new index: Triple Point Conformity Scale (CS3) and its implication in qualitative evaluation of radiotherapy plan

Authors and Co-authors details: Shahnawaz Ansari, Subrat K. Satpathy, Imteyaz Ahmad, Priyanka K. Singh, Santosh Lad, Nimish Thappa and B. K. Singh

Publishing journal and date: Journal of Radiotherapy in Practice, 2018

Dr. Shameem Ahmed, Neurosurgery, Guwahati

289. Extra-Ocular Cysticercosis mimicking Orbital Cellulitis

Authors and Co-authors details: Shameem Ahmed, Siba Prasad Paul

Publishing journal and date: JCPSP, Vol. 28, August 2018

290. Civilian Nonmissile Penetrating Brain Injury

Authors and Co-authors details: Shameem Ahmed, Deep Dutta
291. Septicaemia, meningitis and Bilateral subdural empyema in an infant caused by staph aureus

Authors and Co-authors details: Shameem Ahmed, Taposh Biswas, and Siba Prosad Paul

Publishing journal and date: Mymensingh medical journal, October 2018

292. A Diagnostic Conundrum: Acute Intermittent Porphyria Coexisting with Lumbar Prolapsed Intervertebral Disc

Authors and Co-authors details: Shameem Ahmed and Siba Prosad Paul

Publishing journal and date: Journal of the College of Physicians and Surgeons Pakistan, 2019

293. The white cerebellum sign: an under-recognized red flag finding with grave prognosis

Authors and Co-authors details: Shameem Ahmed, Taposh Biswas and Siba Prosad Paul

Publishing journal and date: Journal of the College of Physicians and Surgeons Pakistan, 2019

Dr. Sharmili Sinha, Critical Care, Bhubaneswar

294. Sepsis-3: How useful is the new definition?

Authors and Co-authors details: Sinha and Ray

Publishing journal and date: Journal of anesthesiology clinical pharmacology, October-December 2019

295. Retrospective analysis of Colistin-resistant bacteria in a tertiary care centre in India

Authors and Co-authors details: Sharmili Sinha, Suneeta Sahu, Jyotirmaya Pati, Banambar Ray and Saroj Kumar Pattnaik,

Publishing journal and date: Indian Journal of Medical Research, March 2019

Dr. Shyama Subramaniam, Lab services, Tondiarpet

296. Curative role of modified Arjunarishta on isoproterenol induced myocardial infarction in rats

Authors and Co-authors details: Santhosh Kumar B, Manickam Diwakar, Sri Kamatchipriya R, Shyama Subramaniam, Samusubramanima

Publishing journal and date: International Journal of Research In Pharmaceutical Sciences, 17th December 2018

297. Determination of RBC Membrane bound lipid in Atorvastatin treated hyperlipidemia patients by thin-layer chromatography

Authors and Co-authors details: P. Sagunthala Dr. K. Elangovan Dr. S. Subramaniam Dr.S. Shyama


298. Determination of lipoprotein (a) in Atorvastatin treated hyperlipidaemia patients by Agarose Gel Electrophoresis-Hydrasys Sebia

Authors and Co-authors details: P. Sagunthala, K. Elangovan, S. Subramaniam, S. Shyama

Publishing journal and date: International Journal of Scientific Research, 2019

299. Lipid profile and Lipoprotein (a) levels in CoQ10 supplemented Atorvastatin treated hyperlipidaemic myalgia patients

Authors and Co-authors details: Ms. Sagunthala panneer selvam, Mr. Elangovan kannan, Dr. Samu S, Dr. Udhaya B, Dr.Safi Naaz, Dr. Arshad A, Dr.Bhaskar, Dr.Shyama Subramaniam

Publishing journal and date: International Journal of Scientific Research, August 2019

300. Biological variations, technical stability and elution tactics in dried blood spots specimen; Neonatal
screening out comes

Authors and Co-authors details: Subhasree. C. R, Subramaniam S, Shyama S

Publishing journal and date: International Journal of Pediatric Research, 2019

Dr. Siddhant Jain, Cardiology, Indore

301. Diffuse alveolar hemorrhage: a very rare but catastrophic complication after percutaneous transluminal coronary angioplasty

Authors and Co-authors details: Ravi A. Dosi, Siddhant Jain, Arpit Jain, Satish Motiwale, Prakash Joshi, Arun Chandelkar

Publishing journal and date: The Journal of Association of Chest Physicians, 2018

Dr. SK Bose, Dermatology, Delhi

302. Successful treatment of PAPA syndrome with minocycline, dapsone, deflazacort and methotrexate: a cost-effective therapy with a 2-year follow-up

Authors and Co-authors details: Sardana K, Bajaj S, Bose SK.

Publishing journal and date: Clin Exp Dermatol, July 2019

Dr. Soma Agrawal, Transfusion Medicine, Delhi

303. Prevalence of malaria in blood donor population from a tertiary care centre and effective donor notification and counselling policy

Authors and Co-authors details: RN Makroo, S Agarwal, M Chowdhary, R. NL

Publishing journal and date: ISBT Science series, 2018

304. Comparative evaluation of five different methods of anti-abo antibody titration: an aid for abo-incompatible organ transplants

Authors and Co-authors details: Nayak S, Makroo RN, Prakash B, Chandra T, Agrawal S, Chowdhry M, Mohapatra A1


305. Hyperheptaploidy in idiopathic thrombocytopenic purpura.

Authors and Co-authors details: Mohit Chowdhry, Raj Nath Makroo, Yogita Thakur, Soma Agrawal, Manoj Mishra, Deepika Rani

Publishing journal and date: Indian Journal of Pathology and Microbiology, 2018

306. Prevalence of irregular red cell antibody in healthy blood donors attending a tertiary care hospital in North India.

Authors and Co-authors details: Makroo RN, Rajput S, Agarwal S, Chowdhry M, Prakash B, Karna

Publishing journal and date: Asian J Transfus Sci, January-June 2018

307. Retrospective analysis of forward and reverse ABO typing discrepancies among patients and blood donors in a tertiary care hospital

Authors and Co-authors details: Makroo RN, Kakkar B, Agrawal S, Chowdhry M, Prakash B, Karna P.

Publishing journal and date: Transfus Med, April 2019

Dr. Srinivas Chilukuri, Oncology-Radiation, APCC

308. Brain metastasis: Momentum towards understanding the molecular milieu

Authors and Co-authors details: Srinivas Chilukuri, Rakesh Jalali

Publishing journal and date: Neurology India, 2019

309. Risk of second malignancy after modern conformal and proton beam radiotherapy-Minimizing risks, improving survivorship
Authors and Co-authors details: Srinivas Chilukuri, Rakesh Jalali

Publishing journal and date: Indian Journal of Cancer, 2019

Dr. Suchitra Ranjit, Pediatric Intensive Care, ACH

310. Fluid overload in acute asthma exacerbation and clinical outcomes, is there an association?

Authors and Co-authors details: Suchitra Ranjit Juma Sankar

Publishing journal and date: American Journal of Respiratory and Critical Care medicine™( AJRCCM), May 2018

311. Targeted Interventions in Critically Ill Children with Severe Dengue

Authors and Co-authors details: Ranjit S, Ramanathan G, Ramakrishnan B, Kissoon N

Publishing journal and date: Indian Journal of Critical Care Medicine, 2018

Dr. Sudipta Sekhar Das, Transfusion Medicine, Kolkata

312. Immunohematological and clinical characterizations of mixed autoimmune hemolytic anemia

Authors and Co-authors details: Sudipta Sekhar Das, Ritam Chakrabarty, R. U. Zaman

Publishing journal and date: Asian Journal of Transfusion Science, 2018

313. Optimization of Blood Safety through Essential Characterization of Naturally Occurring Lewis Antibody

Authors and Co-authors details: Sudipta Sekhar Das, Ritam Chakrabarty

Publishing journal and date: Global Journal of Transfusion Medicine, 2018

Dr. Sumit Kumar Gaur, ENT, Bangalore

314. The common cavity vs incomplete partition type 1 conundrum: decision making and management with the cochlear implant from electrode

Authors and Co-authors details: Gaur SK, Dutt SN, Kumar A

Publishing journal and date: Cochlear Implants Int, May 2019

315. The Forgotten Rambo Flap" for mastoid cavity obliteration

Authors and Co-authors details: Mehrin Shamim, Sumit Kumar Gaur and Sunil Narayan Dutt

Publishing journal and date: Global Journal of medical research, dentistry and Otolaryngology, 2018

Dr. Suneeta Sahu, Clinical Microbiology and Immunoserology, Bhubaneswar

316. Profile of Pediatric Scrub Typhus in Odisha, India

Authors and Co-authors details: Madhusmita Bal, Mahesh Prasad Mohanta, Suneeta Sahu, Bhagirathi Dwivedi, Sanghamitra Pati And Manoranjan Ranjit

Publishing journal and date: Indian Journal of Critical Care Medicine, 2018

Dr. Sunil Narayan Dutt, ENT and Head-Neck Surgery, Bangalore

317. The Methodology and Electro-physiological Classification of Pre-operative Trans-tympanic Electrically-Evoked Auditory Brainstem Response (TT-EABR)

Authors and Co-authors details: Sunil Narayan Dutt Apurva Kumar

Publishing journal and date: Indian J Otolaryngol Head Neck Surg, January 2019


Authors and Co-authors details: Raghavendra KS, Dutt SN, Maneesh SG, Hasan S, Gaur SK, Kumar A
Publishing journal and date: Indian J Otolaryngol Head Neck Surg, November 2018

319. The common cavity vs incomplete partition type I conundrum: Decision making and management with the cochlear implant form electrode

Authors and Co-authors details: Sumit Kumar Gaur, Sunil Narayan Dutt and Apurva Kumar

Publishing journal and date: Cochlear Implants International An Interdisciplinary Journal, February 2019

320. A Real-Time Sequential Phase-Shift Approach to Tinnitus Cancellation-A Pilot Study in Southern India

Authors and Co-authors details: Darien Rodrigues, Jagdish Chaturvedi, Roma Vishwanath, Anirban Biswas, Sunil Narayan Dutt, Parul Chachra, Rohan D Souza, Abu Saquib, Ravi Jangir and Rishabh Sirdesai

Publishing journal and date: Global Journal of Otolaryngology, April 2018

321. Endoscopic removal of intranasal supernumerary tooth

Authors and Co-authors details: Himani Indeevar, Sunil Narayan Dutt

Publishing journal and date: Indian Journal of Otolaryngology and Head Neck Surgery, July 2018

Dr. Suryakanta Pradhan, ENT, Bhubaneswar

322. A rare case of live fish in oropharynx and its management

Authors and Co-authors details: Suryakanta Pradhan, Sanjeev Gupta, Ambika P Dash, Jitendu Mohanty, Anup K Rana

Publishing journal and date: Otorhinolaryngology Clinics: An International Journal, May-August 2018

Dr. Sushant Kumar Sethi, Gastroenterology, Bhubaneswar

323. Association of Upper GI Bleed in Patients with Budesonide and SSRI Therapy in Chrons Disease: A Comparative Clinical Study

Authors and Co-authors details: Rasmirekha Behera, Sushant Sethi

Publishing journal and date: Journal of Medical Science and Clinical Research, 2019

Dr. Suvadip Chakraborty, Oncology-Surgical, Kolkata

324. Extranodal rosai dorfman disease mimicking paraspinal neoplasm - a diagnostic dilemma

Authors and Co-authors details: Mukhopadhyay G, Chakrabarti S and Shilpi Kundu

Publishing journal and date: Clinics in Oncology, November 2018

Dr. Suvro Banerjee, Cardiology, Kolkata

325. D Acute coronary syndromes presentations and care outcomes in white, South Asian and Chinese patients: a cohort study

Authors and Co-authors details: Kathryn King-Shier, Hude Quan, M K Kapral, Ross Tsuyuki, Libin An, Suvro Banerjee, Danielle A Southern, Nadia Khan

Publishing journal and date: BMJ Open, 13th March 2019

326. CSI position statement on management of heart failure in India

Authors and Co-authors details: Multiple author including name of Dr. Banerjee at number 6

Publishing journal and date: Indian Heart Journal, August 2018

327. Delayed onset Takotsubo syndrome following exercise ECG: a case report

Authors and Co-authors details: Aruni Ghose, Suvro Banerjee

Publishing journal and date: European Heart Journal, 2019
328. Evaluation of Syncope: Who Needs an Implantable Loop Recorder?

Authors and Co-authors details: S Banerjee

Publishing journal and date: Open Access Journal of Cardiology, June 2018

329. Home based blood pressure monitoring in Indian setting: a consensus document

Authors and Co-authors details: Multiple author including name of Dr. Banerjee at number 22 out of 23

Publishing journal and date: Journal of Clinical and Diagnostic Research, January 2018

330. The Indian Consensus Guidance on stroke prevention in atrial fibrillation: a practical view on the use of non-vitamin k antagonist oral anticoagulants

Authors and Co-authors details: Multiple author including name of Dr. Banerjee at number 14 out of 16

Publishing journal and date: Journal of The Association of Physicians of India

331. Prevalence of atrial high-rate episodes and the risk factors in Indian patients with cardiac implantable electronic devices: Real-world data

Authors and Co-authors details: Suvro Banerjee, Suchit Majumdar, Aritra Konar

Publishing journal and date: Journal of Arrhythmia, 2019

Dr. Swetha Lakshmi Narla, Histopathology, Apollo Cancer Institute, Chennai


Authors and Co-authors details: Narla SL, Stephen P, Kurian A, Annapurneswari S.

Publishing journal and date: Indian J Pathol Microbiol, October-December 2018

333. Metastatic carcinoma to uterine cervix from breast primary-an incidental finding: a rare case report with review of literature

Authors and Co-authors details: Narla S, Kurian A, Subramanyan A, Ramesh BYN

Publishing journal and date: International journal of scientific research, July 2018

334. Correlation of histology of vesiculobullous disorders with immunofluorescence: a study at a tertiary care centre

Authors and Co-authors details: Sarwat Fatma, Swetha Narla, Sheba Jacob, N Geetha

Publishing journal and date: National Journal of Laboratory Medicine, October 2018

Dr. Ujjwayini Ray, Microbiology, Kolkata

335. Report of relapse typhoid fever cases from Kolkata, India: Recrudescence or Reinfection?

Authors and Co-authors details: Sriparna Samajpati, Surojit Das, Ujjwayini Ray, Shanta Dutta

Publishing journal and date: Japanese Journal of Infectious Diseases, May 2018

336. Infections and HLH - Experience from a Tertiary Care Centre

Authors and Co-authors details: Ujjwayini Ray, Soma Dutta, Syamasis Bandyopadhyay, Susovan Mondal

Publishing journal and date: Journal of The Association of Physicians of India, January 2019

Dr. V Raghavan, Ophthalmology, Apollo Cancer Institute, Chennai

337. Treatment of circumscribed choroidal hemangioma using CyberKnife: A viable alternative

Authors and Co-authors details: Aditi Agarwal, Venkatavaradan Raghavan, Ramadas Rathnadevi1,
Pukhraj Rishi

**Publishing journal and date:** Indian Journal of Ophthalmology, Vol. 67: Issue 5, 2019

**Dr. Varun Madaan**, (DNB Trainee), GI Surgery, Delhi

338. Aggressive Surgical Resection Following Neoadjuvant Imatinib Therapy for Advanced Duodenal Tumor with Hepatic Metastasis

**Authors and Co-authors details:** Varun Madaan, Rigved Gupta, G. K. Adithya, Satya Prakash Jindal, Deepak Govil

**Publishing journal and date:** Apollo Medicine, 2018

339. Unexplained ascites following laparoscopic cholecystectomy: A surgeon’s nightmare – A case report and review of literature

**Authors and Co-authors details:** Varun Madaan, GK Adithya, Satya Prakash Jindal, Rigved Gupta, Vivek Tandon, Deepak Govil

**Publishing journal and date:** Journal of Minimal Access Surgery, 2019

**Dr. Venkat Reddy Almareddi**, Orthopedics, Karimnagar

340. Dynamic Hip Screw versus Proximal Femoral Nailing in Treatment of Intertrochanteric Fractures in Elderly

**Authors and Co-authors details:** Venkat Reddy Almareddi

**Publishing journal and date:** Scholars Journal of Applied Medical Sciences (SJAMS), June 2018

341. Functional Outcome of Proximal Humerus Fracture Treated with Proximal Humerus Locking Plates

**Authors and Co-authors details:** Venkat Reddy Almareddi, Anudeep Batchu

**Publishing journal and date:** International Journal of Scientific Research, Vol. 7: Issue 8, August 2018

342. A study of minimally invasive plate osteosynthesis with locking compression plates for the treatment of proximal humerus fractures

**Authors and Co-authors details:** Venkat Reddy Almareddi, Saudi

343. Analysis of distal femur fractures treated with locking compression plate

**Authors and Co-authors details:** Venkat Reddy Almareddi, Ram Reddy V Scholars

**Publishing journal and date:** Journal of Medicine (SJM), Vol-3: Issue 6, June 2018

344. Bipolar hemiarthroplasty for intracapsular fracture neck of femur in elderly

**Authors and Co-authors details:** Venkat Reddy Almareddi, Ram Reddy V

**Publishing journal and date:** Journal of Applied Medical Sciences (SJ AMS), August 2018

345. Primary medullary fixation for open fractures of long bones

**Authors and Co-authors details:** Venkat Reddy Almareddi

**Publishing journal and date:** Perspectives in Medical Research, January- April 2019

346. Cervical epidural anesthesia of radical mastectomy in an elderly patient with severe respirator compromise

**Authors and Co-authors details:** Vikas Gogia, Chitra Chatterji, Ramesh Sarin

**Publishing journal and date:** J Cont Med A Dent, May-August 2018

**Dr. Vikas Gogia**, Anesthesia, Delhi
Publishing journal and date: Apollo Medicine, June 2019

Dr. Vipul Vijay, Orthopedics, Delhi

347. Surgical approaches for open reduction and internal fixation of intra-articular distal humerus fractures in adults: A systematic review and meta-analysis

Authors and Co-authors details: Vijay V, Vaishya R, Vaish A

Publishing journal and date: Injury, 2018

348. Single-stage management of advanced bilateral knee osteoarthritis with stress fracture of medial malleolus

Authors and Co-authors details: Raju Vaishya, Vipul Vijay, Amit K Agarwal, Abhishek Vaish

Publishing journal and date: Journal of Orthopaedic Case Reports, 2018

349. Fallacies of CT based component size prediction in total knee arthroplasty – Are patient specific instruments the answer

Authors and Co-authors details: Vaishya R, Vijay V, Krishnan M, Agarwal AK.

Publishing journal and date: J Clin Orthop Trauma, 2018

350. Total knee arthroplasty using patient-specific blocks after prior femoral fracture without hardware removal

Authors and Co-authors details: Raju Vaishya, Vipul Vijay, Amit K Agarwal

Publishing journal and date: Indian J Orthop, March-April 2018

351. The top 10 arthroplasty articles published in last 10 years by Indian authors

Authors and Co-authors details: Vaishya R, Patralekh MK, Bijukchhe AR, Vaish A, Vijay V, Agarwal AK.

Publishing journal and date: Journal of Clinical Orthopaedics and Trauma, 2018

Dr. Yashwant Tanwar and Dr. Yatinder Kharbanda, Orthopedics, Delhi

352. Desmoplastic fibroma of bone: a case series and review of literature

Authors and Co-authors details: Tanwar YS, Kharbanda Y, Rastogi R, Singh R

Publishing journal and date: Indian J Surg Oncol, December 2018

353. Posterior Fracture Dislocation of Shoulder with Anatomical Neck Fracture

Authors and Co-authors details: Yashwant Singh Tanwar, Atin Jaiswal, Yatinder Kharbanda, Anil Panda

Publishing journal and date: Apollo medicine, 2018

354. Mid-term results of impaction bone grafting in tibial bone defects in complex primary knee arthroplasty for severe varus deformity

Authors and Co-authors details: Yashwant Singh Tanwar, Yatinder Kharbanda, Harsh Bhargava, Kulbhushan Attri, and Anoop Bandil

Publishing journal and date: SICOT-J, 2019

355. Retrospective analysis of open reduction and internal fixation of coronal plane fractures of the capitellum and trochlea using theanterolateral approach

Authors and Co-authors details: Tanwar YS, Kharbanda Y, Jaiswal A, Birla V, Pandit R

Publishing journal and date: SICOT J, 2018

356. Extensive re-ossification and reformation of the proximal femur after external beam radiotherapy in metastatic carcinoma breast

Authors and Co-authors details: Yatinder Kharbanda,
Ruchi Singh, Tariq Mir, and Yashwant Singh Tanwar

**Publishing journal and date:** Indian J Surg Oncol, September 2018

**Capt. Usha Banerjee,** Director of Nursing, Apollo Hospitals

357. WIFI: with intent for integrity

**Authors and Co-authors details:** Usha Banerjee, Jiji Dias, Simmy Rajan and Maryline Flinsi

**Publishing journal and date:** International Journal of Recent Scientific Research Research, December 2018

358. Call Bell As A Service Parameter: From Call Light To Patient Delight

**Authors and Co-authors details:** Capt., Usha Banerjee, Ms.Preeti, Ms.N.Rathina, Ms. D.Maryline Flinsi

**Publishing journal and date:** IOSR Journal of Nursing and Health Science (IOSR-JNHS), July-August 2018

359. HELP: Hands on Equipment Learning Program

**Authors and Co-authors details:** Capt. Usha Banerjee, Ms. Vertika Agarwal, Ms. N. Rathina, Ms. D. Maryline Flinsi

**Publishing journal and date:** IOSR Journal of Nursing and Health Science (IOSR-JNHS), September-October 2018

360. IAD: Incontinence associated Dermatitis –Continence care

**Authors and Co-authors details:** Capt. Usha Banerjee Ms.Mariamma Ms.Ringzin Ms. N. Rathina

**Publishing journal and date:** International Journal Of Current Advanced Research, October 2018

361. P2P - From Panic to Peace (Clinical Alarm Safety Campaign)

**Authors and Co-authors details:** Capt. Usha Banerjee, Ms. Vertika Agarwal, Ms.N.Rathina, Ms. D.Maryline Flinsi

**Publishing journal and date:** International Journal of Recent Scientific Research, May 2019

362. Effectiveness of certificate program on oncology Nursing

**Authors and Co-authors details:** Capt.Usha Banerjee Ms.Babita sen Ms.Ruchigirdar Ms. D.Marylineflinsi

**Publishing journal and date:** Global Journal of Medical Research K: Interdisciplinary, March 2019

363. Nursing empowerment leadership filament-clinical cabinet

**Authors and Co-authors details:** Usha Banerjee, Elizabeth S Philip, Geemol John Mathew Tina Mathews Rathina N

**Publishing journal and date:** International Journal of Current Advanced Research, May 2019

364. The Midas Touch- caring with empathy”

**Authors and Co-authors details:** Usha Banerjee, N. Rathina, Babita Sen, D. Maryline Flinsi, Rohini Sharma

**Publishing journal and date:** IOSR Journal of Nursing and Health Science (IOSR-JNHS), May 2019

365. Enhancing nursing skills through e- learning

**Authors and Co-authors details:** Usha Banerjee, N. Rathina, D. Maryline Flinsi Rohini Sharma

**Publishing journal and date:** International Journal Of Current Advanced Research, May 2019

366. Steal the show: communication the human connection

**Authors and Co-authors details:** Usha Banerjee, Jiji Dias, Preeti Singh D. Maryline Flinsi

**Publishing journal and date:** International Journal of Recent Scientific Research, May 2019

367. Effectiveness of Certificate program on Cardiology Nursing
List of consultants conferred with Adjunct Title of International Professor of AHERF - 2019

1. Professor AA Shetty
   Orthopedic surgery
   UK

Current Appointment: Chair and Professor of Orthopaedics, Director of Research, Institute of Medical Sciences, Faculty of Health and Wellbeing, Canterbury Christchurch University, UK, Programme Director MCh in Surgery, Institute of Medical Sciences, Faculty of Health and Wellbeing, Canterbury Christchurch University, UK, Adjunct Professor of Orthopaedics and Director of Cell therapy, SDM Medical College, Dharwad, India, Adjunct Professor Stem Cell Research and Regenerative Medicine, NITTE University, Mangalore, and Adjunct visiting Professor KMC Manipal, India, Visiting Professor MGR University, Chennai, India, Visiting Professor, Yenopaya Medical College, Mangalore, India, Scientific Advisor, Cartilage Research and Clinical trial, Konee, Republic of China, Consultant Knee Surgeon, Spire Alexandra Hospital, Chatham, UK

Fifteen distinguished doctors working in renowned healthcare institutions overseas conferred with Adjunct Title of International Professor.

2. Dr. Achal Kumar Dhir
   Liver Transplant Anesthesia
   Canada

Current Appointment: Director, Liver Transplant Anesthesia, Associate Professor, Department of Anesthesia and Perioperative Medicine, University of
1. Dr. Sandeep Sethi
   Medicine
   UK

Current Appointment: Professor, Department of Medicine, University College London, UK; Consultant Physician, Guy's and St Thomas' NHS Foundation Trust, UK

Total publications: 25 papers, 6 abstracts

Number of publications in PEER reviewed journals: 25

Lectures given: 55

Years of experience/teaching: 42

2. Dr. Amita Sharma
   Pediatrics
   USA

Current Appointment: Assistant Professor, Pediatrics, Harvard Medical School, Associate Pediatrician, Massachusetts General Hospital, Consulting Staff, Pediatric Nephrology, Shriners Hospital and North Shore Children Hospital

Total publications: 27

Number of publications in PEER reviewed journals: 18

Lectures given: 68 lectures, 13 presentations

Years of experience/teaching: 31

3. Dr. Amita Sharma
   Pediatrics
   USA

Current Appointment: Assistant Professor, Pediatrics, Harvard Medical School, Associate Pediatrician, Massachusetts General Hospital, Consulting Staff, Pediatric Nephrology, Shriners Hospital and North Shore Children Hospital

Total publications: 27

Number of publications in PEER reviewed journals: 18

Lectures given: 68 lectures, 13 presentations

Years of experience/teaching: 31

4. Dr. Arunmoy Chakravorty
   Oncoplastic Breast Surgeon
   UK

Current Appointment: Consultant Oncoplastic Breast Surgeon Hillingdon Hospital NHS Foundation Trust, Honorary Clinical Senior Lecturer, Faculty of Medicine, Imperial College, London

Total publications: 16

Number of publications in PEER reviewed journals: 16

Lectures given: 26 presentations

Years of experience/teaching: 25

5. Prof Avijit Lahiri
   Cardiology
   UK

Current Appointment: Medical Director, British Cardiac Research Trust, 28-32 Wellington Road, London, Honorary Professor, Middlesex University, Trent Park, Bramley Road, London, Advisory Board Member, CardioVax Project, Los Angeles, USA, Trustee, TATA Medical Centre Trust, London & India, Advisory Board, Vaccination in Atherosclerosis, The Netherlands

Total publications: 330 papers, 511 abstracts

Number of publications in PEER reviewed journals: 273

Lectures given: 368

Years of experience/teaching: 42

6. Dr K Ananthasubramaniyam
   Cardiology
   USA

Current Appointment: Professor of Medicine, Wayne State University, Co-Director Adult Congenital Heart Disease. Senior Staff Cardiologist, Henry Ford Hospital, Heart and Vascular Institute, Detroit, MI, Director, Nuclear Cardiology, Henry Ford Hospital, Heart and Vascular Institute, Detroit, MI, Director, Echocardiography Laboratory, Henry Ford Hospital, Detroit, MI, Program Director, Advanced Cardiac Imaging Fellowship, Director, Heart Smart Cardiac Risk Screening Program, Co-Medical Director, Cardiac Ultrasonography Program, Baker College - Honorary Advisory Position

Total publications: 99 papers, 107 abstracts
Number of publications in PEER reviewed journals: 96

Lectures given: 53 lectures, 48 presentations

Years of experience/teaching: 19

7. Dr. K K Jain
   Hyperbaric Medicine/Neurology
   USA

Current Appointment: CEO, Jain Pharma Biotech and Consultant in Neurology, Senior Associate editor, MedLink Corporation, San Diego, California, Consultant in hyperbaric medicine, biotechnology and pharmaceutical medicine. Research in cell/gene therapy, neuroprotection, and nanobiotechnology, Visiting professorships and invited lectures worldwide on various topics in biotechnology and applications to medicine with focus on development of personalized medicine

Total publications: 480 papers, 31 books, 50 special reports

Number of publications in PEER reviewed journals: 480

Lectures given: Various lectures

Years of experience/teaching: 54

8. Dr. Kulwinder S. Dua
   Gastroenterology and Hepatology
   UK

Current Appointment: Professor of Medicine and Pediatrics, Division of Gastroenterology and Hepatology, Medical College of Wisconsin, Milwaukee, U.S.A., Chief, Division of Gastroenterology and Hepatology, Clement J Zablocki V.A. Medical center, Milwaukee, U.S.A., Director, Advance GI Endoscopy Program, Medical College of Wisconsin, Director, Pancreatobiliary Division, Digestive Disease Center of Wisconsin, Milwaukee, U.S.A., Vice-Chair, International Committee, American Society of Gastrointestinal Endoscopy

Total publications: 100 papers, 8 chapters

Number of publications in PEER reviewed journals: 100

Lectures given: 153

Years of experience/teaching: 38

9. Dr. Manish Chand
   General and Colorectal Surgery
   UK

Current Appointment: Associate Professor/ Senior Lecturer Consultant Colorectal Surgeon University College London and University College Hospital

Total publications: 87

Number of publications in PEER reviewed journals: 87

Lectures given: 18 lectures 72 presentations

Years of experience/teaching: 14

10. Dr. Nalini M. Guda
   Gastroenterology
   USA

Current Appointment: Aurora St. Luke's Medical Center, Milwaukee, WI, Director of Advanced Endoscopy Fellowship, GI Associates, Milwaukee Clinical Adjunct Professor of Medicine, University of Wisconsin School of Medicine and Public Health

Number of publications in PEER reviewed journals: 480

Lectures given: Various lectures

Years of experience/teaching: 54
Total publications: 53 papers, 12 chapters

Number of publications in PEER reviewed journals: 53

Lectures given: 58

Years of experience/teaching: 18

11. Dr. PH Chandrasekar
Infectious Diseases
USA

Current Appointment: Professor, Department of Internal Medicine, Wayne State University, School of Medicine, Detroit, MI, Chief, Infectious Diseases, Department of Internal Medicine, Wayne State, University School of Medicine

Total publications: 227 papers, 35 case reports, 156 Abstracts

Number of publications in PEER reviewed journals: 187

Lectures given: 40

Years of experience/teaching: 36

12. Dr. Prasad G Iyer
Gastroenterology and Hepatology
USA

Current Appointment: Consultant - Division of Gastroenterology and Hepatology, Director of Post Doctoral Programs, Co-Director - Advanced Fellowship, Professor of Medicine and Medical Director at Mayo Clinic, Rochester, Minnesota

Total publications: 140 papers, 8 chapters in book, 3 editorials, 167 abstracts, 7 letters

13. Prof. Raj. K Narayan
Neurosurgery
UK

Current Appointment: Professor at The Center for Bioelectronic Medicine, The Feinstein Institute for Medical Research, Director, Harvey Cushing Institute of Neuroscience, North Shore University Hospital Chair & Professor of Neurosurgery, Donald and Barbara Zucker School of Medicine at Hofstra/Northwell

Total publications: 135 papers, 2 Books, 63 chapters

Number of publications in PEER reviewed journals: 124

Lectures given: Lectureships at 74 institutions, 57 international presentations

Years of experience/teaching: 34

14. Dr. Roby Debashish Rakhit
Interventional Cardiology
USA

Current Appointment: Consultant Interventional Cardiologist - Royal Free Hospital, London, Clinical Director of Cardiology - Hospital of St. John &St.Elizabeth, Consultant Cardiologist -Wellington Hospital, Associate Professor of Cardiology - University College London
Total publications: >100

Number of publications in PEER reviewed journals: >100

Lectures given:

Years of experience/ teaching: 23

Current Appointment: Professor of Medicine, University of Central Florida College of Medicine Medical Director, Florida Hospital Center for Interventional Endoscopy

Total publications: 148 Original article, 52 review article, 37 Case reports, 48 editorials, 110 abstracts, 25 chapters in book

Number of publications in PEER reviewed journals: 285

Lectures given: 136 lectures, 42 presentations

Years of experience/ teaching: 16

Recognition of Books

Guidelines to recognize books published by consultants were institutionalized in December 2018.

Seventeen books of Apollo Hospitals consultants were recognized with a cash awards along with citation from Chairman.

List of books of consultants recognized in 2019

Dr Adithya Udupa, Cardiology, Mysore
1. Cardiac Drugs And Their Trials

Date of publication: 2019
Author/Editor of Text book: Dr. Adithya Udupa

2. A Quick Review of Clinical Trials In Cardiology
Date of publication: 2019
Author/Editor of Text book: Dr. Adithya Udupa

Dr Dhanaraj M, Neurology, Chennai

3. Critical Care Neurology Clinical and Neuroradiological Case Series With Review
Date of publication: 2018
Author/Editor of Text book: Dr Dhanaraj M

Dr Dhanya Dharmapalan, Pediatric Infectious disease, Navi Mumbai

4. Partha's Management Algorithms in Pediatric and Adolescent Practice
Date of publication: February 2019
Author/Editor of Text book: Dr.Dhanya Dharmapalan

5. IAP Text Book of Pediatrics
Date of publication: February 2019
Author/Editor of Text book: Dr. Dhanya Dharmapalan

Dr Kalaivani Ramalingam, Urogynecology, Chennai

6. Get through MRCOG Part 2 EMQs
Date of publication: 5th October 2019
Author/Editor of Text book: Kalaivani Ramalingam, LathaMageswari, Lakshmi Thirumalaikumar

Dr Koushik Lahiri, Dermatology, Kolkata

7. A Treatise on Topical Corticosteroids in Dermatology, Use, Misuse and Abuse
Date of publication: 11th August 2017

15. Dr. Shyam S. Varadarajulu Pancreatic and Biliary Disorders USA
Author/Editor of Text book: Dr. Koushik Lahiri
8. Superficial fungal infections
Date of publication: 2018

Author/Editor of Text book: Dr. O. P. Sharma
9. A Handbook of Geriatric Care
Date of publication: March 2019

Author/Editor of Text book: Dr. Rakesh Periwal
10. Mechanical Ventilation (By ISCCM Guwahati City Branch)
Date of publication: 2018

Author/Editor of Text book: Dr. Parthasarathy, Alok Gupta, Anupama Borker, Dhanya Dharmapalan, Remesh Kumar
11. Partha's Investigations and Interpretations in Pediatric and Adolescent Practice
Date of publication: 2019

Author/Editor of Text book: Dr. T V Devarajan
13. Apollo Hospitals, Text Book of Medicine
14. A to Z 1000 Pearls in Internal Medicine
Date of publication: 2018 and 2019

Author/Editor of Text book: Dr. O. P. Sharma
15. Apollo Hospitals MCQs in General Medicine
Date of publication: 2018 and 2019

Author/Editor of Text book: Dr. T V Devarajan
16. Text Book of Pediatric Infectious Diseases - 2019
Date of publication: 2019

Author/Editor of Text book: Emeritus Editor-A Parthasarathy, Editor in Chief: Ritabrata Kundu, Vijay Yewale including nine other editors
17. Rational Antimicrobial Practice in Pediatrics
Date of publication: 2019

Author/Editor of Text book: Nitin Shah, Tanu Singhal, Suhas Prabhu, Vijay Yewale
18. Uterine Leiomyoma
Date of publication: July 2019

Author/Editor of Text book: Pratibha Devabhaktuni, Rani Reddy, Rooma Sinha
19. Clinical Excellence Telemedicine CSR Apollo Homecare Academics Recognition Research Consultants' Achievements
20. Uterine Leiomyoma
ACH, Chennai

1. Dr C Satheesh
Pediatrics, Apollo Children's Hospitals, Chennai

Publications
Dr. C. Satheesh, Dr. N. Mahesh, Conquering the disease trend – Spinal Muscular atrophy type 2, Journal of Neurological Disorder, Vol. 7, April 2019

Lectures
Lecture, Cracking the dilemmas in the Management of Febrile Seizures in child, Madras Pedicon, TN State Pedicon, 18th August 2019

Conquering the disease trend – Spinal Muscular atrophy type 2, International Conference on Neurology and Mental Disorders, Sweden, 12th April 2019

Chairperson for session-Functional GI disorders in children -How to manage?, ISPGHCON, Chennai, 19th October 2019

Chairperson for session -Free Paper, Mumbai National Pedicon, Mumbai, 8th February 2019

Examinership
Convener of examination, DNB Pediatrics Examination, May 2019

AFMH, Chennai

2. Dr T V Devarajan
Internal Medicine, Apollo First Med Hospital, Chennai

Book Published
Editor- Dr T V Devarajan, A to Z 1000 pearls in Internal medicine, Jaypee Brother, 18th August 2019
Editor- Dr T V Devarajan, Textbook of Medicine- 5,000 MCQ's in Internal Medicine, 2nd Edition, Jaypee Brother, 18th August 2019

Presentations
Paper presentation, Key syndrome and tuberculous endocarditis, Intensive Care Conference, Singapore, February 2019

Professional Societies' Positions
Inspector, National Board Exams
Advisor, Medical Educations, Board member for Vinayaga Mission Research Foundation

Awards
Felicitated, Textbook of Medicine, Los Angeles Tamil Association, 2019
Felicitated, Textbook of Medicine by an Indian author, World Tamil Conference in the GTEN (Global Tamil Entrepreneurs Network), Chicago, U.S., July 2019

3. Dr Porselvi Rajin
Medical Gastroenterology, Apollo First Med Hospital, Chennai

Chapters contributed to text books
Dr Porselvi Rajin, Updates in Endoscopy, Apollo Textbook Of Medicine, Editor- Prof. Dr T. V. Devarajan,
Jaypee Brothers Medical Publishers, 2019

Professional Societies’ Positions

Member, Indian Medical Association (IMA)
Member, INASL
Member, ISG

4. Prof R Venkataswami
Plastic Surgery, Apollo First Med Hospital, Chennai

Professional Societies’ Positions

Member, IAAA
Member, INASL
Member, ISG

Awards

Padma Shri Award, 25th January 2019

Ahmedabad

5. Dr Anand S. Iyer
Pediatric Neurology, Apollo Hospitals, Ahmedabad

Chapters contributed to text books

Dr Anand S Iyer, The Lethal Masquerader, Case studies in Neurological Infections of Adults and Children, Editor - Tom Solomon, Cambridge University Press publisher, Page 141-144, March 2019

Dr Anand S Iyer, History Repeating?, Case studies in Neurological Infections of Adults and Children, Editor - Tom Solomon, Cambridge University Press publisher, Page 152-154, March 2019

Publications


6. Dr Apurva Shah
Gastroenterology and Hepatology, Apollo Hospitals, Ahmedabad

Publications


Presentations

Presentation, Primary hepatic lymphoma, rare liver tumor- a case report, APDW, Kolkata, 2019

Presentation, Overlap syndrome consisting of autoimmune hepatitis (AIH) with primary sclerosing cholangitis (PSC) and ulcerative colitis- A rare entity, APDW, Kolkata, 2019

Oral presentation, A case series of severe abdominal pain with peripheral eosinophilia without tissue eosinophilia- an unheard entity, International conference, APDW, Kolkata 2019

Awards

Award of citation, Recognition of published papers, Apollo Hospitals Group, April 2019
7. Dr J P Neema  
Radiation Oncology, Apollo CBCC Cancer Care, Ahmedabad

**Awards**

Life Time Achievement Award, Indian Cooperative Oncology Network (ICON), 2019

8. Dr Usha Bohra  
Obstetrics and Gynaecology, Apollo Hospitals, Ahmedabad

**Awards**

Most Inspiring Gynecologists in the western India awards, Economic Times Group, Mumbai, 7th March 2019

**AIMSR**

9. Dr Aditya  
Physiology, Apollo Institute of Medical Science and Research, Hyderabad

**Lectures**

Organiser, Hands on training in basic molecular biology techniques and bioinformatics, Hyderabad, 9th–11th December 2019

Talk, Biomedical signal processing from a medical perspective, NIT, Warangal to an audience of faculty members from engineering colleges at part of faculty development programme, Telangana, 2019

10. Dr Aruna Kumari Badam  
TB and Chest Diseases, Apollo Institute of Medical Science and Research, Hyderabad

**Publications**


**Presentations**

Poster Presentation, Team based learning-an effective interactive tool for Medical students, METCON -2019, Hyderabad, 4th – 5th January 2019

11. Dr Ayesha Juhi  
Physiology, Apollo Institute of Medical Science and Research, Hyderabad

**Lectures**

Lecture, Blended Learning and Assessment Workshop, ESIC – EPOCH, Place, 1st July 2019

12. Dr C Mrudula  
Anatomy, Apollo Institute of Medical Science and Research, Hyderabad

**Publications**


Dr Shabana Sultana, Dr Mrudula Chandrupatla, Dr Saju Binu Cherian, Gamification And Multimedia For Effective Learning Of Anatomy, Global Journal For Research Analysis, Vol. 8: Issue 6: Page 202-204, June 2019

Shabana Sultana, M A Doshi, N Jayasree, Mrudula Chandrupatla, Comparative study of drug damage caused on Cerebrum in Chick Embryos administered


Lectures

Lecture, Effectiveness and perception of concept maps in learning anatomy among first MBBS students, 18th RSA, GITAM, Vizag, 5th – 6th July 2019

Presentations

Poster Presentation, Disconnect-Connect-Over connect (Nomophobia), 9th METCON, Hyderabad, 2019

13. Dr D V Krishnaveni

Biochemistry, Apollo Institute of Medical Science and Research, Hyderabad

Lectures

Judge, Poster presentation, PGs at NIMS, 3rd State Conference, July 2019

Editorial Boards Membership

Reviewer, Scopus Indexed Journals, since 2019

14. Dr Dasari Chandi Priya

Anatomy, Apollo Institute of Medical Science and Research, Hyderabad

Publications


15. Dr (Prof) Dilip Mathai

General Medicine, Apollo Institute of Medical Science and Research, Hyderabad

Books Published

Co-editor-Dr Dilip Mathai, Textbook of Anatomy, B. D Chaurasia, Three volumes, 8th edition, CBS publisher, 2019

Chapters contributed to text books

Dr Dilip Mathai, Infectious Disease Section 3, Viral Disease, API Textbook of Medicine, Editor- Dr. Sandhya Kamath, 11th edition, Volume 1, CBS Publishers, Page 295-345, 2019

Dr Dilip Mathai, Basic Considerations of Viral Diseases, Chapter 62, API Textbook of Medicine, Editor- Dr. Sandhya Kamath, 11th edition, Volume 1, CBS Publishers, Page 295-301, 2019

Dr Dilip Mathai, Hantavirus Infections, Chapter 73, API Textbook of Medicine, Editor- Dr. Sandhya Kamath, 11th edition, Volume 1, CBS Publishers, Page 338-340, 2019

Publications


Mathur N, Chatla C, Syed S, Patel Y, Pattnaik S, Mathai D, Rajesham A, Prospective 1-year follow-up study of all cured, new sputum smear positive tuberculosis patients under the Revised National Tuberculosis Control Program in Hyderabad, Telangana State, India, Lung India, Vol. 36: Page 519-24, 2019


Raghavendra Rao M V, Sateesh Babu A, Sireesha Bala A, Reshma Fatteh, Mahendra Kumar Verma, J Madhavi, Kumar Ponnusamy, Dilip Mathai, Unraveling the secrets of filariasis (Medical Mystery) (From cure to elimination), International Journal of Pharmacy and Pharmaceutical Research (IJPPR), Vol. 16: Issue 2, September 2019


**Awards**

Life Time Achievement Award, for extensive work in the field of HIV/AIDS, both nationally and internationally, AIDS Society of India, 2019

**16. Dr Dorababu Patchva**

Pharmacology, Apollo Institute of Medical Science and Research, Hyderabad

**Publications**

Sunita Kodidela, Dorababu Patchva, Dimpal Thakkar, Biswajit Dubashi, Rajan Sundaram, Ravi Prasad Nidanapu, Muralidharan Nivedita, Anil Aribandi, Suresh Chandra Pradhan, Chakradhara RS Uppugunduri, Increased Risk of Early Hematologic


17. Dr Fozia Jeelani Wani
Obstetrics and Gynaecology, Apollo Institute of Medical Science and Research, Hyderabad

Lectures

Lecture, Emerging concepts in gynecological practice, Workshop and Conference, Maatrika, Hyderabad, 23rd – 24th November 2019

18. Dr G Pavani
Microbiology, Apollo Institute of Medical Science and Research, Hyderabad

Publications

Dr G Pavani, Interactive teaching in Microbiology: Understanding perspectives of II MBBS students, IJAR, Vol. 10: Issue 7: Page 1-4, August 2019

Dr G Pavani, Dr Tina Priscilla, Student's Perception of the Hidden curriculum in AIMSR, IJAR, Vol. 9: Issue 7: Page 38-40, 2019

Presentations

Poster presentation, Student's Perception of the Hidden curriculum in a medical college, METCON, Hyderabad, 2019

19. Dr Harsha Vardhana Varma
TB and Chest Diseases, Apollo Institute of Medical Science and Research, Hyderabad

Publications


Jayasri Helen Gali, Harsha Vardhana Varma, Factors influencing bronchial asthma exacerbations with special emphasis on inhaler usage, International Journal of Advances in Medicine, Vol. 6: Issue 2: Page 365-370, April 2019

Presentations

Poster Presentation, Large cell neuroendocrine tumour of the lung - A diagnostic challenge, 1stTSTCCON, Gandhi Medical College, Hyderabad, 9th -10th February 2019

20. Dr Hymavathi Bommisetti
Ophthalmology, Apollo Institute of Medical Science and Research, Hyderabad

Publications


Examinership
Examiner, UG exams in Asram medical college, Eluru, February 2019

21. Dr Jayasri Helen Gali
TB and Chest Diseases, Apollo Institute of Medical Science and Research, Hyderabad

Publications


Jayasri Helen Gali, Harsha Vardhana Varma, Factors influencing bronchial asthma exacerbations with special emphasis on inhaler usage, International Journal of Advances in Medicine, Vol. 6: Issue 2: Page 365-370, April 2019

Dr Moorthy N.L.N, Dr Padmaja S, Dr Jayasri Helen G, Dr Jayabhasker Reddy S, Dr Mani Mekhala, Mucor Mycosis induced anterior mediastinal abscess with chest wall invasion- a case report, IOSR Journal of Dental and Medical Sciences (IOSR-JDMS), Vol. 18: Issue 6: Page 08-11, June 2019

Lectures
Chaired a session, ILD of Update on management of advanced lung diseases and lung transplantation, Hyderabad, 4th – 5th May 2019

Judge for poster session, 1st TSTCCON, Gandhi Medical College, Hyderabad, 9th -10th February 2019

22. Dr Katta Tina Priscilla
Dermatology, Apollo Institute of Medical Science and Research, Hyderabad

Publications

Dr G Pavani, Dr Tina Priscilla, Student’s Perception of the Hidden curriculum in AIMSR, IJAR, Vol. 9: Issue 7: Page 38-40, 2019

23. Dr L Prathima
Ophthalmology, Apollo Institute of Medical Science and Research, Hyderabad

Publications


24. Dr M Krishna Kumari
Obstetrics and Gynaecology, Apollo Institute of Medical Science and Research, Hyderabad

Lectures
Delegate, IX Annual Conference in Medical Education Technology, METCON, Hyderabad, 5th-7th January 2019

Faculty, Consensus on Intrahepatic Cholestasis, Goa, 9th-10th March 2019

Faculty, PCOS- protocols for practice, Hyderabad, 16th March 2019

Moderated, Panel discussion, Recurrent Pregnancy Loss, ISOPARB annual conference, Hyderabad, 29th – 31st March 2019
Faculty, PG teaching programme, SRMC, Chennai, 3rd – 5th May 2019

Faculty, CRPF FOGSI joint wellness Initiative and SRH awareness camp, Nagpur, 13th -14th May 2019

Delegate, CISP workshop, Hyderabad, 30th May -1st June 2019

Faculty, 5th TCOG, Nizamabad, August 2019

Faculty, Ovarian stimulation and IUI, ISAR travelling conference, Trivandrum, 2019

Faculty, Emirates Obstetrics and Gynaecology Congress, Dubai, 17th -19th October 2019

Speaker, Tackling Obstetric Dilemmas, OGSH, Hyderabad, 23rd October 2019

Talk, Prevention and Management of SSI in Gynaecological Surgeries, OGSH, Hyderabad, 23rd October 2019

Faculty, PG teaching programme, Eluru, 2nd – 3rd November 2019

Examinership

Examiner, Final MBBS part II, Guntur Medical College, 13th – 16th February 2019

Examiner, Final MBBS part II exams, Kamineni Medical College, August 2019

25. Dr M. Pavani Varma
Community Medicine, Apollo Institute of Medical Science and Research, Hyderabad

Publications


Presentations

Oral presentation, Prevalence of hypertension and its grading among districts of Telangana, Telangana State Public Health Conference, Hyderabad, 2019

26. Dr (Prof) M V Raghavendra Rao
Medicine, Apollo Institute of Medical Science and Research, Hyderabad

Publications


Awards

International Best Scientist, V D Good Technology Factory, New Delhi, 2019

28. Dr N L N Moorthy
Radiology, Apollo Institute of Medical Science and Research, Hyderabad

Publications

Dr Moorthy N.L.N, Dr Padmaja S, Dr Jayasri Helen G, Dr Jayabhasker Reddy S, Dr Mani Mekhala, Mucor Mycosis induced anterior mediastinal abscess with chest wall invasion- a case report, IOSR Journal of Dental and Medical Sciences (IOSR-JDMS), Vol. 18: Issue 6: Page 08-11, June 2019

29. Dr Neetha Kundoor
Biochemistry, Apollo Institute of Medical Science and Research, Hyderabad

Publications


Awards

Best Teacher Award, AIMSR, 2019

30. Dr Nirupama Mandiga
Ophthalmology, Apollo Institute of Medical Science and Research, Hyderabad

Publications


27. Dr Malini Dutta
Physiology, Apollo Institute of Medical Science and Research, Hyderabad

Lectures

Organiser, METCON, AIMSR, Hyderabad, 4th–6th January 2019

Observer, Revised basic workshop, Gandhi Medical College, 9th January 2019
Lectures
Faculty, Phaco training and SICS training, SDEH, August 2019

31. Dr Nisha Bhatia
Obstetrics and Gynaecology, Apollo Institute of Medical Science and Research, Hyderabad

Lectures
Speaker, Fitness and Gynaecologist, YUVA FOGSI, Coimbatore, 30th – 31st March 2019
Faculty, CISP workshop, Hyderabad, 30th May -1st June 2019
Panellist, Oral Contraceptives-Newer and Better, OGSH, Hyderabad, 12th June 2019

Examinership
Examiner, Final MBBS part II exams, Kakinada Medical College, 17th-20th February 2019

32. Dr P Mani Mekhala
Pathology, Apollo Institute of Medical Science and Research, Hyderabad

Publications
Dr Moorthy N.L.N, Dr Padmaja S, Dr Jayasri Helen G, Dr Jayabhasker Reddy S, Dr Mani Mekhala, Mucor Mycosis induced anterior mediastinal abscess with chest wall invasion- a case report, IOSR Journal of Dental and Medical Sciences (IOSR-JDMS), Vol. 18: Issue 6: Page 08-11, June 2019

33. Dr Phadnis Rohit Kiran
General Surgery, Apollo Institute of Medical Science and Research, Hyderabad

Publications
Dr Rohit Phadnis, Dr U Sowmya, Laparoscopic Cholecystectomy In Situs Inversus Totalis –A Case

Presentations
Poster Presentation, Cholecystectomy on Situs Inversus, TS ASICON, 12th National Conference of AIDS Society of INdia, Chennai, 24th November 2019

34. Dr Padmaja Singireddy
Radiology, Apollo Institute of Medical Science and Research, Hyderabad

Publications
Dr Moorthy N.L.N, Dr Padmaja S, Dr Jayasri Helen G, Dr Jayabhasker Reddy S, Dr Mani Mekhala, Mucor Mycosis induced anterior mediastinal abscess with chest wall invasion- a case report, IOSR Journal of Dental and Medical Sciences (IOSR-JDMS), Vol. 18: Issue 6: Page 08-11, June 2019

35. Dr Prapthi Persis
Pharmacology, Apollo Institute of Medical Science and Research, Hyderabad

Awards
Best Teacher Award, AIMSR, 2019

36. Dr S Manick Dass
Microbiology, Apollo Institute of Medical Science and Research, Hyderabad

Lectures
Guest Lecture, On Faecal Microbioata Transplantation (FMT), IAMM state chapter conference, Hyderabad,
February 2019

Guest Lecture, On High end Antibiotic policy and practices at symposium on recent advances in Infectious Diseases, ESI Medical College, Hyderabad, 2019

Guest Lecture, On Paediatric AMSP from Microbiologist point of you, National Conference on Paediatric Infectious Diseases, Hyderabad, 2nd November 2019

Chairman, Scientific Session, Symposium on Viral hepatitis, ESI Medical College, Hyderabad, 5th October 2019

Chaired a talk, Viral Hepatitis E and chronicity– a growing concern in India, Symposium on Viral hepatitis, ESI Medical College, Hyderabad, 5th October 2019

37. Dr Ram Reddy
Physiology, Apollo Institute of Medical Science and Research, Hyderabad

Lectures

Conduct workshop, Changing orientation of faculty as per the new competencies based medical education for entire professors of MBBS of Telangana state, I MBBS curriculum, Telangana, 2019

Professional Societies' Positions

Chairman, Board of Studies, I MBBS KNRUHS, since 2019

Awards

Best Teacher Award, AIMSIR, 2019

38. Dr Rani Reddy
Obstetrics and Gynaecology, Apollo Institute of Medical Science and Research, Hyderabad

Lectures

Faculty, 5th TCOG, Nizamabad, August 2019

Speaker, World Menopause Day, Hyderabad, 18th October 2019

Talk, Clinical Symptoms of Menopause, World Menopause Day, Hyderabad, 18th October 2019

Chairperson, Maatrika, ISOPARB Hyderabad, 23rd – 24th November 2019

39. Dr Sagar Balajirao Kotalwar
General Surgery, Apollo Institute of Medical Science and Research, Hyderabad

Publications


40. Dr Sairam Challa
Community Medicine, Apollo Institute of Medical Science and Research, Hyderabad

Publications


Lectures

Guest Speaker, Data analysis using inferential statistics: Generating tables and analysing the results, University of Hyderabad, Hyderabad, 27th February 2019
41. Dr Saju Binu Cherian
Anatomy, Apollo Institute of Medical Science and Research, Hyderabad

Publications

Dr. Shabana Sultana, Dr. Mrudula Chandrupatla, Dr. Saju Binu Cherian, Gamification and multimedia for effective learning of Anatomy, Global Journal For Research Analysis, Vol. 8: Issue 6: Page 202- 204, June 2019

Presentations
Oral paper presentation, Clinically Oriented Anatomy Teaching (COAT): An Approach for Developing Critical-thinking skills in Undergraduate Medical Students, Association of Medical Educationists State level Conference METCON, Hyderabad, 2019

Oral paper presentation, Question of the day: An experiential learning activity to instigate active learning, National Conference on Health Professions Education, NCHPE, KLE, Belgaum, 21st -23rd November 2019

Awards
Oral Paper Presentation Award, for Clinically Oriented Anatomy Teaching (COAT): An Approach for Developing Critical-thinking skills in Undergraduate Medical Students at, Association of Medical Educationists State level Conference METCON, Hyderabad, 2019

Consolation prize, A randomized double blind study to determine the effect of Bio- fortified Pearl millet compared to conventional Pearl millet among preschool children with anemia residing in Urban Slums, MAHE- FAIMER, International Institute for Leadership in Inter professional Education, Hyderabad, 7th July 2019

42. Dr Satyanarayana Reddy
Ophthalmology, Apollo Institute of Medical Science and Research, Hyderabad

Publications


43. Dr Shabana Sultana
Anatomy, Apollo Institute of Medical Science and Research, Hyderabad

Publications

Dr. Shabana Sultana, Dr. Mrudula Chandrupatla, Dr. Saju Binu Cherian, Gamification And Multimedia For Effective Learning Of Anatomy, Global Journal For Research Analysis, Vol. 8: Issue 6: Page 202- 204, June 2019

Shabana Sultana, M ADoshi, NJayasree, Mrudula Chandrupatla, Comparative study of drug damage caused on Cerebrum in Chick Embryos administered with Drugs-Cyclophosphamide and Sodium Valproate, Journal of Pharmaceutical Sciences and Research, Vol. 11: Issue 6, Page 2220-2223, 2019


Sai Thanmai Kota, Shabana Sultana, Mrudula Chandrupatla, Hour glass stomach, European journal of pharmaceutical and medical research, Vol. 6: Issue 8, July 2019

44. Dr Snigdha Pattnaik
Community Medicine, Apollo Institute of Medical Science and Research, Hyderabad

Publications
Snigdha Pattnaik, Rayyan Abdul Khader, A cross sectional study on knowledge, attitude and behaviour regarding swine flu in urban slum of Hyderabad, India, International Journal of Research in Medical Sciences, Vol. 7: Issue 8: Page 3014-3019, August 2019

45. Dr Srilatha Bashetty
Biochemistry, Apollo Institute of Medical Science and Research, Hyderabad

Publications

46. Dr S Srikrishna
Paediatrics, Apollo Institute of Medical Science and Research, Hyderabad

Professional Societies’ Positions
Executive Board member, Indian Academy of Pediatrics from Telangana State, since 2019

Awards
Best Teacher Award, Apollo Medical college, 2019

47. Dr Sudarshan Reddy
Paediatrics, Apollo Institute of Medical Science and Research, Hyderabad

Lectures
Chairperson, Scientific Committee, National conference of Pediatric Infectious Diseases, Hyderabad, November 2019

Professional Societies’ Positions
Member, Indian Academy of Pediatrics from Telangana state

48. Dr Sumana Sen
Pharmacology, Apollo Institute of Medical Science and Research, Hyderabad

Professional Societies’ Positions
Evaluator, Research Expert committee of Rajiv Gandhi University of health Sciences (RGUHS), Karnataka, since 2019

Examinership
Ph.D examiner, Banaras Hindu university, December 2019

49. Dr T Sanjay Reddy
Ophthalmology, Apollo Institute of Medical Science and Research, Hyderabad

Publications

50. Dr Uma Unnikrishnan  
Biochemistry, Apollo Institute of Medical Science and Research, Hyderabad  

Presentations  
Poster Presentation, METCON conference, January 2019  

Awards  
First prize for Poster presentation in Faculty category, Third State Conference of Telangana chapter-Association of Medical Biochemists of India TS-AMBI, Hyderabad, June 2019  

51. Dr V Rama Mohan Rao  
General Surgery, Apollo Institute of Medical Science and Research, Hyderabad  

Publications  

Apollo Proton Cancer Center  
52. Dr Pankaj Kumar Panda  
Radiation Oncology, Apollo Proton Cancer Centre, Chennai  

Lectures  
Organised, Chennai - Australia and Asia Pacific Clinical Oncology Research Development (ACORD) one-day workshop, Chennai, September 2019  

Faculty, Clinical Oncology Research for graduate and post-graduate trainees, Bhagwan Mahaveer Cancer Hospital and Research Centre, Jaipur, December 2019  

Presentations  
Recent Advances in Oral Cancer Management, Association of Oral and Maxillofacial Surgeons of India lecture series, Chennai, April 2019  

Clinical Oncology Research for graduate and post-graduate trainees, Association of Oral and Maxillofacial Surgeons of India Master Class, Bhubaneswar, March 2019  

Professional Societies’ Positions  
Member, Dental Council of India (DCI), since January 2013  
Member, American Society of Clinical Oncology (ASCO), since October 2016  
Member, European Society of Medical Oncology (ESMO), since April 2019  

Apollo Spectra  
53. Dr Anand Kavi  
Spine Surgery, Apollo Spectra, Pune  

Awards  
Felicitated by Chief Minister Chhattisgarh at a conference in Raipur, March 2019  

Bangalore  
54. Dr Aruna R Patil  
Radiology, Apollo Hospitals, Bangalore  

Awards  
Cum Laude Award, Exhibit at McCormick place, RSNA, Chicago, 4th December 2019  

55. Dr Chitra Ramamurthy  
Obstetrics and Gynaecology, Apollo Hospitals, Bangalore  

Lectures  
Chairperson, 2nd National Cradle Conference, Bengaluru, 26th – 28th July 2019  

56. Dr Mala Prakash  
Obstetrics and Gynaecology, Apollo Hospitals, Bangalore  

Lectures  
Chairperson, 2nd National Cradle Conference, Bengaluru, 26th – 28th July 2019
57. Dr. Narasimhaiah Srinivasaiah  
Colorectal Surgery, Pelvic and Peritoneal oncology, Apollo Hospitals, Bangalore

Publications


Lectures

Lectures, Robotics, 1st GEMAS Videocon, Calcutta, 23rd November 2019

Right Hemi-colectomy – A precision based procedure, 8th International Biennial colorectal conference, CMC Vellore, 31st October – 2nd November 2019

Lecture, S K Panduranga Rao endowment, IMA, Ballar, Karnataka, 29th August 2019


Key note address, Indian Public school- Patil’s Charitable Trust, Annual day, 23rd November 2019

Key note address, AMC Institutions, Bangalore, Ayur Health celebrations, 21st September 2019

Key note address, Golden Jubilee celebrations of Karnataka Cancer Society, IISc, Bangalore, 27th January 2019

Chair / panellist, Sessions, 3rd Apollo International Colorectal Symposium, 22nd– 24th March 2019

Chaired session, MIS in onco-surgery, Apollo Cancer congress, Chennai, 26th January 2019

Panel discussion, Onco-surgery, Apollo Cancer congress, Chennai, 26th January 2019

Editorial Boards Membership

Editorial Member, World Journal of Surgery and Surgical Research

Member, Clinics in Surgery Journal editorial team

Professional Societies' Positions

Honorary Consultant, Laparoscopic general / colorectal / onco-surgery, PAH NHS Trust, UK

Honorary Senior Lecturer, Queen Mary University of London, UK

Founder, CANFRI.ORG (A charitable CSR venture), Rural Bangalore, India

Founder, NaNiDam.org (A wellness and healthcare venture), Rural Bangalore, India

Advisor, Karnataka Cancer Society, Bangalore

Member, Bangalore Oncology Group

Member, ACPGBI

Member, RSM – Coloproctology

Member, ESCP

Member, DUKE Clu

Awards

Receipt of Cash Award for a academic accomplishment of publishing three paper for the year 2019, from Dr Prathap C Reddy, Chairman of Apollo Hospitals

Receipt of a personal citation, Clinical accomplishment of stretching the boundaries of laparoscopic colorectal and pelvic surgery, Apollo Chairman Dr Prathap Reddy, 2019

58. Dr. Prashanth Urs  
Paediatrics and Neonatology, Apollo Hospitals, Bangalore

Lectures

Chairperson, 2nd National Cradle Conference, Bengaluru, 26th – 28th July 2019

59. Dr. Raviraj A  
Orthopaedics, Joint Replacement, Apollo Hospitals, Bangalore

Publications

A Raviraj, Vidyasagar Maalepati, Ashish Anand,


Professional Societies' Positions

Academic teacher, Training orthopaedic post graduates for Diplomate of National board (DNB), since 2019

60. Dr Shabnam Bashir
Colorectal Surgery, Apollo Hospitals, Bangalore

Chapters contributed to text books

Dr Shabnam Bashir, Breast Cancer, A Textbook of Clinical Oncology in Indian Context, Chapter 6, Editor- Suresh Sanchetee, 1st edition, Jodhpur San Hos, Page 680, 1st January 2019

61. Dr Venkatesh HK
Neuroanaesthesia and Neurocritical Care, Apollo Hospitals, Bangalore

Publications


Lectures

Course instructor, ENLS course, Neurocritical care

Society, USA, DM Hospital, Pune, 7th January 2019

Guest faculty, Postgraduate Training Programme, PG Excel, Bangalore, 9th– 10th February 2019

Faculty, Perioperative Neuromonitoring, 20th National Conference of ISNACC, Gurugram, Delhi, 15th -17th February 2019

Faculty, Airway in Trauma, Airway workshop, JSS medical college, Mysore, 2nd -3rd November 2019

Panelist, Certification courses in Neuroanesthesia and Neurocritical Care- is it productive or Counter-productive, AIIMS Update, New Delhi, 19th-20th October, 2019

Faculty and Course Coordinator and Instructor of CTLS (Comprehensive Trauma Life Support) Course, Preconference workshop of ISA National Conference, Bengaluru, 24th -25th November 2019

Professional Societies' Positions

Life member, Indian Society of Anaesthesiologists, since 1996

Life member, Indian Society of Neuroanaesthesiology and Critical Care, India, since 2000

Life member, Neurological Society of India, since 2003

Life member, ITACCS, Indian Chapter, since 2005

Life member, IMA, Indian Medical Association, since 2008

Member, Neurocritical Care Society, USA, since 2015

President, Indian Society of Neuroanaesthesiology and Critical Care (ISNACC), since 2019

President Elect, Indian Society of Neuroanaesthesiology and Critical Care (ISNACC), since 2018
Bhubaneshwar

62. Dr Ajit Surin
Dermatology, Apollo Hospitals, Bhubaneswar

Publications

Lectures
Lecture, Approach the TAKAYASHU ARTERITIS, Annual State Conference of Rheumatology, Cuttack, 13th – 14th December 2019
Lecture, REACH SUMMIT on Inflammation and Immunology, Chiang Mai, Thailand, 24th – 28th January 2019

63. Dr Amitav Mohanty
General Medicine, Apollo Hospitals, Bhubaneswar

Lectures
Lecture, a clinical approach to fever in adults, Meeting on fever/ infections, Bangalore, 15th-17th November 2019

64. Dr Debabrata Padhy
Orthopedics, Apollo Hospitals, Bhubaneswar

Lectures
Lecture, Tibial Lucency-when it is important, IOACON, 64th Annual Orthopedic Conference, Kolkata, 21st - 24th November 2019
Lecture, Impact of Extabian on outcome & posterior condylar offset-Difference in TKR, IOACON 2019, Kolkata, 21st -24th November 2019
Lecture, Fracture in growing skeletons- How they are different, State Orthopaedic Conference, Berhampur, 11th-13th January 2019
Course Trainer, THR Lab, Ms Ramiya Cadaver,18-21 March 2020
Lecture, Digital femoral fracture- Management principle, AO basic course, Bhubaneshwar, 2019

Professional Societies' Positions
Executive body member, Indian Arthroplasty Association, since 2019
Founder Secretary, Odisha Arthroplasty Association, since 2017

Awards
Primetime Global Health Care Excellence Award, Best Arthroplasty surgery of Odisha, 27th July 2019

65. Dr Dipika Mohanty
Haematology, Apollo Hospitals, Bhubaneswar

Editorial Boards Membership
Member, Indian Journal of Medical Research, since 2015
Member, Editorial Board Member of Journal of Blood Transfusion and Diseases, USA, Since 2016
Member, Editorial Board Member of Genetics Research International, Since 2017
Reviewer, Current Pharmaceutical Bio-technology Journal, since 2015

Member of task forces of Government of India or State Governments
Member, Peer Review Committee of ICMR, Haematology, Physiology, Genetics and Pharmacology
Advisor, Health Surveillance of Himoglobinopathies

Awards
RULA AWARDS, Relief of acute chest syndrome of
Sickle cell anaemia by Nitric Oxide Inhalation- A Report of 2 Case, World Research Council & United Medical Council, December 2019

Samarpita Sevasanman Award, dedicated service towards promotion of Voluntary Blood Donation, December 2019

66. Dr Kahnu Das
Histopathology, Apollo Hospitals, Bhubaneswar

Publications
Dr Das, K.C., Dr Anshuman, Dr Rajat Khandelwal, Dr Kailash Mohitey, Dr Pepse Pradhan, Extra-Pulmonary Tuberculosis is associated with an unusual cause of DVT –a rare case report, International Journal of Current research, Volume 11: Issue2: Page 1078-1081, February 2019

67. Dr Laxmikanta Mishra
Plastic Surgery, Apollo Hospitals, Bhubaneswar

Lectures
Lecture, International Conference on Aesthetic Surgery, Kolkata, 24th -26th January 2019

68. Dr Madhusudan Modi
Surgical Gastroenterology, Apollo Hospitals, Bhubaneswar

Examinership
MRCS of The Royal College Of surgeons, England, January 2019

69. Dr Md Ibrarullah
Surgical Gastroenterology, Apollo Hospitals, Bhubaneswar

Books published
Editor - Mohammad Ibrarullah, ATLAS of Diagnostic Endoscopy, 3rd edition, CRC Press publisher, 4th December 2019

Publications


Dr Mohammad Ibrarullah, Abdominal tuberculosis, Medical Gastroenterology, Volume 23: Issue 3: Page 150-153, 2019

Lectures
Lecture, Open CBD Exploration (Video presentation), Annual Conference of ASI, 2019, Bhubaneswar, 18th – 21 December 2019

Lecture, Pancreatic Necrosectomy, Annual Conference of IHPBA, Jaipur, January 2019

Editorial Boards Membership
Member, Indian Journal of Surgery, since 2019

Awards
Travel Grant Award, 31st Annual Meeting of Japanese Society of HPB surgery, Takamatsu, Japan, 14th June 2019
70. Dr Manoj Chhotray  
General Medicine, Apollo Hospitals, Bhubaneswar  

**Professional Societies' Positions**  
President, Indian Medical Association, since 2016  
Vice President, Indian Rheumatological Association, since 2017  

71. Dr Nisith Kumar Mohanty  
Nephrology, Apollo Hospitals, Bhubaneswar  

**Lectures**  
Lecture, Anemia management beyond EPO, ISN Annual Conference, Chandigarh, 20th-24th November 2019  

72. Dr Prafulla Kumar Sahoo  
Neurosurgery, Apollo Hospitals, Bhubaneswar  

**Lectures**  
Lecture, Evidence based in Management of medulloblastoma, Neuro Surgical Society of India (NSSI), Annual Conference, Guwahati, 26th February 2019  
Lecture, National CME on Neuro critical care, NIMHANS, Bangalore, 14-15 June, 2019  
Lecture, Indications technique, NSSA, Kochi, 21-29 August 2019  

**Professional Societies' Positions**  
Secretary, Neurological Society of Odisha, since 2019  

**Examinership**  
Examiner, DNB Neurosurgery, NIMS, Hyderabad, 27-30 March 2019  
Examiner, MCH Neurosurgery, RIMS, Ranchi, 18-21 September 2019  

73. Dr Prasant Kumar Sahoo  
Cardiology, Apollo Hospitals, Bhubaneswar  

**Lectures**  
Lecture, Nightmares in cathlab: How to tackle the menace, 71st National Cardiological Society of India, Delhi, 5th – 6th December 2019  

74. Dr Sambit Das  
Endocrinology, Apollo Hospitals, Bhubaneswar  

**Publications**  
Surender Kumar, Pradeep G Talwalkar, Sambit Das, Soumik Goswami, Cardiovascular Effects of Sodium Glucose Co-transporter-2 Inhibitors in Patients with Type 2 Diabetes Mellitus, Indian Journal of Endocrinology & Metabolism, Volume 23: Issue1: Page 150-158, October 2019  
75. Dr Sanjeev Patnaik
Orthopedics, Apollo Hospitals, Bhubaneswar

Lectures

Lecture, Management of Proximal Femoral Fractures by Trigen Intertan Nail, Trauma Instructional Course, Bangalore, Date December 2019

Lecture, Coxofemoral Bypass, 64th Annual Orthopedic Conference of Indian Orthopedic Association, Kolkata, 19th – 24th November 2019

Lecture, Minimally Invasive Total Hip Replacement using Anterolateral approach is it only a Hype or deserves merit, BIT’s 6th Annual World Congress of Orthopedics, Dalian, China, 11th – 13th October 2019

Lecture, COXO femoral Bypass in Elderly, Unstable Intertrochanteric femur fractures, 7th International GOSICON, Aurangabad, 9th September 2019

Lecture, Optimising patients for a successful TKR and choosing the winners, IHKS, Yogyakarta, Indonesia, 21st – 25th August 2019

Lecture, Management algorithm in pilon fractures, Lower Extremity Advanced Technology forum, Kolkata, February 2019

Lecture, Future Articulations in TKR, Summit on Tribology and Newer Advances in Arthroplasty, New Delhi, February 2019

Alignment in TKA-What is the impact on wear?, Summit on Tribology and Newer Advances in Arthroplasty, New Delhi, February 2019

Lecture, The Trigger Intertan Mail- The Wonder Mail, Annual Odisha Orthopaedics Conference, Berhampur, January 2019

Awards

ICON of the Healthcare Award at south Asia pacific Healthcare Summit and Business Awards, ICON of the Healthcare Award, 14th December 2019

76. Dr Satyabrata Dash
Psychiatry, Apollo Hospitals Bhubaneswar

Professional Societies' Positions

Chairperson, Web site Committee IPS-OSB, since 2018

77. Dr Satyabrata Tripathy
Dermatology, Apollo Hospitals, Bhubaneswar

Lectures

Lecture, National IADVL conference, Bangalore, 10th – 13th January 2019

78. Dr Sharmili Sinha
Critical care, Apollo Hospitals, Bhubaneswar

Publications

**Lectures**

Lecture, Advance in hemodynamic monitoring, Tata Memorial centre Alumni meet and Anaesthesia update, TMH, Mumbai, 29th June 2019

Lecture, Advance in Rib fractures, PGI Medical Education and Research, Chandigarh, 29th July 2019

Lecture, Management of severe traumatic brain injuries, PGI Medical Education and Research, Chandigarh, 29th July 2019

I want to measure GFR in ICU - How?, East Zone Critical Care Conference, Kolkata, 16th-18th November 2019

Lecture, Daily investigation in ICU, National Critical Care Conference, Mumbai, 31st January-3rd February 2019

Organising Chairperson, 2nd Odisha Annual Critical Care Conference (Under the banner of ISCCM), Bhubaneswar, 2019

**Professional Societies' Positions**

Chairperson, Indian society of Critical Care, Bhubaneswar, since 2019

**79. Dr Smarajit Patnaik**
Orthopedics, Apollo Hospitals, Bhubaneswar

**Professional Societies' Positions**

Member, American Academy and European Society for Knee Surgery and Arthroscopy, since 2017

**80. Dr Sreeharsha Satpathy**
Cardiac Anaesthesia, Apollo Hospitals, Bhubaneswar

**Professional Societies' Positions**

Member, Indian Association of Cardiothoracic Anaesthesiologist (IACTA), since April 2014

**81. Dr Suneeta Sahu**
Neurosurgery, Apollo Hospitals, Bhubaneswar

**Publications**


**82. Dr Suryakanta Pradhan**
Psychiatric, Apollo Hospitals, Bhubaneswar

**Publications**

Santosh Kumar Swain, Sampada Munjal, Suryakanta Pradhan, Pediatric Cough, Apollo Medicine, Volume 16: Issue 2: Page 87-92, June 2019

**83. Dr Suryakanta Swain**
Pediatrics, Apollo Hospitals, Bhubaneswar

**Lectures**

Lecture, PEDICON 2019, Mumbai, 5th – 10th February 2019

**84. Dr Suryanarayan Mohanty**
Obstetrics and Gynaecology, Apollo Hospitals, Bhubaneswar

**Lectures**

Lecture, AICOG, Bangalore, 10th-13th January 2019

**Bilaspur**

**85. Dr (Prof) Kalpana Dash**
Endocrinology, Apollo Hospitals, Bilaspur

**Publications**

Lectures

Lecture, Hypogonadism in diabetes and obesity, NUCD, Nagpur, 13th January 2019
Lecture, Interpretation Peripheral Arterial Disease (PAD): CRESCENDO, Kolkata, 9th August 2019
Lecture, Indian Diabetics and its unique pathophysiology and treatment options, Jabalpur, Endocrine Society, 20th September 2019
Lecture, Pancreatic Diabetes: GLUCOCRINOLOGY, Indore, 27th September 2019
Lecture, Reversal of Aging: Is it possible?: ESICON Annual Conference, Nagpur, 23rd November 2019

Clinical and Demographic Profile of T2DM Patients: an Epidemiology Report from Central Chhattisgarh State Raipur and Bilaspur Apollo Sugar Clinic, ENDO-Society Annual Scientific Meeting, New Orleans, Louisiana, USA, 2019
Clinical Approach to Precocious puberty, Annual conference of ESOCON, MKCG Medical College, Berhampur Orissa, 14th December 2019

Presentations

Paper Presentation, Diabetes Educational And Risk Scoring (Dear) App For Patients At Apollo Sugar Clinics-A tool that gives an early indication, 12th International conference on Advanced Technologies and Treatments for Diabetes (ATTD), Berlin, Germany, 20th-23rd February 2019

Editorial Boards Membership

Editorial Board Member, Apollo Medical Journal
Editorial Board Member, Official Journal published by Elsevier publisher

Professional Societies' Positions

Member, Chhattisgarh Health (Ayush) and Member, Medical Science University (Chhattishgarh Ayush and Swashthya Vigyan University)

Life member, Endocrine society of India (ESI), India
Life member, American Endocrine Society (AES), USA
Member, American Diabetic Association (ADA), USA
Life member, Research Society of Study of Diabetes in India (RSSDI)
Life member, Indian Medical Association (IMA), India
Life member, Endocrine Society of Orissa (ESO), Orissa

Awards

The Honorable Adjunct Professor Of Endocrinology, for conducting research activities and academics in the Institute, 2019

86. Dr Rashmi Sharma
Obstetrics and Gynaecology, Apollo Hospitals, Bilaspur

87. Dr Vinit Kumar Srivastava
Neuro-Anesthesiology, Apollo Hospitals, Bilaspur

Professional Societies' Positions

Life member, Federation of Obstetrics and Gynecology Society of India

Awards

Fellowship, RCOG, London, 15th June 2019

87. Dr Vinit Kumar Srivastava
Neuro-Anesthesiology, Apollo Hospitals, Bilaspur

Publications


Editorial Boards Membership

Editorial Board Member, Journal of ARC
Reviewer, PLOSONE, since 2018
Reviewer, Yonsi Medical Journal, since 2015
Reviewer, TRIALS Journal, since 2015
Reviewer, Acta Anaesthesiologica Scandinavica, since 2017
Reviewer, Acta Anaesthesiologica Belgica, since 2018
Reviewer, International Journal of Surgery Research and Practice, since 2016
Reviewer, International Journal of Anesthetics and Anesthesiology, since 2016
Reviewer, Journal of Clinical and Diagnostic Research, since 2014
Reviewer, Anesthesiology Research and Practise
Reviewer, Turkish Journal of Gastroenterology

Professional Societies' Positions

Member, Indian Society of Anaesthesia
Member, Indian Society of Critical Care
Member, Indian Society of Neuroanaesthesiology & Critical Care

Awards

Adjucent Professor, AHERF, 2019

Chennai

88. Dr AR Gayathri
Respiratory Medicine, Apollo Hospitals, Chennai

Publications


89. Dr Anand Murugesan
Pain Medicine and Interventional Pain Management, Apollo Hospitals, Chennai

Lectures

Speaker, Ultrasound teaching in European Pain forum, Tignes, France, January 2019

90. Dr Anil
Molecular Laboratory, Apollo Hospitals, Chennai

Lectures

Lecture, Clinical NGS for Pathologists, Mahatma Gandhi Medical College, Pondicherry, 16th November 2019

91. Dr Arshad Akeel
Internal Medicine, Apollo Hospitals, Chennai

Publications


Professional Societies' Positions

Member, American Diabetic Association, since March 2019
Member, American College of Cardiology, since 2015

Awards

Honorary Adjunct Title of Associate Professor, AHERF, 2019

92. Dr Bharath Kumar Tirupakuzhi Vijayaraghavan
Critical Care Medicine, Apollo Hospitals, Chennai

Books Published


Publications


Lectures

Organised, Evidence Interpretation and Research Methodology workshop, Indian Society of Critical Care Medicine South Zone annual conference, Vishakapatnam, 16th August 2019

Organised, Applied Statistics and Research Methods for the Clinician, Indian Society of Critical Care Medicine, Chennai, 12th January 2019

Presentations

E- Poster, Improving Mobility in critically ill adults in a Lower-Middle income country: Opportunities and Challenges, Canadian Critical Care Forum meeting, Toronto, November 2019

E- Poster, Implementing an Intensive care registry in India, Canadian Critical Care Forum meeting, Toronto, November 2019

93. Dr Chidambaranathan
Radiology, Apollo Hospitals, Chennai

Presentations

Presentation, RSNA conference, Chicago, USA, 29th November– 7th December 2019

Awards

Sir Jagadeesh Chandra Bose Oration Award, 72nd Annual Conference of Indian Radiological Imaging Association, Chandigarh, 17th – 20th January 2019

94. Dr Ganapathy Krishnan
Neurosurgery, Apollo Hospitals, Chennai

Editorial Boards Membership

Member, Editorial board, Journal of the International Society for Telemedicine and eHealth, since 2019

95. Dr D Rajasekar
Orthopedics, Apollo Hospitals, Chennai

Lectures

Lecture, National Cartilage Society Congress, Mumbai, 1st – 2nd November 2019
96. Dr I Sathyamurthy
Interventional Cardiology, Apollo Hospitals, Chennai

Publications

Gunasekharan Sengottuvelu, Paul Pandi Vinodh kumar, I Sathyamurthy, Multiple coronary artery aneurysms seen five years after Absorb implantation during routine angiographic and OCT follow-up, Asia Intervention, Vol. 5: Page 132-133, 2019


97. Dr J K A Jameel
Surgical Gastroenterology, Apollo Hospitals, Chennai

Lectures
Lecture, Advanced laparoscopy in Gastrointestinal Diseases, Madras Medical College and Rajiv Gandhi Government General Hospital, Chennai, 26th October 2019

Talk, IMA, Silchar, Assam, 9th September 2019

98. Dr Jagadeesh Chandrasekaran
General Medicine, Apollo Hospitals, Chennai

Publications


Jagadeesh Chandrasekaran, Histoplasmosis in an apparently Immunocompetent Host – A perplexing Presentation as Submandibular Oedema, Annals of Medical and Biomedical Sciences, Vol. 5: Issue 1: Page 4-7, August 2019

Professional Societies’ Positions
Member, Occupational and environmental health committee, American College of Chest Physicians, since 2019

Examinership
Co-ordinator, Final DNB General Medicine Practical Exam, Chennai, 29th-31st October 2019

Examiner, Diploma Course, Apollo Medvarsity: Masterclass in Internal Medicine, 1st November 2019

Awards
Honorary Adjunct Title of ‘Distinguished Clinical Tutor’ in recognition of contribution towards medical education and clinical training, AHERF, 2019

99. Dr Joy Varghese
Neurosurgery, Apollo Hospitals, Chennai

Lectures
Lecture, Management of Complex aneurysms, Neuroendovascular surgery training workshop, Kozhikode, Kerala, 30th – 31st March 2019
100. Dr K C Prakash
Nephrology, Apollo Hospitals, Chennai

Lectures
Talk, SRNMCON conference, Bangalore, 24th August 2019

101. Dr K J Raghunath
General Surgery, Apollo Hospitals, Chennai

Publications

102. Dr Kalaivani Ramalingam
Obstetric and Urogynaecology, Apollo Hospitals, Chennai

Publications

103. Dr Kannan Prema
Plastic surgery, Apollo Hospitals, Chennai

Presentations
Poster Presentation, Sacral Pressure Sore-Interdisciplinary Approach to Management, 21stAnnual meeting of the European Pressure ulcer advisory Panel, Lyon, France, 16th – 26th September 2019

104. Dr L Sundararajan
Respiratory Medicine, Apollo Hospitals, Chennai

Publications

105. Dr M R Sivakumar
Neurology, Apollo Hospitals, Chennai

Presentations
Presentation, 5th Congress of European Academy of Neurology, OSLO, Norway, 29th June – 2nd July 2019

Professional Societies' Positions
Member, Classification committee, Recommendations for large vessel vasculitis, European League of Rheumatologists, since 2019

106. Dr M Yusuf
Cardiac Surgery, Apollo Hospitals, Chennai

Lectures
Faculty, Hybrid surgery, IMICS conference, Mumbai, 12th – 13th September 2019

107. Dr Mathi Manoj
General Medicine, Apollo Hospitals, Chennai

Publications

108. Dr Murlidhar Rajagopalan
Dermatology, Apollo Hospitals, Chennai

Awards
Lifetime Achievement Award, SAARC Dermatology Conference, Jodhpur, 21st December 2019

109. Dr N K Narayanan
Endocrinology, Apollo Hospitals, Chennai

Publications
110. Dr Prof. Rajendiran Natarajan  
Diabetology, Apollo Hospitals, Chennai  

Professional Societies' Positions  
Secretary, Diabetes Association of India, Southern Chapter (DAISC), since 2009  
President, Madras Medical college Diploma in Diabetology Alumni Association, MMC-DDAA, since 2001  
Lifetime Member, American Diabetes Association  
Lifetime Member, International Diabetes Federation  
Lifetime Member, European Association for the Study of Diabetes, (EASD)  
Lifetime Member, Diabetic Association of India (DAI), Southern Chapter, Chennai  
Lifetime Member, Research Society for the Study of Diabetes in India (RSSDI)  
Lifetime Member, Association of Physicians of India (API)  
Appraiser, BNB Courses, National Board of Education, New Delhi  

Member of task forces of Government of India or State Governments  
Member, Paramedical Advisory Forum, Department of Pharmaceuticals, Ministry of Chemicals and Fertilizers, Government of India  

111. Dr Nagarajan Ramakrishnan  
Critical Care Medicine, Sleep Medicine, Apollo Hospitals, Chennai  

Chapters contributed to text books  

Dr Nagarajan Ramakrishnan, Intensive Care and Basic Life Support, Textbook of Medicine, Editor- TV Devarajan, 2nd edition, Jaypee Brothers Medical Publishers, Page 41- 61, 2019  


Publications  


Vijayaraghavan BKT, Venkataraman R, Ramakrishnan N,


Oration
Nutrition therapy in Critical Care: Food for thought, South Zone Critical Care Conference, Visakhapatnam, August 2019

Nutrition Therapy in Critical Care: Food for thought, South Zone Critical Care Conference, Visakhapatnam, August 2019

Lectures

Fatigue in Neuropsychiatric disorders: Relationship to Sleep, National Sleep Medicine Course (NSMC), India Sleep, Chennai, September 2019

Economics of Critical Care, Apollo Advanced Critical Care Conference, Chennai, August 2019

Underfeeding and Overfeeding in ICU, Annual Conference of Indian Society of Parenteral and Enteral Nutrition, Chennai, July 2019

Medicolegal Aspects of Obstructive Sleep Apnea, SLEEPCON, New Delhi, April 2019

Western Guidelines should be used in India. PRO-CON Debate, Criticare, Mumbai, February 2019

Panalist, Nutrition in GI Diseases, Clinical Nutrition Excellence Academy, 2019

Presentations

Advisor, Scientific Committee, South Zone Critical Care Conference, Visakhapatnam, 2019

Poster presentation, Implementation of an intensive care registry in India (IRIS): Barriers and Opportunities, Canadian critical care forum, Toronto, 10th – 13th November 2019

Poster presentation, Obstructive Sleep Apnea (OSA) And Floppy Eyelid Syndromean Eye Opener, World Sleep, Vancouver, Canada, 20th – 25th September 2019

Poster Presentation, Sleep patterns and Distractors in College students, World Sleep, Vancouver, Canada, 20th – 25th September 2019

Oral presentation, H1N1 Pneumonia: Epidemiology and Outcomes, South Zone Critical Care Conference, Visakhapatnam, 2019

Poster presentation, Certification renewal rates among participants of Life Support courses, Criticare Mumbai, 1st-3rd February 2019

Oral Presentation, Incidence of Delirium in Non-
Intubated Critically Ill Patients, Criticare, Mumbai, 1st-3rd February 2019

Editorial Boards Membership

Editor, Indian Journal of Sleep Medicine, since 2010
Associate Editor, Apollo Medicine Journal, since 2015
Scientific Reviewer, Journal of Intensive Care Medicine
Scientific Reviewer, National Medical Journal of India
Scientific Reviewer, Indian Journal of Critical Care Medicine, since 2004
Scientific Reviewer, Indian Journal of Anaesthesiology, since 2014
Scientific Reviewer, Sleep and Vigilance

Professional Societies’ Positions

Member, Research Committee, Indian society of Critical Care Medicine, since 2017
National Advisory Committee, Indian Sleep Disorders Association, since 2010
Life Member, American Medical Association
Charter Member, National Association of Inpatient Physicians
Member, European Society of Parenteral and Enteral Nutrition
Life Member, Indian Medical Association
Life Member, Indian Sleep Disorders Association
Member, Indian Association of Enteral and Parenteral Nutrition
Member, Telemicine Society of India
Member, Madras Management Association
Charter Member, The Indus Entrepreneurs (TiE) Chennai
Advisor, Scientific Committee South Zone Critical care conference, Visakhapatnam, since 2019

Examinership

Examiner, Diploma in Sleep Medicine (DSM) course accredited by Indian Sleep Disorders Association (ISDA), 2019
Examiner, Indian Diploma and Fellowship in Critical Care Medicine, 2019
Examiner, National Board of Examiners, India, 2019
Examiner, Post Doctoral Fellowship in Sleep Medicine, Tamil Nadu Dr. MGR Medical University, 2019

Member of task forces of Government of India or State Governments

Member, Task force for developing guidelines on quality in critical care, Indian Society of Critical Care Medicine
Member, Task force for developing guidelines to prevent catheter related blood stream infections, Indian Society of Critical Care Medicine
Member, Task force for developing guidelines to define the function, roles & responsibilities of consultant intensivists, Indian Society of Critical Care Medicine
Member, Task force for developing guidelines for use of Non-invasive ventilation, Indian Society of Critical Care Medicine
Member, Task force for developing guidelines for infection control in Indian ICUs

Awards

South Zone Critical Care Oration Award, August 2019
Distinguished Activity Award, World Sleep Society, September 2019
112. Dr Narasimhan  
Respiratory Medicine, Apollo Hospitals, Chennai

**Professional Societies' Positions**

Member, National Committee for laying guidelines for cryo biopsy of the lung and bronchial thermoplasty, since 2019

**Awards**

Best inspiring Pulmonologist of India Award, Economic Times Group in Delhi, 29th June 2019

113. Dr Prakash Selvam  
Orthopaedics, Apollo Hospitals, Chennai

**Presentations**

Presentation, Hip Dislocation in Total Hip Replacement, the Cochin International Orthopedic summit, Kochi, 5th – 6th October 2019

114. Dr Premkumar Balachandran  
Minimal Access, Bariatric and Robotic Surgery, Apollo Hospitals, Chennai

**Publications**


**Lectures**

Lecture, Thoracolaparoscopic oesophagectomy, SURGICON, Global Hospital, Chennai, 1st–2nd November 2019

**Editorial Boards Membership**

Frontiers in visceral surgery, since 2014

Member, World journal of laparoscopic surgery, since 2010

**Professional Societies' Positions**

Vice president, International College of robotic surgeons, since 2014

**Awards**

Fellowship, Royal College of surgeons of Glasgow, 31st October 2019

115. Dr Rajagopalan Seshadri  
Nephrology, Apollo Hospitals, Chennai

**Publications**


116. Dr Rema Menon  
Transfusion, Apollo Hospitals, Chennai

**Lectures**

Lecture, MAHA AMSCON, Nagpur, 19th September 2019

Lecture, NIMACON 2019 at Nagpur, 19th September 2019

117. Dr S. Ganapathy Krishnan  
Plastic and Reconstructive Surgery, Apollo Hospitals, Chennai

**Professional Societies' Positions**

Member, Ethics committee of SRM MCH and RC, Kancheepuram, since 2019

118. Dr Sengottuvelu  
Cardiology, Apollo Hospitals, Chennai

**Awards**

Awarded by the Tamil Nadu Government for his excellent medical service and contributions in the field
of healthcare, 22nd August 2019

Distinguished Researcher Award, February 2019

119. Dr Sridhar
Respiratory Medicine, Apollo Hospitals, Chennai

Awards

Second APT Gold Medal Exam, Association of Pulmonologists of Tamil Nadu, 2019

120. Dr T G Balachander
Surgical Gastroenterology, Apollo Hospitals, Chennai

Professional Societies' Positions

Member, Association of Surgeons of India (ASI)
Member, Indian Society of Gastroenterology
Member, Indian Association of Surgical Gastroenterology
Member, Indian Association of Gastrointestinal Endo-Surgeons (IAGES)
Member, Association of Minimal Access Surgeons of India (AMASI)
Member, The Royal College of Surgeons of Edinburgh (RCSED)
Member, National Board of Examination, New Delhi
Treasurer, Tamil Naidu Surgical Gastro Enterologists Alumni Association, since 2010

Awards

Citation and Cash Award, Books Published, 2019

121. Dr Thirunarayanan
Microbiology, Apollo Hospitals, Chennai

Lectures

Poster presentation, Tackling the Colistin susceptibility testing dilemma, development of a screening agar for categorization of colistin resistance for the session Diverse methodologies for MIC testing in Gram Negatives, 29th European congress of clinical microbiology and infectious diseases, Amsterdam, Netherlands, 13th - 16th April 2019

122. Dr U Meenakshi Sundaram
Neurology, Apollo Hospitals, Chennai

Orations

Parkinson's Disease – Past, Present and Future, First Stan Neuro Oration, Stanley Medical College, Chennai, 7th January 2019

Awards

First Stan Neuro Gold Medal Oration Award, Contribution to the field of Neurology, January 2019

123. Dr Venkatesh Munikrishnan
Colorectal surgery, Apollo Hospitals, Chennai

Lectures

Keynote speaker, Apollo's new cost efficient robotic surgery technique developed at Apollo for Colorectal cancer, University College London Hospital, CRS19 Symposium, London, December 2019

124. Dr Venkatakarthikeyan
ENT, Apollo Hospitals, Chennai

Lectures

Faculty, 4th Congress of International guild of Robotic and Endoscopic Head and Neck Surgery, 4th – 6th October 2019

125. Dr Vijayachandra Reddy
Cardiology, Apollo Hospitals, Chennai

Presentations

Live case, Complex angioplasty, Sinergy Conference, Preliminary Scientific Programme, Belgrade, 13th
September 2019

126. Dr Yamunadevi
Infectious Disease, Apollo Hospitals, Chennai

Lectures
Estimating incremental cost of treating AMR infections in India (EIC-AMR study), National Aids Research Institute, ICMR, Pune, 21st – 22nd August 2019

Lecture, Roadmap towards Healthy Lifestyle, 4th edition of the CII IWN Holistic Health Conference, Puducherry, 13th June 2019

DRDO

127. Dr Fariya Rasheed
Dermatology, Apollo Hospitals, DRDO, Hyderabad

Professional Societies' Positions
Member, Indian Academy of Dermatologist, Venereologist and Leprologist

Delhi

128. Dr Abhishek Vaish
Orthopedics, Indraprastha Apollo Hospitals, New Delhi

Chapters contributed to text books


Publications


Abhishek Vaish, Seyawash Fooladi, Yash Nigam, Raju Vaishya, Joint preservation in a middle-aged man with knee osteoarthritis, using novel techniques, Apollo Medicine, Vol. 16: Issue 2: Page 124-127, 2019


129. Dr Akhil Mishra
Nephrology, Indraprastha Apollo Hospitals, New Delhi

Awards
Arogya Ratna Award, Arogya Darpan National Health Magazine, 28th July 2019
130. Dr Anupam Sibal
Pediatric Gastroenterologist and Hepatologist, Indraprastha Apollo Hospitals, New Delhi

Publications


Orations
Evolution of Treatment of Liver Failure and 20 years of Pediatric Liver Transplantation in India, The Hon. Surg. Cmde Late Shantilal C. Sheth Oration, the PEDICON 2019, Mumbai, 8th February 2019

Lectures
Finding the Leader Within, 2nd International Patient Experience Symposium, Abu Dhabi, 16th – 19th November 2019

Investing on people for increased efficiency and outcomes, IHF World Hospital Congress, Oman, 6th-9th November 2019

Transforming Healthcare, Clinical Performance Outcome, KPJ Healthcare Conference, Berhad, Selangor, Malaysia, 11th-12th October 2019

How to develop leaders from within the organization to ensure succession, Hospital Management Asia (HMA), Hanoi, Vietnam, 10th– 13th September 2019

Proud to be Indian, American Association of Physicians of Indian Origin, Atlanta, USA, July 2019

Proud to be Indian, Mid-Year Forum Global Association of Physicians of Indian Origin (GAPIO), Barbados and Trinidad, USA, 4th– 5th May 2019

Transforming Healthcare- The Apollo Odyssey, 10th Korea Healthcare Congress 2019 (KHC), Seoul, Korea, 2nd – 6th April 2019


Finding the Leader Within, Clairvoyance 2019, TISS, Mumbai, 6th-7th December 2019

Let’s Talk Safety, Apollo VIII Patient Safety Conference, Hyderabad, 13th– 14th September 2019

Professional Societies’ Positions
Vice President, Global Association of Physicians of Indian Origin (GAPIO), since January 2017

Member, Asian Pan Pacific Society of Pediatric Gastroenterology Hepatology and Nutrition, Executive Council, since 2005

Honorary Clinical Professor, Macquarie University, Sydney, Australia, since 2015

Member, Regional Middle East International Advisory Board of Joint Commission International (JCI), since 2011

Editorial Boards Membership
Executive Editor, Apollo Medicine Journal, since 2016

Member, Editorial Board of Indian Journal of Pediatrics

Awards
DMA Dr. P.N. Behl Foundation Award for outstanding contribution towards medical profession and society in
Delhi, by Delhi Medical Association, 24th March 2019

**131. Dr Amit Kumar Agarwal**
Orthopaedics, Indraprastha Apollo Hospitals, New Delhi

**Chapters contributed to text books**
Dr Amit Kumar Agarwal, Total Knee Arthroplasty, Textbook- Knee Osteoarthritis, Chapter 6C, Editor- Dr Raju Vaishya, 1st edition, KWX Communications Pvt. Ltd, Page 175- 185, 2019

**Publications**


**Lectures**
Faculty, JCOT-IJO Scientific writing course, New Delhi, 17th February 2019

Faculty, Joint Replacement Surgeons Council of India meeting, New Delhi, 25th May 2019

Faculty, Research symposium, ISKSAA, New Delhi, 2019

**Editorial Boards Membership**
Section editor, Journal of clinical orthopaedics and traumatology (JCOT), since September 2017

Assistant Editor, Indian Journal of Orthopaedics, since 2018

**Professional Societies' Positions**
Member, National Academy of Medical Sciences (NAMS), since 2010

Life member, North Zone Chapter of Indian Orthopaedic Association, since 2008

Life member, Indian Federation of Sports Medicine, (IFSM), since 2009

Life member, Indian Orthopaedic Association, (IOA), since 2009

Life member, Delhi Orthopaedic Association, (DOA), since 2011

Life member, Indian Arthroscopy Society, (IAS), since 2011

Life member, Indian Cartilage Society, since 2016

Life member, Indian Society for trauma and acute care, since 2008

**Awards**
Apollo Young Acaedmician Award, 2019
132. Dr Ashish Malik
Anaesthesia, Indraprastha Apollo Hospitals, New Delhi

Publications

Lectures
Speaker, DSE should be done in all liver transplant patients, LTSI MIDCON, Medanta the Medicity, Gurugoen, August 2019

Organizer, Apollo LTHPS Conclave, New Delhi, March 2019

Presentations
Presentation, Intraoperative Reverse Takotsubo cardiomyopathy in liver transplantation – an anesthesiologist’s nightmare / Postoperative Diabetes Insipidus in liver transplantation, ILTS, Toronto, 15th – 18th May 2019

Professional Societies’ Positions
Governing Council Member, Liver Transplant Society of India (LTSI), since 2018

Member, Indian society of Anesthesiologists, since 2004

Member, Indian Society of Study of Pain, since 2004

Member, Indian Society of Critical Care Medicine, since 2010

Member, ILTS International Society of Liver Transplantation, since 2011

Member, LICAGE (Liver Intensive Care Group of Europe), since 2014

133. Dr Ashok Sarin
Nephrology, Indraprastha Apollo Hospitals, New Delhi

134. Dr Chander Shekhar
Orthopedics, Indraprastha Apollo Hospitals, New Delhi

Publications

135. Dr Chetan Mehra
Anaesthesiology, Indraprastha Apollo Hospitals, New Delhi

Lectures
Conducted Workshop, USGRA and POCUS: Ultrasound Guided Regional Anaesthesia and Point of Care Ultrasound, FARA and POCUS, Asian Institute of Medical Sciences, Faridabad, 8th–10th November 2019

Faculty, Combined Lumbo-Sacral Plexus Block in a Patient with Decompensated Liver Disease for Bipolar Hip Replacement- A case report, Indian Society of Anaesthesiologists Meet, New Delhi, 24th November 2019

Awards
European Diploma of Regional Anaesthesia (EDRA): (Dublin, Ireland), September 2019

136. Dr (Prof) D K Agarwal
Nephrology, Indraprastha Apollo Hospitals, New Delhi

Publications
Aadil Beigh, Bheem Raj Gupta, Gaurav Sagar, D K Agarwal, The study of clinico-pathological correlation


Editorial Boards Membership

Reviewer, International Journal of AIDS, since November 2019

Reviewer, Journal of Immunology Research and Therapy, since November 2019

Associate Editor, Indian Journal of Nephrology, since 2000

Professional Societies' Positions

Life Member, Association of Physicians of Indian, since 1990

Life Member, Indian Society of Electrocardiology, since 1990

Life Member, Indian Society of Nephrology, since 1991

Life Member, Indian Society of Organ Transplantation, since 1991

Life Member, Hyderabad Transplant forum, since 1994

Life Member, Hypertension Society of India, since 1994

Life Member, Indian Medical Association, since 1997

Examinership

Examiner, Formative assessment in Nephrology, Institute of Liver and Biliary Sciences, New Delhi, 31st January 2019

Examiner, Formative Assessment in Nephrology, Fortis Hospital, Noida, 12th February 2019

137. Dr Hena Butta
Microbiology, Indraprastha Apollo Hospitals, New Delhi

Publications


Presentations

E- Poster Presentation, Twelve years of Antimicrobial stewardship program in a pediatric oncology unit of a Tertiary care hospital-it shows!, Meghna Krishna Baveja Memorial Award, IAMM Delhi Chapter meet, Delhi, April 2019

E- Poster Presentation, Emerging power of bacteria that grow without oxygen, their distribution and resistance to antimicrobials, IAMM Delhi Chapter meet, April 2019

Oral Paper Presentation, Aspergillus isolates in Tertiary health care- Ubiquitous mold to Ubiquitous pathogen of immunosuppressed and immunocompetent patients, National Conference of
Indian Association of Medical Microbiologists, Microcon, Mumbai 28th November 2019

Oral Paper Presentation, Automation in synergy with basic microbiological techniques- A boon for Clinical Anaerobic bacteriology and Antimicrobial stewardship, National Conference of Indian Association of Medical Microbiologists, Microcon, Mumbai 28th November 2019

Editorial Boards Membership

Executive Editor, Journal of Patient Safety and Infection Control, since 2016

Editorial member, Journal of Clinical Orthopaedics and Trauma

Reviewer, Indian Journal of Critical Care Medicine

Reviewer, Journal of Clinical Orthopaedics and Trauma

Reviewer, Journal of Patient Safety and Infection Control

Reviewer, Indian Journal of Orthopaedics

Reviewer, Journal of Medical Academics

Professional Societies’ Positions

Member, International Society for Human and Animal Mycology

Member, Indian Association of Medical Microbiologists

Member, Hospital Infection Society- India

Member, Society of Indian Human and Animal Mycologists

Member, Indian Association of Mycoplasmoologists

Member, Global Associations of Physicians of Indian Origin

Member, Indian Association of Medical Microbiologists Delhi Chapter, since 2016

Awards

Recognition of Published Papers Award, Indraprastha Apollo Hospitals, New Delhi, 2019

138. Dr Jayant Kumar Hota
Nephrology, Indraprastha Apollo Hospitals, New Delhi

Publications


139. Dr KJ Choudhury
Neuro-Aaesthesia, Indraprastha Apollo Hospitals, New Delhi

Lectures

Chairperson, Neurocriticon 2019, New Delhi, 28th April 2019

Faculty, AIIMS Neuroanaesthesia Neurocritical Care Update 2019, New Delhi, 18th – 20th October 2019

Faculty, India Pain Update 2019, New Delhi, 7th -8th December 2019

Editorial Boards Membership

Inception, Journal of Neuroanaesthesioloty and Critical Care, since 2014

140. Dr Kalpana Nagpal
ENT and Head and Neck Surgery, Indraprastha Apollo Hospitals, New Delhi

Publications

Kalpana Nagpal, Noor Ul Din Malik, Nishant Rana, Anil Kumar Sharma, Robotics in ENT and Head and Neck Surgery: Personal Experience in Our Tertiary Care Hospital, Acta Scientific Otolaryngology (ASOL), Vol. 1: Issue 3: Page 22-25, November 2019

142. Dr N N Khanna
Interventional Cardiology and Vascular Interventions, Indraprastha Apollo Hospitals, New Delhi

Chapters contributed to text books


Dr N N Khanna, Mitraclip in Functional Mitral Regurgitation, Chapter 100, Advances and Innovations in Heart Failure: Textbook of Cardiology, Editors-in-Chief- HK Chopra, 1st Edition Jaypee Medical Publishers, 2019

Dr N N Khanna, Abdominal Aortic Aneurysm: Dangers and Mitigation by Intervention, Advances in Clinical Cardiovascular Imaging, Echocardiography & Intervention: Cardiology update, 1st edition, Mrinal Kanti Das Evangel Publishers, Page 955-965

Orations

Key Note speaker, Otolaryngology-Ent Surgery, 4th European held in Rome, Italy, 15 August 2019

Lectures

Faculty, Robotic Surgery in Head and Neck, Manipal Hospital, Delhi, 21st July 2019

Faculty, Robotic Surgery in Head and Neck, 4thCongress of International Guild of Endoscopic and Robotic Head and Neck Surgery, IGReHNS, Delhi, 6th October 2019

Faculty, Robotic Surgery in Head and Neck, KMA, Nairobi, Kenya, 15th November 2019

Awareness programme, New Age Treatments, Adileela Foundation, Shastri Bhawan, New Delhi, 16th December 2019

Felicitation and Organizing Committee Member, IMA, Hissar, Harayana, 21st December 2019

Professional Societies’ Positions

Member, Robotic Surgery in Head & Neck, Clinical Robotic Surgery Association (CRSA), since 2019

Awards

Proctorship Certificate, DaVinci, U.S.A, September 2019

First, Poster Presentation, 4th European Congress, Rome, 15th August 2019

141. Dr (Prof) Kamal Buckshee
Obstetrics and Gynecology, Indraprastha Apollo Hospitals, New Delhi

Professional Societies’ Positions

Member, National Academy ofMedical Sciences, since 2018

Patron, AOGD Executive Committee, since 2019

Orations

Establishing Endovascular Interventions In India and South East Asia, Dr K S Shadaksharappa Presidential Oration, 26th Annual Conference ICC, 20th-22nd September 2019

Publications


Lectures

Faculty, Inflammatory Disease, 4th Moroccan Meeting of Moroccan Society of Endovascular Specialists, Marrakesh, Morocco, 11th-14th April 2019

Faculty, Tips and Tricks of Endovascular Treatment in Takayasu: Literature Review, 4th Moroccan Meeting of Moroccan Society of Endovascular Specialists, Marrakesh, Morocco, 11th-14th April 2019

Lecture, Mitral Clip and Tricuspid Repair, 4th Moroccan Meeting of Moroccan Society of Endovascular Specialists, Marrakesh, Morocco, 11th-14th April 2019

Faculty, MYLive Conference, Malaysia, 25th – 27th July 2019
Organizer, 11th Asia Pacific Vascular Intervention Course, New Delhi, 28th – 30th June 2019

Lecture, Future and Scope of Sirolimus Coated Balloon in Peripheral Vascular Treatment, Euro PCR, Paris, France, 21st – 24th May 2019

Lecture, Venous Interventions, Euro PCR, Paris, France, 21st – 24th May 2019

Lecture, CX Thoracic Aortic Global Star Presentation: Three-years’ follow-up of successful endovascular interventions in Takayasu arteritis involving aorta and aortic arch vessels, Charing Cross Symposium, London, UK, 15th– 18th April 2019

Lecture, Role of MTHFR Mutation in Clinical Manifestation of Acute Massive Bilateral DVT in Young Male, Charing Cross Symposium, London, UK, 15th– 18th April 2019

Lecture, One-year outcome of combine mechanical thrombectomy and catheter-directed thrombolysis for the management acute DVT, Charing Cross Symposium, London, UK, 15th– 18th April 2019

Lecture, Endovascular treatment of deep vein thrombosis following renal transplant, Charing Cross Symposium, London, UK, 15th– 18th April 2019

Lecture, Iliofemoral intervention, 4th TS Conference, Dubai, UAE, 14th – 16th February 2019

Lecture, Challenging Iliac case, 4th TS Conference, Dubai, UAE, 14th – 16th February 2019

Lecture, Challenging Below the knee case, 4th TS Conference, Dubai, UAE, 14th – 16th February 2019

Presentations

Live Case, Sanjay Gandhi Post Graduate Institute of Medical Sciences, Annual Meeting of National Interventional Council - Cardiological Society of India 2019, Lucknow, 5th-7th April 2019

Live Case, Optical Coherence Tomography and Fractional Flow Reserve for treating Bifurcation CTO, 11th Indonesian Society of Interventional Cardiology Annual Meeting, Indonesia Live, 29th November 2019


Editorial Boards Membership

Member, Journal of Endovascular Therapy, since 2017

Member, Asia Interventions, since 2016

Member, Indian Heart Journal, since 2016

Member, Journal of Indian College of Cardiology, since 2016

Member, Hypertension Journal, since 2017

Member, Journal of Cardiovascular Medicine and Surgery, since 2017

Member, Journal of Angiology, since 2017

Guest Editor, Special issue on Peripheral Vascular Disease, Indian Heart Journal, since 2017

Guest Editor, Special Issue on Interventional Cardiology, Indian Heart Journal, since 2017

Guest Editor, Special Supplement of Journal of Indian College of Cardiology, Volume 6, Supplement 1, Peripheral Vascular Interventions, since 2017

Guest Editor, Special Supplement of Journal of India College of Cardiology, Volume 7, Supplement 1, Peripheral Vascular Interventions, since 2017

Professional Societies’ Positions

President, International Society of Endovascular Specialist (ISEVS – Indian Chapter), since 2016

Governing Council Member & Chairman, Asia Pacific Vascular Society, since 2009
NBE Assessor, Accreditation for FNB Interventional Cardiology and DNB Cardiology, since 2019

**Member of task forces of Government of India or State Governments**

Member of Expert Group, Cardiovascular Disease under grant-in-aid scheme of Inter-Sectoral Convergence and Coordination for Promotion and Guidance on Health Research, Ministry of Health and Family Welfare, Government of India, since 2017

**Examinership**

Examiner, Membership of Royal College of Physicians (UK), 2019

Examiner, Diplomat National Board of Examination (Cardiology), 2019

Examiner, Fellowship of Diplomat National Board of Examination (Interventional Cardiology) 2019

**Awards**

Dr K S Shadaksharappa Presidential Oration, September 2019

143. **Dr N Subramanian**
Urology, Indraprastha Apollo Hospitals, New Delhi

**Professional Societies’ Positions**

Chairman, Healthcare Committee of the PHD chamber of Commerce and Industries, since 2019

144. **Dr Nikhil Modi**
Respiratory, Critical Care and Sleep Medicine, Indraprastha Apollo Hospitals, New Delhi

**Professional Societies’ Positions**

Member, Delhi Medical Council, since 2007

Member, National College of Chest Physicians, since 2009

Member, European Respiratory Society, since 2011

Member, Indian Society of Critical Care Medicine, since 2011

Fellow, American college of Chest Physicians, since 2014

Member, Indian Chest society, since 2019

145. **Dr Nitin P Ghonge**
Radiology, Indraprastha Apollo Hospitals, New Delhi

**Publications**


Ghonge NP, Sahu A, Hepato-diaphragmatic fat interposition' and 'increased right hemi-diaphragmatic thickness': new imaging signs for early diagnosis of hepatic cirrhosis on routine CT abdomen, Abdom Radiol (NY), Vol. 45: Issue 1: Page 153-160, 21st September 2019


Nitin P. Ghonge, Opinion: The rise of the Clinical Radiologist, European Radiology, 6th August 2019

**Lectures**

Faculty, Transplant Imaging, Dr GS Bathla, UP-IRIA, Agra, June 2019

Lecture, Radiology Residents Film Reading Session, Annual Conference of Maharashtra State Branch of IRIA, February 2019

Faculty, Renal Doppler in Native and Transplant Kidneys, UP State Annual Conference UP-IRIA, Agra,
October 2019
Faculty, Fetal CNS Imaging – Fetal MRI, Kovai Medical Center and Hospital, Coimbatore, November 2019
Faculty, Transplant Imaging: Updates from World class transplant Centre, Annual Conference of Radiological Society of North America, Chicago, December 2019
Faculty, BOLD MR Imaging of Renal Allografts, Annual Conference of Radiological Society of North America, Chicago, December 2019
Faculty, India presents, session, RSNA, Chicago, 1st – 6th December 2019

Presentations
Presentation, MRI of Orbits and Salivary Glands, Annual Conference of Maharashtra State Branch of IRIA, February 2019

Editorial Boards Membership
Guest Editor, Special issue on MSK Imaging; Journal of Clinical Orthopedics and Trauma (JCOT), since July-August 2019
Associate Editor, British Journal of Radiology, since 2018
Associate Editor, Korean Journal of Radiology, since 2018
International Advisor, Sri Lanka Journal of Radiology [SLJR-online], since 2018
Section Editor, Indian Journal of Radiology and Imaging, since 2018
Section Editor, Apollo Medicine, since 2018

Professional Societies' Positions
Member of Indian Radiological and Imaging Association, since 2011
Member, Radiological Society of North America, since 2003
Member, European Society of Radiology, since 2010
Member, British Institute of Radiology, since 2012
Member, Korean Society of Radiology, since 2014
Member, Indian College of Radiology and Imaging, since 2006
Member, Indian Society of Pre-natal Diagnosis and Therapy, since 2007
Member, Indian Federation of Ultrasound in Medicine and Biology, since 2018
Member, Indian Medical Association, since 2002
Member, Committee for International Radiology Education (CIRE), since 2018
International Liaison, International Relations Committee, IRIA, since 2019

Examinership
Examiner, DNB Final Exams, National Board of Examinations, 2019

146. Dr O P Sharma
Geriatric Medicine, Indraprastha Apollo Hospitals, New Delhi

Books Published
Editor- Dr O P Sharma, Handbook of Geriatric Care, 1st edition, Viva Books, 2019

Publications
OP Sharma, Raju Vaishya, Prevent falls in older adults, Apollo Medicine, Vol. 16: Issue 3: Page 152-156, 2019

147. Dr Pushpendra Nath Renjen
Neurology, Indraprastha Apollo Hospitals, New Delhi

Chapters contributed to text books
Dr Pushpendra Nath Renjen, Headache, A Handbook of Geriatric Care, Editor-Dr O P Sharma, 1st edition,
Viva Book publication, Page 52, 2019

Dr Pushpendra Nath Renjen, Loss of Consciousness, A Handbook of Geriatric Care, Editor-Dr O P Sharma, 1st edition, Viva Book publication, Page 58-59, 2019

Dr Pushpendra Nath Renjen, Giddiness, A Handbook of Geriatric Care, Editor-Dr O P Sharma, 1st edition, Viva Book publication, Page 64-65, 2019

Dr Pushpendra Nath Renjen, Parkinsons disease, A Handbook of Geriatric Care, Editor-Dr O P Sharma, 1st edition, Viva Book publication, Page 264-266, 2019

Publications


Pushpendra Nath Renjen, Dinesh Mohan Chaudhari, Anjali Mishra, Abhas Kumar, Neurological uses of cannabis, Apollo Medicine, Vol. 16: Issue 3: Page 148-151, 2019


Dr Abhas Kumar, Dr Pushpendra N Renjen, Dr. Dinesh Chaudhari, Dr Anjali Mishra, An Intriguing Case of painful external opthalmoplegia in a woman- Bilateral Tolosa-Hunt Syndrome, International Journal of Scientific Research, Vol. 8, Issue 9, Page 54-55 September – 2019


Dinesh Chaudhari, Pushpendra N Renjen, Anoop S Arora, Acute corpus callosum infarct, Neuroimages,


Pushpendra N Renjen, Dr. Dinesh Chaudhari, Dr Abhas Kumar, Dr Anjali Mishra, Intracranial Histoplasmosis – A Review of Literature, International Journal of Scientific Research, Vol. 8, Issue 4: Page 64-66, April 2019


Lectures

Lecture, Prevention of stroke, IMA Dehradun & Senior Citizen Gymkhana Club Dehradun, 30th November 2019

Lecture, Evolution of thrombolytic therapy in acute ischemic stroke management, 2nd Annual Conference of Innovative Physicians Forum, 24th November 2019

Lecture, Extending thrombolysis to 4.5-9 hours and wake up stroke using perfusion imaging, Word Stroke Day Conference, New Delhi, 2nd November 2019

Lecture, Atrial cardiopathy – a novel cause acute ischemic stroke, 27th Annual Conference of Indian Academy of Neurology (IANCON 2019), 3rd–6th October 2019

Lecture, Evolution of Ischemic Stroke management, IMA BHEL, Haridwar, 13th September 2019

Lecture, Management of Acute stroke, IMA, Kashipur, 4th August 2019

Lecture, Evolution of Ischemic Stroke management, IMA Aligarh, 3rd August 2019

Lecture, To determine the frequency of left atrial enlargement in different subtypes of ischemic stroke based on toast classification, European Stroke Conference Organization, Milan, 25th May 2019

Lecture, A prospective observational exploratory investigator initiated study to evaluate the risk factors for acute stroke – a multicenter study, European Stroke Conference Organization, Milan, 25th May 2019

Lecture, Antiphospholipid antibody syndrome presenting as stroke – significance of APPT, European Stroke Conference Organization, Milan, 25th May 2019

Lecture, Parkinson Dementia Overlap, 14th International Conference of Society of Internal Medicine of Nepal, SIMONCON, Kathmandu, 3rd May 2019

Lecture, Management of Intracerebral haemorrhage, New Delhi, NeuroCritiCon, 28th April 2019

Lecture, Parkinson Dementia Overlap / Combination, National Conference on Geriatric Medicine & Gerontology, New Delhi, 20th - 21st April 2019

Lecture, Extension of window period based on MRI findings in acute ischemic stroke, 25th UP-UK Neurocon, Kanpur, 3rd February 2019

Editorial Boards Membership

Member, Cerebrovascular disease, since December 2018

Examinership

Examiner, National Board of Examination, 2019
148. Dr Rajendra Prasad
Neurosurgery, Indraprastha Apollo Hospitals, New Delhi

Awards
Life Time Achievement Award, Delhi Neurological Association (DNA), 3rd February 2019

149. Dr Ramani Narasimhan
Pediatric Orthopaedics, Indraprastha Apollo Hospitals, New Delhi

Lectures
Faculty, Paediatric Hip, Paediatric Orthopaedic CME, The aegis of Paediatric Orthopaedic Foundation (POF), Artemis Hospital, Gurugram, Haryana, 8th October 2019

Guest faculty, Paediatric Orthopaedic CME, Uttarakhand Orthopaedic Association, Almora, 21st – 22nd September 2019

Organised, Early vrs Late Presentations’ of various conditions in Paediatric Orthopaedic Surgery, Paediatric Orthopaedic, The aegis of Paediatric Orthopaedic Foundation (POF), New Delhi, 7th July 2019

Faculty, Paediatric Orthopaedic, The aegis of Paediatric Orthopaedic Foundation (POF), New Delhi, 7th April 2019

Editorial Boards Membership
Reviewer, High Impact Journal of Paediatric Orthopaedics– British edition, since 2019

Professional Societies’ Positions
President, Paediatric Orthopaedic Society of India (POSI), since 2017

150. Dr Rajesh Taneja
Urology, Andrology and Robotic Surgery, Indraprastha Apollo Hospitals, New Delhi

Books Published
Editor- Dr Rajesh Taneja, Indian Diet for Interstitial Cystitis, Avichal Publishing Company, August 2019

Chapters contributed to text books
Dr Rajesh Taneja, Urinary Incontinence, Handbook of Geriatric Care, Chapter 34, Editor- Dr O P Sharma, 1st edition, Viva Books, Page 188-192, 2019

Dr Rajesh Taneja, Benign Hyperplasia of Prostate, Handbook of Geriatric Care, Chapter 34, Editor- Dr O P Sharma, 1st edition, Viva Books, Page 198- 203, 2019

Publications

Rajesh Taneja, Incontinence in geriatric population, Indian Journal of geriatric care, Vol. 8: Issue 1, January – April 2019

Lectures
Lecture, Interstitial Cystitis Bladder Pain Syndrome – A Gynecologists Perspective, Haryana Obstetrics and Gynecology, Annual Conference, Kamal, Haryana, 1st September 2019

Lecture, Bladder Pain Syndrome – The International CME on Female Bladder Dysfunction and Incontinence, Chennai, 26th August 2019

Indian Diet for Interstitial Cystitis, 4th Annual Conference of Global Interstitial Cystitis Bladder Pain Society, Mumbai, 24th -25th August 2019

Key note, Beyond Horizon – A New Clinical Scoring System for IC/BPS, 4th Annual Conference of Global Interstitial Cystitis Bladder Pain Society, Mumbai, 24th -25th August 2019

Chairman, Beyond Horizon, 4th Annual Conference of Global Interstitial Cystitis Bladder Pain Society, Mumbai, 24th -25th August 2019
Debate, Surgical vs Medical Orchidectomy for Prostrate Cancer, Urooncology update, New Delhi, 10th -11th August 2019

Expert Panel discussion, Bladder cancer, Urooncology update, New Delhi, 10th – 11th August 2019

Talk, o2wsn, Role of Robotic Surgery in Urology, IMA, Aligarh 3rd August 2019

Chair a session, Ureteric Reconstruction, Mid term CUE Delhi Urology Society, RML Hospital, 30th June 2019

Panel discussion, Newer Techniques, Urocon, Bangalore, 15th – 16th June 2019

Lecture, Urinary incontinence in elderly, Geriatrics Conclave, Annual Meeting of Geriatric Society of India , New Delhi, 20th – 21st April 2019

Talk, Role of Robotic Surgery in Renal Cell Carcinoma, Annual Academic Conclave of Delhi Medical Association, Delhi, 24th March 2019

Conducted, ESSIC education session on Interstitial Cystitis, 5th Annual Conference of Nepal Association of Urological Surgeons, Pokhra, Nepal, 21st – 22nd February 2019

Chaired and moderated, Panel discussion, Uro Oncology Patients is different from western population, Cancer Conclave, Chennai, 25th -27th January 2019

Talk, Robotic is the way for Radial Nephrectomy for Renal Cell Carcinoma, SURS- USI, USICON, Bhubaneshwar, 23rd – 26th January 2019

Presentations

Demonstration, HoLEP, Holmium training class, Sarvodaya Hospital, Faridabad, 21st June 2019

Editorial Boards Membership

Member, British Medical Journal Case reports, since 2014

Member, European Journal of Obstetrics Gynecology and Reproductive Biology, since 2012

Member, Scientific Reports (a UK based medical journal), since 2015

Member, Indian Journal of Urology, since 2008

Reviewer, Indian Journal of Medical Research, since 2014

Professional Societies' Positions

Chairman, Education Committee of ESSIC, (European society for study of Interstitial cystitis), since December 2018

Proctor, Robotic Prostatectomy, DaVinci Robotic systems, Intutive Surgical, since 2018

Member, Chaired the GIBS committee for working guidelines on Interstitial Cystitis / Bladder Pain syndrome, since 2016

Editorial board member, Urogynecology update, since 2016

Member, Executive Council of Delhi Tumor Board

Founder Chairman, Global Interstitial Cystitis Bladder Pain Society

Awards

DUS Tiger Award, Mid term CUE Delhi Urology Society, RML Hospital, 30th June 2019

151. Dr (Prof) Raju Vaishya
Orthopaedics and Joint Replacement Surgery, Indraprastha Apollo Hospitals, New Delhi

Books published

Editor – Dr Raju Vaishya, Knee Osteoarthritis, Clinical Update, 1st Edition, Kontentworx Publisher, 17th June 2019

Editor – Dr Raju Vaishya, Abid Haleem, Lalit Maini, An Update on Medical 3D Printing, Salubris, 9th
November 2019

**Chapters contributed to text books**

- Dr Raju Vaishya, Surgical planning for fractures using 3D Printing, Text Book- An Update on Medical 3D Printing, Editor- Dr Raju Vaishya, Abid Haleem, Lalit Maini, 1st Edition, Salubris, 9th November 2019

**Publications**

- Vaishya R, Regeneration is better than the replacement, Journal of Clinical Orthopaedics and Trauma Home, Vol. 10: Issue 1: Page 1, January 2019


Raju Vaishya, Mohit Kumar Patralekh, Abhishek Vaish, The upsurge in research and publication on articular cartilage repair in the last 10 years, Indian J Orthop, Vol. 53: Issue 5: Page 586–594, September- October 2019


Abid Haleem, Raju Vaishya, Mohd Javaid, Ibrahim Haleem Khan, Artificial Intelligence (AI) applications in orthopaedics: An innovative technology to embrace, Journal of Clinical Orthopaedics and Trauma, Vol. 11, Issue 1, Page 580-581, 18th June 2019


Seyawash Fooladi, Abhishek Vaish, Yash Nigam, Raju Vaishya, Joint preservation in a middle-aged man with knee osteoarthritis, using novel techniques, Apollo Medicine, Vol. 16: Issue 2: Page 124-127, 2019


Vaishya R, Ban on E-cigarettes is a welcome move, but what about other forms of Tobacco! (Rapid Response), BMJ, Vol. 366: Page i5649, 20th September 2019


Vaishya R, Vaish A, Viplav VK, National Medical Commission Bill may institutionalize quackery in India (Rapid Response), BMJ, doi: https://doi.org/10.1136/bmj.k5070, 13th September 2019


Vaishya R, Vaish A, Indian doctors’ leaders demand national law to reduce violence in hospitals (Rapid Response), BMJ, https://www.bmj.com/content/
365/bmj.l4303/rr-2, 3rd September 2019


Vaishya R, Vaish A, Efficacy of antibiotic treatment in patients with chronic low back pain and Modic changes (the AIM study): double blind, randomised, placebo controlled, multicentre trial, BMJ, https://www.bmj.com/content/367/bmj.l5654/rr, 17th October 2019

Vaishya R, Vaish A, Agarwal S. Efficacy of antibiotic treatment in patients with chronic low back pain and Modic changes (the AIM study): double blind, randomised, placebo controlled, multicentre trial, BMJ, https://www.bmj.com/content/367/bmj.l5654/rr-0, 19th October 2019


Vaishya R, Vaish A, Megaprosthesis in distal femur nonunions in elderly patients—experience from twenty four cases: A Letter to Editor, Int Orthop (SICOT), https://doi.org/10.1007/s00264-019-04406-x, 2019


Orations

Balancing clinical practice with research, Past president Oration, 6th Congress of Indian Cartilage society, Mumbai, November 2019

Lectures

Why to publish? 21st Orthopaedics PG course, Maulana Azad Medical College, New Delhi, November 2019

Lecture, 3-D printing for complex fractures and deformity cases, Faculty Development Program, Jamia University, New Delhi, 5th November 2019

Balancing clinical practice with research (Past President Oration), 6th Congress of Indian Cartilage society, Mumbai, November 2019

Balancing clinical practice with research and publication, BIOS annual meeting, Leicester, UK, June 2019

3-D Printing for complex Orthopaedic and Trauma cases, BIOS annual meeting, Leicester, UK, June 2019

Balancing clinical practice and research, 10th OASAC conference, Tashkent, Uzbekistan, May 2019

Simultaneous bilateral TKR in 70 years and older patients, 10th OASAC conference, Tashkent, Uzbekistan, May 2019

How to do good cementing in TKR? 10th OASAC conference, Tashkent, Uzbekistan, May 2019

TKR in Fixed Flexion Deformity, 10th OASAC conference, Tashkent, Uzbekistan, May 2019

Cruciate retaining vs. Cruciate Sacrificing TKR Debate 10th OASAC conference, Tashkent, Uzbekistan, May 2019

Avoiding knee arthroplasty in young patients, viable biological options, 2nd Annual Indian Biologics Orthopaedic Society Conference, Chennai, March 2019

Emergent and Definitive treatments for Knee Osteoarthritis, 61st Annual conference of Delhi Medical Association, New Delhi, March 2019

Balancing clinical practice with research and publication, 3rd Scientific writing course of DOA. New Delhi, February 2019

3-D Printing for complex Orthopaedic and Trauma cases, ROSACON, Udaipur, February 2019

Articular Cartilage Repair for Osteochondral defects of the knee, ROSACON, Udaipur, February 2019

Osteochondral defects of the knee: Current trends in the management, PG Course, MAMC, New Delhi, January 2019

Chairperson, 10th OASAC conference, Tashkent, Uzbekistan, May 2019

Presentations

Paper Presentation, 3D printing for surgical planning, of complex fractures and dislocations, 40th Orthopaedic World Congress of SICOT, Muscat, Oman, December 2019

Paper Presentation, A systematic review of Proximal Fibular Osteotomy for Knee Osteoarthritis, 40th Orthopaedic World Congress of SICOT, Muscat, Oman, December 2019

Paper Presentation, Exponential growth in research and publications on Articular Cartilage Repair, 40th Orthopaedic World Congress of SICOT, Muscat, Oman, December 2019

Paper Presentation, Research and Publications in the Orthopaedic journals from India are growing, 40th Orthopaedic World Congress of SICOT, Muscat, Oman, December 2019
Editorial Boards Membership

Editor-in-Chief, Journal of Clinical Orthopaedics and Trauma, since 2019

Editor, Journal of Indian Arthroscopy Society, since September 2019

Associate Editor, Indian Journal of Orthopaedics, since 2016

Founder and Editor, Newsletter of Indian Cartilage Society, since 2018

Section Editor, Apollo Medicine, since 2015

Member, Editorial Board, Journal of Indian Arthroscopy Society, since 2018

Member, Editorial Board, Indian Journal of Geriatric Care, since 2019

Professional Societies’ Positions

President, Indian Cartilage Society, since 2018

Chairman, IT, e-library and Web resource Committee of Indian Orthopaedic Association, since 2018

Editor in Chief and Executive committee member, Delhi Orthopaedic Association, since 2016

Executive committee member, Indian Cartilage Society, since 2019

Secretary, Society for Preventive Orthopaedics and Traumatology, since 2019

Member, Ethics Committee of Indian Orthopaedic Association, since 2019

Founder, Delhi Cartilage Club, since August 2016

Founder President, Arthritis Care Foundation, since 2005

Secretary, Forum of Inculcation of Scientific Temperament (FIRST), since 2013

Awards

Best Reviewer Award, Journal of Clinical Orthopaedics and Trauma, 2019

Amim Cancer Trust Award, Extraordinary service and dedication to the profession, 14th June 2019

Best Paper Publication Award, Indian Arthroscopy Society, September 2019

Distinguished Clinical Tutor, AHERF, November 2019

Adjunct Professor, AHERF, February 2019

Distinguished Researcher Award, Apollo Hospitals, September 2019

152. Dr Ruquaya Mir
Oncology, Indraprastha Apollo Hospitals, New Delhi

Publications


153. Dr Sandeep Guleria
Renal Transplant Surgery, Indraprastha Apollo Hospitals, New Delhi

Awards

Padam Shri Award for distinguished service in the field of Medicine, January 2019

154. Dr Smita Malhotra
Pediatric Gastroenterology, Indraprastha Apollo Hospitals, New Delhi

Chapters contributed to text books

Dr Smita Malhotra, Pediatric liver transplantation, Chapter 10.2, IAP recent advances in paediatrics, 1st Edition, Jaypee Publications, Page 282-301, 2019

Publications

Malik I, Kumar K, Hussain H, Bhatia V, Sibal A,

155. Dr Sunit Mediratta
Neurosurgery, Indraprastha Apollo Hospitals, New Delhi

Publications


156. Dr Tarun Sahni
Internal Medicine, Indraprastha Apollo Hospitals, New Delhi

Professional Societies' Positions

Vice President, Asia Pacific Undersea and Hyperbaric Medical Society (APUHMS), since 2019

157. Dr Veena Kalra
Pediatric Neurology, Indraprastha Apollo Hospitals, New Delhi

Orations

Pediatric Neurology: Present and Future, 4th Dr O.P. Ghai Memorial Oration, AIIMS, Delhi, 27th November 2019

158. Dr Vidyut Bhatia
Pediatric Gastroenterology, Indraprastha Apollo Hospitals, New Delhi

Publications


159. Dr Vikram Pratap Singh
Surgical Oncology, Indraprastha Apollo Hospitals, New Delhi

Publications


160. Dr Vinit Suri
Neurology, Indraprastha Apollo Hospitals, New Delhi

Lectures

President, Indian Stroke Association, XIII Indian National Stroke Conference, Ahmedabad, 15th-17th March 2019

Professional Societies' Positions

President, Indian Stroke Association, Ahmedabad, 15th-17th March 2019

161. Dr Vipul Vijay
Orthopaedics, Indraprastha Apollo Hospitals, New Delhi

Chapters contributed to text books

Dr Vipul Vijay, 3D printing in total knee arthroplasty, An update in medical 3D printing, Kontentworx, 2019

Publications


Vaishya R, Maduka CO, Agarwal AK, Vijay Vipul, Vaish


Lectures

Guest faculty, Cartilage imaging: state of the art, Delhi Orthopaedic Association Musculoskeletal Meeting (DOA-MSK), February 2019

Editorial Boards Membership

Associate Editor, Journal of Clinical Orthopaedics & Trauma, Pubmed indexed

Associate Editor, Official journal of Delhi orthopaedic Association

Member, Editorial Board, World Journal of Orthopedics, Pubmed indexed journal

Reviewer, The Knee

Reviewer, Journal of Clinical Orthopaedics & Trauma, since 2017

Reviewer, Indian Journal of Orthopaedics

Reviewer, BMJ Musculoskeletal Disorders

Professional Societies' Positions

Member, European Society of Sports Traumatology, Knee Surgery & Arthroscopy

Member, Indian Orthopaedic Association

Member, Delhi Orthopaedic Association

Associate member, Asia Pacific Orthopaedic Association (APOA)

Awards

Fellowship, Australian Orthopaedic Association (AOA-IOA) Travelling, Canberra, Australia, September 2019

Best Case Presentation, Meet the Champions – Stryker, National meet, Bangalore, 2019

Australian Orthopedic Association (AOA- IOA) Traveling Fellowship Award, Canberra, Australia, 2019

Guwahati

162. Dr Shameem Ahmed

Neurosurgery, Apollo Hospitals, Guwahati

Publications


Lectures

Organising Secertory, National NSSI Conference, Guwahati, February, 2019

Organising Secertory, Skull base Society of NE, Guwahati, September 2019

Organising Secertory, National Congress of the Neuromodulation Society of India, Guwahati, November 2019

Editorial Boards Membership

Reviewer, Indian Journal of Neurosurgery, since 2016

Reviewer, Asian Journal of Neurosurgery, since 2015

Professional Societies' Positions

Member, Traumatology Institute, Toronto, Canada,
since 2011
Life Member, Neurological Society of India (NSI), since 2009
Member, Neuro-Trauma Society of India (NTSI), since 2008
Life Member, Indian Society for Trauma & Acute Care (ISTAC), since 2010
Life Member, Indian Society for Stereotatic and Functional Neurosurgery, since 2013
Life Member, Neuromodulation Society of India, since 2019
Life Member, Indian Society of Neuro Oncology, since 2019
Member, AANS/CNS Section on Neurotrauma & Critical Care, since 2009
Member, Society for Advanced Studies in Medical Sciences (MSASMS), since 2001
Executive Member, Guwahati Neuro Society, since 2015
General Secretary of Neuro Fiesta, since 2016
Executive Member, Annual ANEICON conference, Assam, since 2018
Founder, Neuromodulation group of NE India, since 2018

Hyderabad

163. Aditya D Kulkarni
Pathology, Apollo Hospitals, Jubilee Hills, Hyderabad

Publications
Vimee Bindra, Frsha Nozer Taraporewalla, Aditya D Kulkarni, Neha Agrawal, Large Solitary Luteinized Follicular Cyst of Pregnancy and Puerperium in Ruptured Ectopic Pregnancy Managed Laparoscopically, Journal of Case Reports in Medicine, Vol. 8: Issue 1: Page 1-5, February 2019

Professional Societies' Positions
Life Member, IAPM Telangana State Chapter

164. Dr A G K Gokhale
Cardio Thoracic Vascular Surgery, Apollo Hospitals, Jubilee Hills, Hyderabad

Awards
Best NGO Award, Excellent work at Sahrudaya Foundation, Hyderabad, 2019
Honorary Doctorate, Vignan University, 27th July 2019

165. Dr Aftab Ahmed
Diabetology, Apollo Hospitals, Jubilee Hills, Hyderabad

Book Published
Dr Aftab Ahmed, Rehan, Notion Press, 6th June 2019

166. Dr Alok Ranjan
Neurosurgery, Apollo Hospitals, Jubilee Hills, Hyderabad

Publications

167. Dr Amitava Ray
Neurosurgery, Apollo Hospitals, Jubilee Hills, Hyderabad

Lectures
Speaker, Society of Neuro-Oncology (SNO) annual meeting, in recognition for the work he has done in the diagnosis of brain tumors using Liquid biopsy, New Orleans, 20th -24th November 2019
168. Dr E C Vinaya Kumar
ENT, Apollo Hospitals, Jubilee Hills, Hyderabad

Awards

Global Healthcare Equality Humanitarian Award, American Association of Physicians of Indian Origin, 28th December 2019

169. Dr Frsha Nozer Taraporewalla
Obstetrics and Gynecology, Apollo Hospitals, Jubilee Hills, Hyderabad

Publications

Vimee Bindra, Frsha Nozer Taraporewalla, Aditya D Kulkarni, Neha Agrawal, Large Solitary Luteinized Follicular Cyst of Pregnancy and Puerperium in Ruptured Ectopic Pregnancy Managed Laparoscopically, Journal of Case Reports in Medicine, Vol. 8: Issue 1: Page 1-5, February 2019

170. Dr Gupta P
Histopathology, Apollo Hospitals, Jubilee Hills, Hyderabad

Publications


171. Dr K Subba Reddy
Critical Care Medicine, Apollo Hospitals, Jubilee Hills, Hyderabad

Chapters contributed to text books


Publications

Dr Swarna Deepak Kuragayala, Dr Jithendra Chinnappa, Dr Hima Bala K, Dr Subba Reddy K, Clinical profile and Outcome of patients who had Cardiopulmonary arrest in Non ICU settings – A Retrospective Analysis in a Tertiary care hospital, Journal of medical science and research, Vol. 7: Issue 3: Page 904-906, March 2019


Lectures

Lecture, Technological innovations in patient safety, International Patient safety Congress, Hyderabad, 30th September 2019

Panel discussion on anti fungals, MYCOCON 2019, Hyderabad, 9th – 10th March 2019

Heart lung interaction, Hemodynamic Mechanical Ventilation workshop, Place, Date 2019

New ATLS guide lines, Reflect, January 2019

Bundle care, Critical Care Nursing workshop, 2019

Role of intensivist in Thrombolysis of acute stroke, Masters Stroke program, 2019

Status epilepticus, Acute Neuro Care ISNACC, Haryana, 15th – 17th February 2019

Role of Metabolic resuscitation in Sepsis, South Zone Critical Care Conference, Visakhapatnam, 18th August 2019

Nutrition in Neuro critical care, Clinical Nutrition Congress, Indore, 22nd September 2019

Examinership

Examiner, CTCCM, October 2019

Examiner, IDCCN, September 2019

Examiner, IDCCM, March 2019

Examiner, FNB workshop, 2019
**Professional Societies' Positions**

Chairperson, Indian society of Critical Care Medicine, Hyderabad Chapter, since 2019

**172. Dr K Swarna Deepak**
Critical Care Medicine, Apollo Hospitals, Jubilee Hills, Hyderabad

**Chapters contributed to text books**


Dr K Swarna Deepak, ECMO Sepsis, RRT & ECMO in ICU: A Reference book for Practising Intensivists, Chapter 45, Editor- Rajesh Chandra, 1ST edition, Jaypee brothers publications, Page 393 – 399, 2019

**Publications**

Dr. Swarna Deepak Kuragayala, Dr. Sri Ramya Ganti, Dr. Sudeep Sirga, Dr Hima Bala Kommula, Ideal Mean Arterial Pressure Target in Septic Shock: The Hunt Goes On, Saudi Journal of Medicine, Vol. 4: Issue 8: Page 664-667, August 2019

Dr Swarna Deepak Kuragayala, Dr Jithendra Chinnappa, Dr Hima Bala K, Dr Subba Reddy K, Clinical profile and Outcome of patients who had Cardiopulmonary arrest in Non ICU settings – A Retrospective Analysis in a Tertiary care hospital, Journal of medical science and research, Vol. 7: Issue 3: Page 904-906, March 2019

**Lectures**

Updates in Sepsis, Critical Care Update for Post Graduates, Prathima Institute of Medical Sciences, Karimnagar, 2019

ARDS Case studies with Evidence based Strategies, ISCCM National Webinar, Hyderabad, March 2019

Anti-microbial resistance in India, Present scenario, Updates on Arbekacin, Hyderabad, August 2019

Workshop on Point of care ultrasound, Echocardiography, ISACON South zone conference, August 2019

Advances in blood glucose monitoring in ICU, South Zone Critical Care Conference, Visakhapatnam, 18th August 2019

Fluids and Fluid responsiveness in ICU, CRITIC, Hyderabad, November 2019

Non-Renal indications for RRT, Renal Critical care medicine CME, Star hospitals, Hyderabad, July 2019

**Examinerships**

Examiner, EPIC International 2019 (Exam Preparation in Intensive Care), Virinchi hospitals, Hyderabad, 10th – 11th August 2019

Examiner, FAT (Formative Assessment Exam) for FNB Critical Care Post graduates, 2019

Examiner, IDCCM preparatory course, Care hospital, Hyderabad, 25th August 2019

Examiner, FNB mock exam, 19th May 2019

**Awards**

Global Young lecturer awards,European society of intensive care medicine, ESICM Lives, Berlin, 2nd October 2019

Award for Recognition of academic activities, Indian Society of Critical Care Medicine, Hyderabad Chapter, 25thFebruary 2019

**173. Dr M Neeraja**
Transplant Immunology, Apollo Hospitals, Jubilee Hills, Hyderabad

**Publications**

M.Neeraja, Sreedhar Kesireddy, N Raj Kumar, M Praveen Kumar, P Pullaiyah, Ch Raju, HLA Antigens and Haplotype frequencies among renal transplant recipients and donors presenting to a tertiary care hospital in Hyderabad, Telangana, South India,

174. Dr Meenakshi Swain
Pathology, Apollo Hospitals, Jubilee Hills, Hyderabad

Publications


175. Dr Michelle De Padua
Histopathology, Apollo Hospitals, Jubilee Hills, Hyderabad

Publications


176. Dr Neha Agrawal
Pathology, Apollo Hospitals, Jubilee Hills, Hyderabad

Publications

Vimee Bindra, Frsha Nozer Taraporewalla, Aditya D Kulkarni, Neha Agrawal, Large Solitary Luteinized Follicular Cyst of Pregnancy and Puerperium in Ruptured Ectopic Pregnancy Managed Laparoscopically, Journal of Case Reports in Medicine, Vol. 8: Issue 1: Page 1-5, February 2019

177. Dr Nihar Ranjan Pradhan
Vascular Surgery, Apollo Hospitals, Jubilee Hills, Hyderabad

Publications

Lectures

Faculty, Fellow Course, 11th Asia Pacific Vascular Intervention Course (APVIC – XI), New Delhi, 28th – 30th June 2019

178. Dr Niranjan Panigrahi
Critical Care Medicine, Apollo Hospitals, Jubilee Hills, Hyderabad

Publications


179. Dr P Joshi
Histopathology, Apollo Hospitals, Jubilee Hills, Hyderabad

Publications


180. Dr Pankaj Sharma
Neurosurgery, Apollo Hospitals, Jubilee Hills, Hyderabad

Publications


181. Dr Pradyut Waghray
Pulmonology, Apollo Hospitals, Jubilee Hills, Hyderabad

Publications

Venkateswara Reddy Tummuru, Ramya Reddy


Dr. Venkateswara Reddy Tummuru, Dr. Sowmya Reddy, P. Dr. Sravya Reddy Madhi, Dr. Pradyut Waghray, A Comparative Study Of Tbna And Endobronchial Biopsy In Cases Of Endobronchial Lesions, International Journal Of Scientific Research, Vol. 8: Issue 6, June 2019

Dr. Venkateswara Reddy Tummuru, Dr. Kunal Waghray, Dr. Veena Reddy Vankayala, Dr. Pradyut Waghray, Dr. Koteswara Rao, Role Of Thoracoscopy Guided Pleural Biopsy, Pleural Brushing And FNAc (With Tbna Needle If Large Lesions Are Seen) In Undiagnosed Exudative Pleural Effusions, International Journal Of Scientific Research, Vol. 8: Issue 6: Page 45-47, June 2019


Awards

Fellow, Academy of Medical specialties of Indian medical association, 1st December 2019

Excellence In Research Award, The Eet Crs 7th Faculty Branding Awards, 2019

Honorary Consultant Appointment, Armed forces-ECHS, HQ Telangana and Andhra Sub Area, 23rd August 2019

182. Dr Rahul Lath
Neurosurgery, Apollo Hospitals, Jubilee Hills, Hyderabad

Publications


183. Dr Rajat Singhal
Radiology, Apollo Hospitals, Jubilee Hills, Hyderabad

Presentations

Poster, Diabetic Muscle Infarction, IRIA, National Conference, 19th January 2019

Poster, Aortic Dissection- A Pictoral, IRIA, National Conference, 19th January 2019

184. Dr Rajesh Fogla
Ophthalmology, Apollo Hospitals, Jubilee Hills, Hyderabad

Lectures

Faculty, Corneal Meeting, Zhongshan Ophthalmic Center, Guangzhou, China, 26th – 28th July 2019
185. Dr Rajesh R Sannareddy
Neurosurgery, Apollo Hospitals, Jubilee Hills, Hyderabad

Publications

186. Dr Raju Kalidindi
Radiology, Apollo Hospitals, Jubilee Hills, Hyderabad

Publications

187. Dr Ravikiran Barigala
Infectious Diseases, Apollo Hospitals, Jubilee Hills, Hyderabad

Publications

Professional Societies’ Positions
Member, AIDS Society of India
Member, Clinical Infectious Disease Society

188. Dr Rooma Sinha
Gynecology, Minimal Access and Robotic Surgery, Apollo Hospitals, Jubilee Hills, Hyderabad

Books Published
Editor- Dr Rooma Sinha, Pratibha Devabhaktuni, Rani Reddy Sodumu, Uterine Leiomyoma, 1st edition, Paras Medical Books Pvt Ltd, 3rd August 2019

Chapters contributed to text books
Dr Rooma Sinha, Robot assisted myomectomy, Chapter 10, Uterine Leiomyoma, Editor-Pratibha Devabhaktuni, Rani Reddy Sodumu, Rooma Sinha, 1st edition, Paras Medical Books Pvt Ltd, 3rd August 2019

Dr Rooma Sinha, Laparoscopic Hysterectomy for large uterus- Does volume matter, Chapter 15, Uterine Leiomyoma, Editor-Pratibha Devabhaktuni, Rani Reddy Sodumu, Rooma Sinha, 1st edition, Paras Medical Books Pvt Ltd, 3rd August 2019

Publications


189. Dr S Krishnaprasad
Histopathology, Apollo Hospitals, Jubilee Hills, Hyderabad

Publications

190. Dr Sanjay Sinha
Urology and Transplant Surgery, Apollo Hospitals, Jubilee Hills, Hyderabad

Awards
Best Paper Award, International Continence Society
Annual Congress, Gothenburg, Sweden, 3rd–6th September 2019

**191. Dr Sreenivas Kumar Arramraju**
Cardiology, Apollo Hospitals, Jubilee Hills, Hyderabad

**Books published**

Editor - Dr Sreenivas Kumar Arramraju, Mee Gunde Padilama, Cardiology education, 1st Edition, Aaalanoor publisher, 8th December 2019

**Chapters contributed to text books**

Dr. Sreenivas Kumar Arramraju, Invasive Haemodynamic Assessment of Coronary Stenosis. Utility and Pitfalls, Cardiology update, Jaypee Publisher, 2019

**Publications**


**Orations**

Evolution of Interventional Cardiology and My Interfaces, Dr Raghava Sharma Oration, AP State Cardiology Conference, Andhra Pradesh, August 2019

TAVR and Structural Interventions, Dr A Laxminarayana Oratton, IMA State Conference, July 2019

**Lectures**

Director and Organiser, TCT India 2019 Conference (India’s Premier Interventional Experience), Hyderabad, 25th July 2019

Scientific Chair, CSI- National Interventional Cardiology Conference, SGPGIMS, Lucknow, April 2019

Organiser FCCC, Facts Cardiovascular Research Foundation Cardiology Clinics, Taj, Yeshwanthpur, Bengaluru, November 2019

Lecture, Hemodynamic Monitoring – FFR uses & Pitfalls, National CSI Conference, New Delhi, 5th – 8th December 2019

Lecture, Bifurcation Stent Techniques, CBS, Nanjing, China, November 2019

Lecture, TAVR – Current Status in India, FCCC, Bengaluru, November 2019

Lecture, Role of OCT in ACS, Indian College of Cardiology, Cochin, September 2019

Lecture, Image guided LM Interventions, SCI, Kolkata, September 2019

Lecture, Heart Failure – Role of ARNI, CSI, Hyderabad, August 2019

Lecture, Role of Combination therapy, Hypertension Summit, Kerala, July 2019

Lecture, Newer Cardiac Drugs and Interventions, Maritius Cardiac Society Meet, Mauritius, July 2019

Lecture, TAVR in India, APVIC Conference, New Delhi, 27th June 2019

Lecture, Radiation safety, IJCTO Conference, Lucknow, May 2019

Lecture, Left Main Interventions, ICCC Conference, London, April 2019

**Presentations**

Presentation, CSI- National Interventional Cardiology Conference, SGPGIMS Lucknow, April 2019

Live Case Operator, TCT, SFO, USA, 28th September
2019

Live Case Operator, TAVR Live, TCT India, Hyderabad, July 2019

Editorial Boards Membership

Member, Indian Heart Journal

Professional Societies’ Positions

Chairman - National Interventional Council of India, since 2017

Founder Director and Organiser, FCCC – Facts Cardiovascular Research Foundation Cardiology Clinics, since 2009

Examinership

Examiner, DNB Cardiology, November 2019

192. Dr Sudhir Kumar
Neurology, Apollo Hospitals, Jubilee Hills, Hyderabad

Awards

Certificate of Excellence, being outstanding reviewer for Neurology, December 2019

193. Dr Suneetha Narreddy
Infectious Diseases, Apollo Hospitals, Jubilee Hills, Hyderabad

Publications


194. Dr Swarnalata Gowrishankar
Histopathology, Apollo Hospitals, Jubilee Hills, Hyderabad

Publications


Orations
Lecture, Scripting a biopsy report; The art and the science, Basavatarakam Oration, 1st Annual Conference of the Hyderabad Academy of Pathologists, Hyderabad, 17th – 18th August 2019

Lectures
Talk, Introduction to allograft biopsies, Kidney Disease, Kamineni Institute of Medical Sciences, Hyderabad, 22nd March 2019
Talks on Deposit Disease, IgA nephropathy and Acute rejections, The Kidney Biopsy; An Update, Hinduja Hospital, Mumbai, 23rd – 24th March 2019
Lecture, Narketpally on Molecular Diagnostics, Medical students and faculty, Kamineni Institute of Medical Sciences, Narketpally, 10th May 2019
Talk, What is new in Transplant Pathology, Transplant Update at NIMS, Hyderabad, 2019
Talks, The WHO classification of Renal Neoplasms, Role of IHC in diagnosis and therapeutics in non-small cell lung cancer, Annual CME at JNMC Belgaum, June 2019
Talk on Renal Transplant Pathology, DELITE, Kochi, 27th – 28th July 2019
Talks, Interpretation of Renal biopsy and Glomerular deposition disease, Updates in Renal Pathology, Jullunder, 21st – 22nd September 2019
Talk, Communication in Renal Pathology, Annual conference of the ISRTP, Lucknow, 11th – 13th October 2019
Faculty, Discussant at the CPC, Annual meeting of the San Diego AKI-CRRT programme, San Diego, 16th October 2019
Talk, Digital Pathology in the reporting of radical prostatectomy, Annual meeting of the Society of Genitourinary Pathology, Hyderabad, 8th–9th November 2019

Editorial Boards Membership
Reviewer, Indian Journal of Nephrology, since 2012
Reviewer, Indian Journal of Pathology and Microbiology, since 2000
Reviewer, Indian Journal of Ophthalmology, since 2016

Professional Societies' Positions
Member, Executive Committee, Indian Society of Renal and Transplant Pathology, since 2015
Founder President, Hyderabad Academy of Pathologists, since 2018
Member, Specialist Board in Pathology of the National Board of Examinations, since 2019
Lead member, Committee to design the PDCC in Renal and Transplant Pathology at the Indian College of Pathology, since 2018
Inspector, Accreditation of DNB (Pathology), since 2018
Elected founder president, Hyderabad Academy of Pathologists, since November 2018
Member, Specialist Board in Pathology of the National Board of Examinations, since April 2019
Member, RPS Preanalytic and Analytic Histology Variation Working Group, since October 2019

Examinership
Chief coordinator and examiner, DNB Practical Final, Apollo Hospitals Hyderabad, April 2019

Awards
Nagalotimath Memorial Award, Excellence in Teaching, Annual National Pathology CME, Belgaum, 11th June 2019
195. Dr T Badrinarayana
Cardiology, Apollo Hospitals, Jubilee Hills, Hyderabad

Awards

Dr APJ Abul Kalam Excellence Award, by Home Minister of Telangana Mohd Mehboob Ali, 23rd October 2019

196. Dr Vanajakshi
Haematology, Apollo Hospitals, Jubilee Hills, Hyderabad

Publications


197. Dr Vasanth Kumar
Diabetology, Apollo Hospitals, Jubilee Hills, Hyderabad

Lectures

Talk, Management of Diabetes of hospitalized patients, 47th Annual Meeting of Research Society for the Study of Diabetes in India, RSSDI, Jaipur, 7th – 10th November 2019

Professional Societies' Positions

President Elect, Research Society for the Study of Diabetes in India RSSDI, since 2019

198. Dr Venkat Ramesh
Infectious Diseases, Apollo Hospitals, Jubilee Hills, Hyderabad

Publications


199. Dr Vijay Anand Reddy
Radiation Oncology, Apollo Hospitals, Jubilee Hills, Hyderabad

Publications


Presentations

Poster Presentation, Selective Ophthalmic Artery Chemotherapy as Primary treatment in advanced Stages of Retinoblastoma: A Prospective Study, European Society of Radiology, 2019

200. Dr Vijay Kumar C
Pulmonology, Apollo Hospitals, Jubilee Hills, Hyderabad

Publications


201. Dr Vijay Dikshit
Cardio Thoracic Vascular Surgery, Apollo Hospitals, Jubilee Hills, Hyderabad

Awards

Excellence in Cardio Thoracic Surgeries Award, Nathan's Learning Forum Leadership in association with IMA, Hyderabad, 2019

202. Dr Vimee Bindra
Obstetrics and Gynecology, Apollo Hospitals, Jubilee Hills, Hyderabad

Chapters contributed to text books

Dr Vimee Bindra, Nine Months Windows of
Opportunity, Chapter 1, FOGSI Focus Adbhut Matrutva, Editor-in-Chief- Jaideep Malhotra, 1st Edition, Jaypee Brothers Medical Publisher, Page 1-15, 2019

Dr Vimee Bindra, Management of Fibroids in Adolescent Girl, Chapter 4, Fibroids, Editors- Narendra Malhotra, Poonam Goyal, 1st edition, Jaypee Brothers Medical Publisher, Page 31 – 35, 2019

Dr Vimee Bindra, Surgical Management of Fibroids, Chapter 11, Fibroids, Editors- Narendra Malhotra, Poonam Goyal, 1st edition, Jaypee Brothers Medical Publisher, Page 79 – 95, 2019

Publications

Vimee Bindra, Frsha Nozer Taraporewalla, Aditya D Kulkarni, Neha Agrawal, Large Solitary Luteinized Follicular Cyst of Pregnancy and Puerperium in Ruptured Ectopic Pregnancy Managed Laparoscopically, Journal of Case Reports in Medicine, Vol. 8: Issue 1: Page 1-5, February 2019

Awards

Fellowship, Indian College of Obstetrics and Gynaecology (FICOG), AICOG, Bengaluru, 11th January 2019

Vaidya Sree award, Mother foundation in association with Megacity Navakala Vedika, 10th March 2019

203. Dr Yashita Gupta

Histopathology, Apollo Hospitals, Jubilee Hills, Hyderabad

Publications


Indore

204. Dr Akshat Pandey

Rheumatology, Apollo Hospitals, Indore

Publications


Akshat Pandey, Harmeet Singh Saluja, Arvind Mittal, Impact of obesity on disease activity and other health outcome measures in ankylosing spondylitis, Apollo Medicine, Vol. 16: Issue 4: Page 225-228, 2019

Akshat Pandey, Ved Prakash, Mimansa Pandey, Effect of smoking in patients with ankylosing spondylitis: A cross-sectional study in state of Madhya Pradesh, India, Apollo Medicine, Vol. 16: Issue 2: Page 70-73, 2019

Lectures

Systemic sclerosis, EUSTAR course, Nijmejen, Netherlands, 21st -24th February 2019

Organised, Patient awareness Workshop, Importance of Yoga and exercise for 200 patients of various types of Arthritis and CTDs, Indore, 6th January 2019

Professional Societies’ Positions

Hon. Secretary, IMA Madhya Pradesh, since 2019

Member, American College of Rheumatology (ACR), since 2017
Member, British society of Rheumatology (BSR), since 2017

Member, Emerging EULAR Network (EMEUNET), since 2017

Member, Indian Medical association, since 2010

Member, European Lupus Society, since 2017

Member, International Osteoporosis Foundation, since 2017

205. Dr. Kshitij Dubey

CTVS, Apollo Hospitals, Indore

Awards

Dr S K Mukherjee Award, 2019

206. Dr Rakesh Gupta

Neurosurgery, Apollo Hospitals, Indore

Lectures

Talk, Management of Spine Injury, MPASICON, Ujjain, 24th February 2019

207. Dr Sarita Rao

Cardiology, Apollo Hospitals, Indore

Chapters contributed to text books

Dr Sarita Rao, Newer Antiplatelets on the Anvil, How Far Do We Have to Trudge, Chapter 2, CAD Update, Editor- Niteen Deshpande, HM Mardikar, Clinate, Page 13-17, 2019

208. Dr Siddhant Jain

Interventional Cardiologist, Apollo Hospitals, Indore

Awards

Inspiring Cardiologist of India, Economic Times on occasion of Doctor’s Day, Delhi, 1st July 2019

209. Dr Vikas Gupta

Cardiac Anesthesiology, Apollo Hospitals, Indore

Lectures

Panelist, Perioperative management of mediastinal mass, National Anaesthesia Conference ISACON, 27th November 2019

Professional Societies' Positions

Executive Member, Indian society of anaesthesiologist MP chapter, since 2018

Hon. Secretary, Indian society of anaesthesiologist Indore chapter, since 2018

Awards

Dr SK Mukherjee Award, 8th September 2019

ISA Proficiency Award, 29th November 2019

Jayanagar

210. Dr Parthasarathy Satishchandra

Neurology, Apollo Hospitals, Bangalore

Publications


from India, Mult Scler Relat Disord, Vol. 30: Page 85-93, May 2019

Orations

Translational Research in Epilepsy : Indian Perspective, Annual Oration Jagadguru Dr. Sri Shivarathri Rajendra Mahaswamiji, JSS medical College, Mysuru, 12th December 2019

Lectures

Co-Chair, Scientific Committee, 12th Asia Oceania Epilepsy Congress, Bali, Indonesia, Jun-July 2019

Editorial Boards Membership

Reviewer, Epilepsia Journal
Reviewer, Epileptic Disorders
Reviewer, Epilepsy Research
Reviewer, Seizure Journal
Reviewer, Journal of Associations of Physicians of India
Reviewer, Journal of Pediatric Neurology
Reviewer, Journal of Neurology Neurosurgery & Psychiatry (JNNP)
Reviewer, Neurology India
Reviewer, Neurology Asia
Reviewer, Annals of Indian Academy of Neurology
Associate Editor, Neurology India
Associate Editor, Epilepsy Digest
Associate Editor, Annals of Indian Academy of Neurology (AIAN)
Associate Editor, Journal of Neurology Neurosurgery and Psychiatry (JNNP)
Zonal Advisory member, Journal Association Physicians of India (JAPI)

Professional Societies' Positions

Member, Neurological Society of India
Member, Indian Epilepsy Association
Member, Indian Academy of Neurology
Member, Electroencephalographic Society of India
Member, Associations of Physicians of India
Member, Pan American Society of Neuroepidemiology
Member, International Brain Research Organization, Sweden

Executive Committee Member, Indian Epilepsy Association, (IEA) Bangalore
Member, Special Expert Committee, Department of Health Research, Delhi, since 2012
Member, Indian Council for Cultural Relations (ICCR), New Delhi, since 2012

Member, Scientific Advisory Committee - Partnership Programme established by DBT, New Delhi for "Advance Research in Biological Science & Engineering" at Department of Biological Sciences (DBS), IISc, Bangalore, since 2014

Founder Member, Brain Research Centre, Indian Institute of Science, Bangalore

Member ILAE Genetics Commission, since 2015
Chairman South Asia division of International Bureau for Epilepsy (IBE)

Member of task forces of Government of India or State Governments

Member, Task Force, Indian Council for Medical Research (ICMR)
Member, Scientific Advisory Committee, National Centre for Disease Informatics and Research, National
Cancer Registry Programme, Department of Health Research, Ministry of Health and Family Welfare, Government of India, since 2012

Member "Task force on Integrating Mental Health and Epilepsy in Comprehensive Primary Health Care" constituted by Ministry of Health & Family Welfare, Government of India, since 2018

Member of governing board of MCI / State Medical Council / autonomous medical institutions under Government of India

Member, Selection Committee for the post of Director, Postgraduate Institute of Medical Education and Research, (PGIMER) Chandigarh, since 2010

Member, Institute Body, AIIMS, Bhubaneshwar, Orissa, since 2013

Member, Standing Finance Committee, All India Institute of Medical Sciences, Bhubaneswar, since 2013

Chairman, Standing Selection Committee, All India Institute of Medical Sciences, Bhubaneswar, since 2013

Member, Institute Body, Postgraduate Institute of Medical Education and Research, Chandigarh, since 2014

211. Dr Ravindra M Mehta
Respiratory Medicine, Apollo Hospitals, Bangalore

Professional Societies' Positions

Member, Bronchoscopic lung cryobiopsy, An Indian Association for Bronchology, since 2019

212. Dr Satish Nair
Head and Neck Surgery, Apollo Hospitals, Jayanagar

Books published

Editor- Dr Satish Nair, Manual of Clinical Audiology, 16th August 2019

Kakinada

213. Dr Bindu Narmada Gottipati
Neurology, Apollo Hospitals, Kakinada

Publications


214. Dr Chanumolu Praveen
Neuro Surgery, Apollo Hospitals, Kakinada

Publications


215. Dr Rajesh Dake
Emergency Physician, Apollo Hospitals, Kakinada

Publications


Dr Rajesh Dake, A Study On Employees Skill Matrix At A Tertiary Care Hospital, Kakinada-Andhra Pradesh, EPRA International Journal of Multidisciplinary Research, Vol. 5: Issue 11: Page 1 – 5, November 2019

Dr Rajesh Dake, An Analysis of Medico Legal Cases at
Kolkata

219. Dr Kinsuk Das
Gastroenterology, Apollo Gleneagles Hospitals, Kolkata

Lectures

Lecture, Mystery of Ammonia, North East Gastro Meet 2019, Annual conference, Guwahati, 2nd February 2019

Lecture, NAFLD Management, Family Physicians Association, Calcutta, 31st March 2019

Lecture, Management of NAFLD, 27th MEDICON, Annual Conference, Hazaribag, 27th April 2019

Lecture, Chronic Pancreatitis, XXV BIMACON, Annual Conference, Kolkata, 26th May 2019

Lecture, Recent Advances in Hepatic Encephalopathy, HFT LIVER CON V, Annual Conference, Agartala, 2nd June 2019

Lecture, Recent Advances in Management of NAFLD, Gastro, MCH, Kolkata, 7th June 2019

Session Chaired, Case Capsule in Hepatology, Annual Gut Chat Club Conference, Kolkata, 13th January 2019

Moderator and Chairperson, Live Endoscopy Workshop, North East Gastro Meet, Annual Conference, Guwahati, 1st February 2019

Session Chaired, Gastroesophageal diseases, 22nd Annual Conference, ISG West Bengal Chapter, Kolkata, 8th February 2019

Session Chaired, Metabolic Syndrome in Health, MCLD, Annual Conference, Chennai, 3rd March 2019

Session Chaired, Fallen angels, cenicriviroc, tropifexor, selonsertib – what to expect?, 3rd NAFLD: National Conclave on Emerging Therapies, New Delhi, 9th June 2019
Adjudicator, Live Workshop, AIG Live, Hyderabad, 31st August 2019

Session Chaired, 7th Purbanchal Gastrocon, Bhubaneswar, 28th September 2019

Delegate, EASL Member, EASL, Vienna, 10th – 14th April 2019

Delegate, APDW, Kolkata, 12th – 15th December 2019

Professional Societies’ Positions

Vice-president, Indian Society of Gastroenterology, West Bengal Chapter, since 2017

220. Dr Koushik Lahiri
Dermatology, Apollo Gleneagles Hospitals, Kolkata

Lectures

Lecture, Scar removal by fractional CO2 lasers, American Academy of Dermatology, Washington, USA, 1st -5th March 2019

Lecture, Vitiligo surgery: evaluation and evolution, 24th World Congress of Dermatology, Milan, Italy 10th – 15th June 2019

Lecture, Managing e-patients, European Academy of Dermatology and Venereology, Madrid, Spain, 9th – 13th October 2019

Lecture, Topical Steroid Abuse, DASIL World Congress, Goa, India, 30th October- 2nd November 2019

Chairperson, Derma Fillers: Recent Advances, Asia Derma Conference, Singapore, 31st October – 2nd November 2019


Lecture, Using Fractional Lasers in Indian patients for Post Acne Scars, Asia Derma Conference, Singapore, 31st October – 2nd November 2019

Chairperson, Hypopigmentary Disorders, Asia Derma Conference, Singapore, 31st October – 2nd November 2019


Editorial Boards Membership

Editor Emeritus, Indian Journal of Dermatology, since 2018

Member, Egyptian Dermatology Online Journal (EDOJ), since 2006

Member, Indian Clinical Updates, Dermatology, since 1996

Member, Iranian Journal of Dermatology, since 2009

Member, Pigment International, since 2016

Member, European Medical Journal, since 2016

Member, Journal of Cutaneous and Aesthetic surgery, since 2013

Member, The Journal of Clinical and Aesthetic Dermatology (JCAD), since 2016

Member, Royal Society of Medicine-Current Medical Opinions Series (CMOS) in Cosmetology and Current Medical Practice (CMP) in Dermatology, since 2011

Member, Indian Journal of Dermatology, Venerology and Leprology, since 2006

Founding Co-ordinating editor, Indian Dermatology Online Journal (IDOJ), since 2010

Reviewer, Indian Journal of Dermatology, Venereology and Leprology (IJDVL), since 2006

Reviewer, International Journal of Dermatology (IJD), since 2009

Reviewer, British Journal of Dermatology, (BJD), since 2005
Reviewer, Dermatology online Journal (DOJ), USA, since 2005
Member, Indian Journal of Dermatology (IJD), since 1997
Member, Indian Journal of Paediatric Dermatology, since 2019

**Professional Societies' Positions**
Vice President, International Society of Dermatology, since 2017
Vice president, IADVL, WB State Branch, since 2019
Member, American Academy of Dermatology, since 2019
Chairperson, ACSI Academy of Dermatosurgery, since 2017

**Awards**
Adjunct Professorship, AHERF, 2019
Honored, Stars of the Academy Recognition, AAD Annual Meeting, Washington, 2019

221. Dr Mahesh K Goenka
Gastroenterology, Apollo Gleneagles Hospitals, Kolkata

**Professional Societies' Positions**
Clinical Professor of Medicine– Gastroenterology, Medical College of Wisconsin, U S, since 2019

222. Dr Srinjoy Saha
Plastic Surgery, Apollo Gleneagles Hospitals, Kolkata

**Presentations**
Turning Reconstructive Ladder Upside Down with Tissue Scaffolds: Difficult Reconstructions Made Easy, Association of Plastic Surgeons of India, National Conference, Bhubaneswar, December 2019
Scar Normalisation Therapy of Keloids, Hypertrophic Scars and Burn Contractures: A New Paradigm, Association of Plastic Surgeons of India, National Conference, Bhubaneswar, December 2019

223. Dr Suddhasatwya Chatterjee
Internal Medicine, Rheumatology and Geriatric Medicine, Apollo Gleneagles Hospitals, Kolkata

**Lectures**
Faculty and Guest Lecturer, Indian Menopausal Society Annual Conference, Kolkata, 15th – 17th February 2019
Speaker, Geriatric Conclave, New Delhi, 2019
Speaker, Diabetes and Joint Disease-IMA branches of Howrah (WB), 2019
Speaker, Diabetes and Joint Disease-IMA branches of Srirampur (WB), 2019
Speaker, Diabetes and Joint Disease-IMA branches of Jhargram (WB), 2019
Speaker, Diabetes and Joint Disease-IMA branches of Agartala (TRIPURA), 2019
Speaker, Diabetes and Joint Disease-IMA branches of Jamshedpur (Jharkhand), 2019

**Professional Societies' Positions**
Member and executive scientific committee, Geriatric Society of India (WB Chapter)
Member, Indian Society of Critical Care Medicine
224. Dr Sudipta Sekhar Das
Transfusion Medicine, Apollo Gleneagles Hospitals, Kolkata

Publications


Lectures

Speaker, Evaluation of DAT positive samples, MD Transfusion Medicine Student Workshop- East and North India, Kolkata, 13th – 14th February 2019

Speaker, Clinical Application of Apheresis Technology, Apollo Gleneagles Hospitals, Kolkata, 18th February 2019

Speaker, Resolution of DAT positive samples, Medanta- The Medicity Hospital, Gurgaon, 25th February 2019

Speaker, Red cell transfusion in multi transfused patients – Problems & Resolution, Tata Medical Center, Kolkata, 6th April 2019

Speaker, Setting a Blood Transfusion Service for Successful BMT program, BMT Update, Kolkata, 11th May 2019

Speaker, Clinical Blood Transfusion Practice & Role of Leukoreduction, Apollo Gleneagles Hospitals, Kolkata, 28th May 2019

Speaker, Blood safety through molecular techniques: Pioneering NAT technology in Eastern India, 28th Regional Congress of the International Society of Blood Transfusion, Basel, Switzerland, 22nd– 26th June 2019

Speaker, An approach to PAN agglutination, Quality system in Immunohematology, Medical College, Kolkata, 6th September 2019

Panellist, Thrombocytopenia in ICU, NOACs, DOACs, TTP, 11th Annual Conference of Odisha Hematology, Bhubaneswar, 7th-8th September 2019

Speaker, Apheresis Technology, Apollo Gleneagles Hospitals, Kolkata, 10th September 2019

Moderator, Use of Leukofiltered blood, Seminar on Clinical Transfusion Medicine, Tata Medical Center, Kolkata, 14th September 2019

Speaker, Enhancing Blood Safety through NAT, AMRI hospital, Kolkata, 25th September 2019

Speaker, An Approach to Pan Agglutination, Technical Meet – Reference Testing Center, Medanta- The Medicity Hospital, Gurgaon, 26th September, 2019

Speaker, Transfusion management of AIHA, Regional conference of Hematology and Transfusion Medicine, IMMUNOHEMATCON, Kolkata, 14th December 2019

Chairperson, Immunohematology Update, Medanta-The Medicity Hospital, Gurgaon, 25th February 2019

Chairperson, Transfusion Medicine update, Tata Medical Center, Kolkata, 6th April 2019

Chairperson, Recent advances in Blood Banks, Quality system in Immunohematology, Medical College, Kolkata, 6th September 2019

Chairperson and Panellist, Thrombocytopenia in ICU, NOACs, DOACs, TTP, 11th Annual Conference of Odisha Hematology, Bhubaneswar, 7th-8th September 2019

Chairperson, Recent advances in blood component therapy, Seminar on Clinical Transfusion Medicine, Tata Medical Center, 14th September 2019

Chairperson, Enhancing Blood Safety through NAT, AMRI hospital, 25th September 2019

Chairperson, Immunohematology Update, Technical Meet – Reference Testing Center, Medanta- The Medicity Hospital, Gurgaon, 26th September 2019

Chairperson, Regional Conference of Hematology and Transfusion Medicine IMMUNOHEMATCON, Kolkata, 14th December 2019
Editorial Board Membership

Reviewer, International Editorial board, IBIMA publishing, USA, since January 2013
Reviewer, Asian journal of Transfusion Science, India, since June 2012
Reviewer, Journal of Blood transfusion, USA, since February 2013
Reviewer, International journal of case reports in medicine, since August 2013
Reviewer, Indian journal of haematology and blood transfusion, since June 2014
Reviewer, Saudi Medical Journal, since August 2014
Reviewer, Journal of Haematology, Blood Transfusion and Disorders, since 2015
Reviewer, Clinical Chemistry and Laboratory Medicine, since 2016
Reviewer, Global Journal of Transfusion Medicine, since 2018

Professional Societies' Positions

Lifetime member, The Indian Society of Blood Transfusion and Immunohematology (ISBTI), since 2003
Lifetime member, The Indian Society of Haematology and Transfusion Medicine, (ISHTM), since 2003
Lifetime membership, The Indian Society of Transfusion Medicine, since 2010
Lifetime member, The South Asian Association of Transfusion Medicine, (SAATM), since 2012
Member, Global Association of Physicians of Indian Origin (GAPIO), since 2012
Member, The International Society of Blood Transfusion (ISBT), since 2013
Joint secretary, Indian Society of Transfusion Medicine, since 2016
Secretary General, Bengal Society of Transfusion Medicine, since 2015
Convenor, Special Interest Group – Immunohematology, Indian Society of Transfusion Medicine
NABH assessor, Blood Banks, Quality control of India

Member of task forces of Government of India or State Governments

External Resource Person, Transfusion Medicine, National AIDS control organization, Government of India
Technical Expert, Transfusion Medicine and Blood banking, Government of West Bengal
Technical Expert, Transfusion Medicine and Blood banking, Government of Assam
Member Secretary, Eastern India, National Hemovigilance Program, Govterment of India
Core Member of the Technical Committee, Cord Blood Banking, Government of West Bengal

225. Dr Surajit Gorai
Dermatology, Apollo Gleneagles Hospitals, Kolkata

Chapters contributed to text books

Dr Surajit Gorai, Topical Retinoid, Textbook of dermatology for postgraduate, Chapter 149, 1st edition, Jaypee Brothers Publications, 2019

Publications

Saptarshi Chatterjee, Debangshu Dey, Sugata Munshi, Surajit Goraib, Extraction of features from cross correlation in space and frequency domains for classification of skin lesions, Biomedical Signal
Processing and Control, Vol. 53, August 2019


Lectures

Invited panellist, Getting optimal therapeutic outcome in Androgenetic Alopecia National Conference, DERMACON, Bangalore, 17th – 20th January 2019

Debate, Scar should not be treated, Regional Scar Forum- An association of plastic surgeons of WB, 4th May 2019

Talk, Interesting cases in Pediatric Dermatology, In Apollo Gleneagles Hospital, Kolkata, 10th May 2019

Panelist, JAK inhibitors for severe Alopecia areata, Best of AAD, American Academy of Dermatology, Delhi, 19th October 2019

Debate, Oral Glutathione in Melasma- safety for years - for the motion, 4th Pigmentarycon, Kolkata, 15th – 17th November 2019

Panelist, Challenges in practice of new era, CUTICON, Jharkhand, 15th December 2019

Talk, Al (Artificial Intelligence) in Dermatology, World Artificial Intelligence in Healthcare Summit, Kolkata, 24th December 2019

Organising Committee member, Pigmentarycon, Kolkata, 15th – 17th November 2019

Workshop coordinator Vitiligo surgery, Pigmentarycon, Kolkata, 15th – 17th November 2019

Moderated a session, Pearls in dermatosurgery, 3rd PGCON, IPGMER, Kolkata, 6th December 2019

Panellist, DECODE, A program dedicated to most relevant dermatology menace of the year, 6th January 2019

Presentations

Poster Presentation, Scholarship for the congress 24th World Congress Of Dermatology, Milan, 22nd February 2019

Presentation, Immunobullous disorder, BRIDGE meeting, Kolkata, 8th April 2019

Editorial Board Membership

Editorial Board Member, Indian Journal of Dermatology, since March 2019

Reviewer, Indian Journal of Dermatology, IJD

Professional Societies’ Position

Member, Indian Dermatology Venereology and Leprology (IADVL)

Member, Association of cutaneous surgeons of India (ACSI)

Member, Indian association for sexology

Member, ISD (International Society of Dermatology)

Awards

Travel Grant Award, World Congress of Dermatology, Milan, Italy, 2019

IADVL Award, South Asian Regional Congress Award, 2019

226. Dr Suvro Banerjee
Cardiology, Apollo Gleneagles Hospitals, Kolkata

Chapters contributed to text books

Dr S Banerjee, ECG Changes in Athletes: How to prognosticate, Section 24, Chapter 141, Cardiology Update, Editor- Dr MK Das, 1st edition, Evangel publishing, Page 1147-1151, 2019
Publications


Lectures

Lecture, Iatrogenic coronary-cameral fistula, Advanced Cardiology meeting & FESC International program, Mumbai, January 2019

Lecture, FFR in Primary PCI, STEMI India, Kolkata, July 2019

Faculty, STEMI India, Kolkata, 2019

Editorial Board Membership

Member, Editorial Board, EC Cardiology, since 2017

Editor, Editorial Advisory Board, Indian Heart Journal Interventions, since 2019

Member, Abstract Reviewing Committee, ESC Congress, since 2019

Reviewer, Indian Heart Journal, since 2014

Professional Societies' Position

Regional advisor, Royal College of Physicians of Edinburgh for East Region of India and West Bengal, since 2019

Secretary, Cardiological Society of India, West Bengal Branch, since 2017

Member, Indian Medical Association (IMA)

Examinership

Examiner, MRCP (UK), 2019

Awards

Bengal's Pride Award, Health/Social Care, Asian Voice and Gujarat Samachar, House of Commons, UK, 10th July 2019

227. Dr Syamasis Bandyopadhyay

Rheumatology, Apollo Gleneagles Hospitals, Kolkata

Book Published

Editor- Dr Syamasis Bandyopadhyay, Progress In Medicine, 2019

Chapters contributed to text books

Dr Syamasis Bandyopadhyay, Management of Spondyloarthropathy, Chapter 80, 2019

Publications


Lectures

Chairperson, Gastroenterolgy for Interenist, Asia Pacific Digestive Week, Kolkata, 12th -15th December 2019

Presentation

Safety Of Baricinitib In Patient With Moderate To Severely Active Rheumatoid Arthritis, IRACON, Puducherry, 5th-8th December, 2019

Efficacy of Baricinitib in Indian Patients with Moderate
to Severe Rheumatoid Arthritis – IRACON, Puducherry, 5th-8th December, 2019

**Editorial Boards Membership**

Member, Indian Rheumatology Association

Member, Asia Specific League of Associations for Rheumatology

Member, Indian Society of Critical Care Medicine

**Examinership**

Examiner, DNB Medicine, Osmania Medical College, Hyderabad, May 2019

**Lucknow**

**228. Dr Aditya K Sharma**

Urology and Renal Transplant, Apollomedics Super Speciality Hospitals, Lucknow

**Lectures**

Debate, Supine vs Prone PCNL, USICON 2019, Bhubaneshwar, 23rd January 2019

Lecture, Can RIRS and Supine PCNL replace Traditional PCNL, RIRS VS MINIPERC Operative Workshop, Location, 17th May 2019

Lecture, Supine VS Prone PCNL, PERCON 2019, Jodhpur, 16th August 2019

Lecture, Tips and Tricks of Supine PCNL, KUA Endourology Workshop 2019, Karnataka, 16th February 2019

Lecture, Mini-PCNL & Concepts of Supine PCNL, Urology association Meeting, Madras, 31st August 2019

Lecture, Simplifying supine PCNL; Why & How!, Advancement in Visualization and Stone Management, Urology Club, Lucknow, 21st December 2019

**Presentations**

Live Presentation, Endoscopic Combined intrarenal Surgery, NZUSICON 2019, Noida, 15th-17th November 2019

Live Presentation, Simultaneous Bilateral Intrarenal Surgery, AIE 2019 Ahmedabad, 14th December 2019

**229. Dr Kashi Nath Prasad**

Microbiology, Apollomedics Super Speciality Hospitals, Lucknow

**Awards**

Indian Association of Medical Microbiologists (IAMM) Endowment Oration Award, 43rd National Conference of IAMM, Mumbai, 29th November – 1st December 2019

**230. Dr. Mritunjay Kumar**

Pediatrics and Neonatology, Apollomedics Super Speciality Hospitals, Lucknow

**Publications**


**Lectures**

Faculty, International Pediatric critical care nephrology and dialysis course, Gurugram, 2019

**Presentations**

ANCA-associated vasculitis in a girl with Takayasu arteritis, Alberta Children Hospital, Calgary vasculitis symposium, Canada, 10th October 2019

Haemorrhagic catastrophe in a newborn due to coagulation defect masquerading Haemophilia B, National Conference of Neonatology, NNF-NEOCON, Hyderabad, 12th – 15th December 2019

**Professional Societies’ Position**

Life member, Indain academy of Pediatrics, since 2013

Life member, Indian society of Pediatric Nephrology, since 2014

Life member, Indian medical association (IMA), since
2016

Life member, National neonatology forum (NNF), since 2015

**Awards**

Winner, Interesting case competition, Calgary vasculitis symposium 2019, Alberta Children Hospital, Calgary, Canada, 2019

**Madurai**

231. **Dr Chitra Ayyappan**
Pediatrics and Neonatology, Apollo Speciality Hospitals, Madurai

**Awards**

Medical Excellence Award, Teaching, Governor of Tamil Nadu AGAI, 1st July 2019

232. **Dr P Subburamakrishnan**
Interventional Cardiology, Apollo Speciality Hospitals, Madurai

**Awards**

Fellowship, The Society for Cardiovascular Angiography and Interventions (SCAI) and European Society of Cardiology, 2019

233. **Dr Sivam Sabhesan**
Psychiatry, Apollo Speciality Hospitals, Madurai

**Publications**


**Professional Societies' Position**

President, Indian Psychiatric Society, at State (Tamil Nadu) and Zonal (South Zone) levels

**Mysore**

234. **Dr Avinash R**
Pulmonology, Apollo BGS Hospitals, Mysore

**Professional Societies' Position**

Member, National College of Chest Physicians

Member, Indian Chest Society

Member, European Respiratory; Society

Member, Indian Allergy Associations

235. **Dr Aathira Ravindranath**
Pediatric Gastroenterology, Apollo BGS Hospitals, Mysore

**Chapters contributed to text books**

Dr Aathira Ravindranath, Dysphagia and Odynophagia, Differential Diagnosis in Pediatrics (Indian Academy of Pediatrics), Chapter 9.3 (Section 9), Editor- K Nedunchelian, P Ramachandran, S Thangavelu, NC Gowrishanker, 1st edition, Jaypee brothers publications, Page 279- 284, 2019


**Publications**


Ravindranath A, Sen Sarma M, Yachha SK, Lal R, Singh


Presentations

Oral poster, Hepatic encephalopathy in children with chronic liver disease: response to therapy, recurrence and outcome, Asian Pacific Digestive Week, Kolkata, December 2019

Oral Poster, Delta-Cortisol Model Predicts outcome in decompensated cirrhotic children with hepatoadrenal syndrome: Prospective longitudinal study, Asian Pacific Digestive Week, Kolkata, December 2019

Exemplary clinical case presentation, Mimicker of Gastrointestinal lymphoma in a child – Basidiobolomycosis, United European Gastroenterology Week, Barcelona, October 2019

Poster presentation, Effects of portosystemic shunt surgery on cholangiopathy in children with Extrahepatic portal venous obstruction, United European Gastroenterology Week, Barcelona, October 2019

Editorial Boards Membership

Peer Reviewer, Indian Journal of Gastroenterology

Peer Reviewer, Journal of Clinical and Translational Hepatology

Professional Societies' Position

Member, Indian Academy of Pediatrics

Member, Indian Society of Pediatric Gastroenterology Hepatology and Nutrition

Member and contributor, PRESIDE India

Awards

International Scholarship Award, United European Gastroenterology Week, Barcelona, October 2019

Poster of Excellence Award, United European Gastroenterology Week, Barcelona, October 2019

Exemplary Clinical case Award, United European Gastroenterology Week, Barcelona, October 2019

Travel Grant Award, Asia Pacific Digestive Week, Kolkata, December 2019

236. Dr Devaraja R
Hepatology, Apollo BGS Hospitals, Mysore

Professional Societies' Position

Member, European Associations for study of Liver Disease

237. Dr Jayanth B N
General Surgery, Apollo BGS Hospitals, Mysore

Publications

Suhas Umakanth, Jayanth Bannur Nagaraja, Srinath Subbarayappa, Derotation gastropexy for a case of...
chronic mesentericoaxial gastric volvulus, Apollo Medicine, Vol. 16: Issue 2: Page 118-121, 2019


Lectures

Judges for poster and paper presentation, ICSICON, Mysore, 2019

Presentations

Poster Presentation, A Case Report on Gastric Volvulus, IAGES, Bhubaneshwar, 2019

238. Dr Maniyur Raghuvendran
Urology and Renal Transplant, Apollo BGS Hospitals, Mysore

Publications


Lectures

Chairperson, USICON national conference, Bhubaneshwar, 2019

Stent related Discomfort – Does adding mirabgation to anti cholinergic regimes help?, Moderated poster session, AUA meet, Chicago, 5th -9th May 2019

Editorial Boards Membership

Reviewer, Indian Journal of Urology, since 2016
Reviewer, BMJ Case report, since 2018
Reviewer, Urologia Internationalis, since 2018

Professional Societies' Position

Treasurer, Internees Association, SVMC, Trupati
Member, Urological Society of India
Member, NZ- Urological Society of India
Member, Indian Medical Association
Member, SZ- Urologica Society of India
Member, AUA
Member, SIU

239. Dr Rajkumar Prannath Wadhwa
Gastroenterology, Apollo BGS Hospitals, Mysore

Lectures

Faculty, Asia Pacific Digestive Disease Week, Kolkata, December 2019

Editorial Boards Membership

Member, Advisory Board, Journal of Internal Medicine
Member, Editorial Board, API Journal of Karnataka

Professional Societies' Position

Life Member, Indian Society of Gastroentrology,
Life Member, Indian National Association for study of Liver Disease
Life Member, Society of Gastrointestinal Endoscopy of India
Secretary, Karnataka Chapter of Indian Society of Gastroenterology, since 2015

Member, American Society of Gastrointestinal Endoscopy

**Member of task forces of Government of India or State Governments**

Member, Task force for upper GI Bleed by Indian Society of Gastroenterology

Member, Task force for Gastroesophageal reflux disease by Indian Society of Gastroenterology

**240. Dr Ramakrishna M N**

Critical Care, Apollo BGS Hospitals, Mysore

**Lectures**

Organiser, Infectious Disease Symposium, 2019

**Professional Societies' Position**

Member, ISCCM

Member, Executive Committee, ISCCM Branch, Mysore

**241. Dr Sanjeeva Rao Girimaji**

General Medicine, Apollo BGS Hospitals, Mysore

**Professional Societies' Position**

Life Member, Geriatric Society of India

Life Member, RSSDI

Member, American Diabetic Association

Member, American College of Physician

**242. Dr Shiva Prasad B. N.**

Rheumatology, Apollo BGS Hospitals, Mysore

**Publications**


**Lectures**

Faculty, Leprosy Arthritis, IRACON, National Conference, Puducherry, December 2019

Faculty, Rheumatological Rarities, SZIRACON, Mahabalipuram, July 2019
Faculty, Immunogenetics, 6th Annual Conference of Association of Physiologist of India, September 2019

Faculty, Extra – pulmonary Sarcoidosis, KRA meet, Mangalore, 2019

Presentations

Poster presentation, Epidemiological profile of Sarcoidosis in South India, Korea International Rheumatology Conference, May 2019

Editorial Boards Membership

Reviewer, Indian Journal of Rheumatology

Professional Societies' Position

Member, Association of Physicians of India

Member, Indian Medical Association

Executive Member, Indian Rheumatology Association, Karnataka Chapter

Navi Mumbai

243. Dr Abhijit Bagde
Pediatric Critical Care, Apollo Hospitals, Navi Mumbai

Chapters contributed to text books


Publications


Lectures

Panel discussion, Imaging in Critical Care, PEDICON, IAP National conference, Mumbai, February 2019

Panel discussion, Shock, assessment in Emergency room and treatment, EPICON, Maharashtra state Emergency Pediatric and surgery Congress, Mumbai, February 2019

Moderator, Difficult respiratory cases, Ventilator strategies, EMBICON, The International Conference on Intensive Care and Annual Conference of Indian Academy of Pediatrics, Mumbai, June 2019

Lecture, Hypertensive emergency in children, NCPCC (National Conference of Pediatric Critical Care), Bangalore, December 2019

Panel discussion, Abdominal emergencies, NCPCC (National Conference of Pediatric Critical Care), Bangalore, December 2019

244. Dr Aklesh Tandekar
Critical Care, Apollo Hospitals, Navi Mumbai

Examinership

FCCCCM exam part 1, March 2019

245. Dr Amey Sonavane
Gastroenterology, Apollo Hospitals, Navi Mumbai

Chapters contributed to text books

Dr Amey Sonavane, Non-alcoholic fatty liver disease and liver transplantation, GI CLINICAL UPDATES: Non Alcoholic Fatty Liver Disease, Chapter 11, Editor- Dr Akash Shukla, 1st Edition, Kontentworx, Page 107-120, 2019

Dr Amey Sonavane, Liver Transplantation and Hepatic Encephalopathy, Hepatic Encephalopathy Updates, Chapter 5c, Editor- Dr Abraham Koshy, 1st Edition,
Kontentworx, Page 76-85, 2019

Publications


Sonavane AD, Saigal S, An Enigmatic Case of undiagnosed severe diarrhea post living donor liver transplantation, Transplant Immunology, Vol. 5: Issue 4: Page 17-19, June 2019


246. Dr Dhanya Dharmapalan
Pediatrics, Apollo Hospitals, Navi Mumbai

Books published


Associate Editor – Dhanya Dharmapalan, Partha's Investigations and Interpretations in Pediatric and Adolescent Practice, 1st Edition, Jaypee Brothers Medical Publishers, 2019

Chapters contributed to text books

Dhanya Dharmapalan, MRSA, FAQs of Rational Antibiotic Therapy, Chief Editors - Abhay K Shah, Digant D Shastri, Jaypee Brothers Medical Publishers, 2019


Dhanya Dharmapalan, A Case scenario on Rational Antibiotic Use, Case Based Reviews in Pediatric Infectious Diseases, Editors – Kalra, Vashishta, Jaypee Brothers Medical Publishers, 2019

Publications


Hsia Y, Lee BR, et al (as member of GARPEC), Use of the WHO Access, Watch and Reserve Classification to define patterns of hospital use (aWARe), Lancet Global Health, Vol. 7: Issue 7: Page e861-71, July 2019

Editorial Boards Membership

Member, Pediatric Infectious Disease, since 2019

Professional Societies' Position

Co-Lead, Global antibiotic stewardship activities of Pediatric Infectious disease Society of America, since December 2019

Dr Dhanya Dharmapalan
Core Committee Member, National module on Paediatric Infection Control in nursing homes, intensive cares and clinics, IAP, since 2019

Member, Infectious Disease Society of America (IDSA), since 2018

Young ESPID member, European Society of Pediatric Infectious Disease (ESPID), since 2013

Life member, International Society of Infectious Diseases (ISID), since 2016

Member, Pediatric Infectious Diseases Society (PIDS), since 2018

Life Member, Indian Academy of Pediatrics (IAP), since 2008

Life Member, IAP Infectious Disease Chapter (IAP IDC), since 2008

Life member, Indian Medical Association (IMA), since 2003

Awards
Youngest Editor of Pediatric Books, National Record, March 2019

Young Academician Award, Founders Day, February 2019

247. Dr Dipalee Bharatrao Borade
Radiation Oncology, Apollo Hospitals, Navi Mumbai

Lectures
Dosimetric superiority of prone position in radiotherapy of early breast cancer following conservative surgery, 4th Meeting of Federation of Asian Organizations for Radiation Oncology (FARO, China, 15th November 2019

Dosimetric superiority of prone position in radiotherapy of early breast cancer following conservative surgery, 41st Annual Conference of Radiation Oncologists of India (AROICON), Ahmedabad, Gujarat, 1st December 2019

248. Dr Gunadhar Padhi
Critical Care, Apollo Hospitals, Navi Mumbai

Examinership
FCCCM exam part 1, March 2019

249. Dr Laxman G. Jessani
Infectious Diseases, Apollo Hospitals, Navi Mumbai

Publications

Lectures
Faculty and Speaker, Influenza Associated Aspergillosis, State Level Conference, Indian Society of Critical Care Medicine (ISCCM), MAHACRITICON, Navi Mumbai, December 2019

Faculty and Speaker, Syndromic Approach to Infections, National Level Conference, Indian Association of Medical Microbiologists (MICROCON), Mumbai, November 2019

Faculty and Speaker, HIV infection in 2019, Infectious Disease Certificate Course (IDCC), P D Hinduja Hospital, Mumbai, November 2019

Faculty and Speaker, Invasive fungal infections in ICU, State Level Conference, Maharashtra Association of Physicians of India (MAPICON), Navi Mumbai, October 2019

Executive and Organizing committee member, State Level Conference, Maharashtra Association of Physicians of India (MAPICON), Navi Mumbai, October 2019

Faculty and Speaker, HIV update, State Level Conference, Maharashtra Association of Physicians of
India (MAPICON), Navi Mumbai, October 2019
Executive and Organizing committee member, HIV update, State Level Conference, Maharashtra Association of Physicians of India (MAPICON), Navi Mumbai, October 2019
Faculty and Speaker, Antibiotic stewardship workshop, State Level Conference, Maharashtra Association of Physicians of India (MAPICON), Navi Mumbai, October 2019
Executive and Organizing committee member, Antibiotic stewardship workshop, State Level Conference, Maharashtra Association of Physicians of India (MAPICON), Navi Mumbai, October 2019
Speaker, Outbreak investigation: Steps to follow, INFECON, Jaslok hospital, Mumbai, October 2019
Faculty and Speaker, Infectious diseases: Syndromic approach, Apollo Hospital, Mysore, September 2019
Faculty and Speaker, Use of biomarkers in invasive fungal infections, National Conference, Clinical Infectious Diseases Conference, (CIDSCON), Kochi, August 2019
Faculty and Speaker, Best of ASCO: HIV and Oncology, Medical Oncologist Association, Mumbai, June 2019
Faculty, Update in Infectious Diseases, Zen Hospital, Mumbai, June 2019
Faculty and Speaker, Solid Organ Transplant Infections, Global Hospital, Mumbai, June 2019
Speaker, Role of physician/microbiologist in Infectious Diseases, Tata Memorial Hospital, Mumbai, April 2019
Faculty and Speaker, Effective use of technology in Clinical Medicine, Workshop in national level conference, Association of Physicians of India (APICON), Kochi, February 2019
Organizing committee member, Effective use of technology in Clinical Medicine, Workshop in national level conference, Association of Physicians of India (APICON), Kochi, February 2019
Faculty and Speaker, Challenging cases in Infectious diseases, National Level Conference, MEDINSPIRE, Navi Mumbai, February 2019
Faculty and Panelist, Treatment of Invasive Fungal Infections, National Critical Care Conference (CRITICARE), ISCCM, Mumbai, February 2019
Faculty and Speaker, Appropriate use of antibiotics, State Level Conference, Raigad Association of Physicians (RAICON), Lonavala, January 2019
Speaker, HIV updates, Indian Medical Association, Thane Chapter, Association of Physicians of India, Maharashtra Chapter and HIV Welfare Society, Mumbai, January 2019

Editorial Boards Membership
Reviewer, for Australasian Medical Journal (AMJ)
Reviewer, for Open Journal of Clinical and Medical Case reports
Reviewer, for Indian Journal of Critical Care

Professional Societies’ Position
Founder member, Infectious Diseases and Infection Control Forum, Mumbai
Life-time Member of Association of Physicians'of India
Member, Clinical Infectious Disease Society of India
Member, Infectious Disease Society of America(IDSA)

250. Dr Pankaj Deshpande
Pediatric Nephrology, Apollo Hospitals, Navi Mumbai

Chapters contributed to text books
Dr Pankaj Deshpande, Nephrology, Chapter 10, Partha's Investigations and Interpretations In Pediatric and Adolescent Practice, Editor-in-Chief- A Parthasarathy, Edition- 1, Jaypee Brother, Page 128 – 145, 2019
Dr Pankaj Deshpande, Antimicrobial Therapy in UTI, Chapter 23, Rational AntiMicrobial Practice in
Lectures

Talk, What you eat and kidneys, Pedicon, Mumbai, February 2019

Lecture, Acute Kidney Injury in PICU, Embicon, Mumbai, July 2019

Lecture, Common tests in kidney function, TRAC module, Alibag, 19th September 2019

Lecture, Kidneys and common problems, MCUG, West Zone Pedicon, Surat, 19th September, 2019

Lecture, Nutrition in kidney diseases, Nutricon, Navi Mumbai, August 2019

Lecture, Nephrotic Syndrome with Diabetes Mellitus, Hinduja Hospitals Groundround, Mumbai, October 2019

Lecture, Urine routine, Creatinine, FLIRT, Navi Mumbai, November 2019

Lecture, Panel: UTI, Nephrotic syn, Mahapedicon, Amravati, November 2019

Lecture, Pediatric Nephrology, IMA Fest, Dombivili, November 2019

Lecture, HUS, NS, CPS lectures, Mumbai, December 2019

251. Dr Rajesh S Shinde
Surgical Oncology, Apollo Hospitals, Navi Mumbai

Chapters contributed to text books

Dr Rajesh S Shinde, Pancreatic and Periampullary Cancer, Surgical Gastroenterology, Editor- Sanjiv Haribhakti, Volume 2, 3rd edition, Paras Medical Publisher, Page 1464-1474,2019

Publications


Shinde RS, Acharya R, Kumar, Pelvic exenteration with cytoreductive surgery and hyperthermic intraperitoneal chemotherapy (CRS+ HIPEC) for rectal cancer- case series with review of literature, Ind J Surg Oncology, Vol. 10: Issue (suppl. 1): Page 80-83, 2019


Lectures

Moderator, Live operative workshop, Whipples PD-Oncosurg, Tata Memorial Hospital, Mumbai, 2019

Panel discussion, Surgical tricks and tips in pancreatic surgery, Annual international review in gastrointestinal cancers, Mumbai, 9th -10th March 2019

Panel discussion, Cholangiocarcinoma, ISO - ISMPO 2019 Conference, Indore, 1st -3rd November 2019

Presentations

Comparative study of Updated Alternative Fistula Risk Score (uaFRS), Alternative Fistula Risk Score (aFRS) and Fistula Risk Score (FRS) For Predicting the Risk of Postoperative Pancreatic Fistula After Pancreaticoduodenectomy, NATCON, Kolkata, 2019

E-Video presentation, Supracolic total mesopancreatic excision, IHPBA, Jaipur, 2019
Awards

Best Paper Award, Natcon, 2019

252. Dr Sachin Pralhad Sanagar
Cardiovascular and thoracic Surgery, Apollo Hospitals, Navi Mumbai

Publications


253. Dr Sanjay Khare
Internal Medicine, Apollo Hospitals, Navi Mumbai

Awards
SCOPE certification, World Obesity Federation, January 2019

254. Dr Sanjeev Jadhav
Heart and Lung Transplants, Apollo Hospitals, Navi Mumbai

Publications

255. Dr Shishir Shetty
Surgical Oncology, Apollo Hospitals, Navi Mumbai

Lectures
Talk, Cancer Awareness, Bunts Sangh, Nerul, 1st September 2019

256. Dr Shreyas Somanath
Surgical Oncology, Apollo Hospitals, Navi Mumbai

Lectures
Lecture, Use of Low Molecular Weight Heparin (LMWH) in cancer induced thrombosis, A scientific session, Tumor board, Mumbai, 30th October 2019

257. Dr Vijay Yewale
Pediatrics, Apollo Hospitals, Navi Mumbai

Books published

258. Dr Vipin Kumar Pathak
Radiology, Apollo Hospitals, Navi Mumbai

Publications
Dr. Vipin Kumar Pathak, Dr. B.K. Kunwar, Dr. Chandrasekhar Tulasigeri, Dr. Apsangikar P, Successful use of fibrin sealant in post-catheterization pseudo aneurysm of femoral artery after failure of compression attempt- A case study, International Journal Of Current Research, Vol. 11, Issue 1, Page 711-714, January 2019

Lectures
Role of MRI in fetal anomaly-A case-based approach, 18thMRI Teaching Course, Nanavati Super Speciality Hospital, Mumbai, 31st March 2019

Advantage of fetal MRI in complex congenital anomaly, NMOGS, Navi Mumbai, April 2019

Interesting cases, Neurosciences Panvel, Navi Mumbai, 28th April 2019

Nellore

259. Dr Bindu Menon
Neurology, Apollo Speciality Hospitals, Nellore

Chapters contributed to text books
Dr Bindu Menon, Deep Learning in Early detection of
Alzheimer’s, Chapter 9, Handbook of Research on Deep Learning Innovations and Trends, Editor - Aboul Ella Hassanien, 1st edition, IGI Global, Page 153-162, April 2019

Dr Bindu Menon, Tremors, Handbook of Geriatric Care, Editor – Dr O P Sharma, 1st edition Viva books limited, Page 55-56, 2019

Dr Bindu Menon, Movement disorders, Handbook of Geriatric Care, Editor – Dr O P Sharma, 1st edition, Viva books limited, Page 257-263, 2019

Dr Bindu Menon, Stroke, Handbook of Geriatric Care, Editor – Dr O P Sharma, 1st edition, Viva books limited, Page 235-238, 2019

Dr Bindu Menon, Epilepsy, Handbook of Geriatric Care, Editor – Dr O P Sharma, 1st edition, Viva books limited, Page 231-234, 2019

Publications


Menon Bindu, Stroke in elderly, Indian Journal of Geriatric care, Vol. 8: Page 144-146, 2019

Menon Bindu, Pasupuleti S, Poor awareness of role of helmet in preventing the head injury, Indian J Community Med, Vol. 44: Page 291 -292, 2019


Orations

Lecture, J J Rao oration, 16th International conference of Geriatric society of India, GSICON, Mumbai, 14th September 2019

Lectures

Lecture, Stroke for Students, SHINE, 9th Annual conference of clinical Neurology, Chennai, 22nd – 24th February 2019

Lecture, Epilepsy treatment in the community, Breaking the barriers, CME on epilepsy, JIPMER, Pondicherry, 10th February 2019

Lecture, TIA Risk stratification and work up, Karnataka neurosciences summit, Davagare Karnataka, 26th January 2019

Lecture, Salvaging the subconscious, TED X Talk AIIMS, Bhubaneswar, 17th August 2019

Lecture, Neurology on wheels, Walton center Postgraduate Medical Education, Lunchtime series, Liverpool, UK, 10th April 2019

Lecture, Asian-oceanian Regional Symposium: History, Practice and Science of Traditional Medicine in Asia, regional symposium session at the XXIV World Congress of Neurology, Dubai, 27th – 31st October 2019

Lecture, Prevalence of Migraine In Nurses- a hospital based study, XXIV World Congress of Neurology, Dubai, 27th – 31st October 2019

Lecture, Reproductive endocrine functions in women with epilepsy, XXIV World Congress of Neurology, Dubai, 27th – 31st October 2019

Lecture, Poor Awareness of role of Helmet to prevent Head Injury, XXIV World Congress of Neurology, Dubai, 27th – 31st October 2019

Lecture, Association of ace gene insertion/deletion polymorphism and ischemic stroke in south Indian population, 11th World Stroke Congress (WSC), Montreal, Canada, 17th – 20th October 2019

Lecture, Decreased antioxidant levels and oxidative stress in patients with epilepsy, 11th World Stroke Congress (WSC), Montreal, Canada, 17th – 20th October 2019
Lecture, Evaluation of plasma Ceruloplasmin levels in ischemic stroke, 11th World Stroke Congress (WSC), Montreal, Canada, 17th – 20th October 2019

Lecture, Elements of normal EEG (awake & sleep) and activation procedures, Brain and Spine Society EEG workshop EEG Workshop EEG Analysis and Interpretation, Hyderabad, 23rd – 24th November 2019

Identify the EEG - Artifacts in EEG, Brain and Spine Society EEG workshop EEG Workshop EEG Analysis and Interpretation, Hyderabad, 23rd – 24th November 2019

EEG in partial Epilepsies, Brain and Spine Society EEG workshop EEG Workshop EEG Analysis and Interpretation, Hyderabad, 23rd – 24th November 2019

EEG in generalized Epilepsies, Brain and Spine Society EEG workshop EEG Workshop EEG Analysis and Interpretation, Hyderabad, 23rd – 24th November 2019

Post Ictal psychosis!, International Neuropsychiatric Association (INA) Colloquium, Chennai, 29th–30th November 2019

Neurological disorders in women - gender issues, National conference of the Indian Academy of Neurology, Hyderabad, 3rd – 6th October 2019

Approach to Rapidly Progressive Cognitive Decline, World Neuroscience Summit, New Delhi, 25th August 2019

Which AED to start, 20th Joint Conference of Indian Epilepsy Society (IES) and Indian Epilepsy Association (IEA), New Delhi, 8th - 10th March 2019

The Neurological Examination – the neuro clues, Pearls in clinical neurology, Nellore, 21st – 22nd December 2019

Represented, Indian subcontinent and Epilepsy in the special group on the Neuroepidemiology, World Federation of Neurology, November 2019

Convener, Neurological disorders in women - gender issues, National conference of the Indian Academy of Neurology, 3rd - 6th October 2019

**Editorial Boards Membership**

Board Member, International Journal of Epilepsy, since 2015

Chief Editor, Epilepsy India Newsletter, official national newsletter of the Indian Epilepsy association and Indian Epilepsy Society, since 2017

**Professional Societies’ Position**

President, Simhapuri Nellore Neuro Club, since 19th April 2019

President, Epilepsy association, Nellore chapter, since 2008

Member, Stroke support organization, since 2019

Representative, WHO South East Asia Region, World stroke organization, since 2019

Advisory Board member, National advisory board of the Valproate consensus, since 2016

Member, Andhra Pradesh Medical Council

Advisory Board member, Indian Epilepsy Society-Epilepsy and Indian Law, since 2018

Member, World Stroke organization, since 2017

**Awards**

Sakshi Excellence Award in Healthcare, by the governor of Telengana E. S. L.Narasimhan, Hyderabad, 10th August 2019

Life Saver Award, for treating stroke patients, Chennai, 5th February 2019

Indian Academy of Neurology (FIAN) Award, National conference of Indian Academy of Neurology, Hyderabad, 3rd October 2019

Fellowship, Indian Academy of Neurology, FIAN, 27th
National Conference of Indian Academy of Neurology, Hyderabad, 3rd October 2019

260. Dr Giddaluru Gireesh Reddy
Nephrology, Apollo Speciality Hospitals, Nellore

Lectures

Lecture, Vascular Access Malfunction, How to go about it in our patients?, 39th Annual Conference of Indian Society of Nephrology, Southern Chapter, Tirupati, 2019

Presentations

Impact of interventional Nephrology in Vascular Access Care in a developing nation, A 2yr. experience, 15th Conference of American Society of Diagnostic and Interventional Nephrology (ASDIN), Atlanta, Georgia, USA, 15th – 17th February 2019

Professional Societies' Position

Member, American Society of Diagnostic and Interventional Nephrology
Member, Vascular Access Society of the Americas
Member, International Society of Nephrology (ISN), since 2013
Member, Indian Society of Nephrology (ISN), since 2013

261. Dr Gowrinath Karanam
Pulmonary Medicine, Apollo Speciality Hospitals, Nellore

Lectures

Chaired a session, Pulmonary vascular disorders, 21st NAPCON, Kochi, 21st – 24th November 2019

Editorial Boards Membership

Reviewer, Respirology, International Indexed Journal (Asia Pacific region)

262. Dr Deepa Passi
Pediatrics, Apollo Hospitals, Noida

Publications

Dr Deepa Passi, Socio Ecological determinants of Substance Use in Adolescents for central, IAP Indian Journal Adolescent Medicine, Vol. 1: Issue 1, 2019

Lectures

Lecture, Child Sexual Abuse, TOT at SSPGHT, Noida, 5th February 2019

Talk, Suicide in Adolescents, Mission Kishore Uday, Program of central IAP, Gurugram, 31st March 2019
Chairperson, CentZ P’con, Noida, 20th–21st April 2019

Chaired the session, Gendersensitisation, CentZ P’con, Noida, 20th – 21st April 2019

Convenor, UP Pedia Respira, Noida, 7th July 2019

Chaired a session, Cystic Fibrosis, UP Pedia Respira, Noida, 7th July 2019

 Coordinator, MKU a Central IAP Endeavor, Noida, 21st July 2019

Talk, Suicide in Adolescents, MKU a Central IAP Endeavor, Noida, 21st July 2019

Chaired a session, Is Anemia just low Hemoglobin? And Gene basis in cancer therapeutics, NORC (National Convention Research Convention), 11th August 2019

Lecture, Empowerment of girl child, Gender sensitization, IAP women wing AHA, Institute of Child Health Sir Gangaram, Delhi, 13th September 2019

Organizing secretary, Adolescent Health workshop, PCNI, Delhi, 2019

Moderator, Bringing Brain and Behavior together, Adolescent Health workshop, Delhi, 27th September 2019

Panelist, Dating in teens, PCNI, New Delhi, 28th September 2019

Talk, Adolescent Sexuality, FOGSI, Noida, 26th November 2019

**Professional Societies’ Positions**

Member, executive board of IMA, Noida, since 2018

**Member of task forces of Government of India or State Governments**

Certified trainer, IAP national TOT for ALS MAP, since 2019

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**263. Dr Sonali Langar**

Dermatology, Apollo Hospitals, Noida

**Chapters contributed to text books**


Dr Sonali Langar, Inflammatory and infectious conditions, Dermoscopy in General Medicine, Editor-Aimilios Lallas, Enzo Errichetti, Dimitrios Loannides, 1st edition, CRC group, Taylor and Francis Group, Page 270-283, 2019

**Lectures**

Lecture, Tackling difficult encounters with patients, WODECON, 1st National Conference of Women Dermatologic Society of India, 31st March 2019

Lecture, Medium depth/Advanced Chemical Peels, ACSICON, 17th National Conference of the Association of Cutaneous Surgeons of India, Delhi, 20th April 2019

Lecture, To evaluate the safety and efficacy of oral Isotretinoin with Jessner’s- 35% Trichloroacetic acid peel (Monheit Technique) for the treatment of acanthosis nigricans, 24th World Congress of Dermatology (WCD), International League of Dermatological Societies, Milan, Italy, 12th June 2019

Lecture, Post inflammatory Hyperpigmentation, How I treat, Cosdermindia, 23rd Annual Congress of the Cosmetic Dermatology Society of India, Mumbai, 2nd August 2019

Lecture, Combination chemical peels, Aesthetics 2019,
Delhi, 9th August 2019

Lecture, Introduction and overview of peel- Basics and classification, 7th Midterm Conference of Indian Association of Dermatology, venereology and Leprology, Mid Dermacon 2019, Patna, 25th August 2019

Lecture, Facial rejuvenation to be done or not in elderly, 2nd International Geriatric and aesthetic Dermatology Conference, 7th September 2019

Lecture, Anatomy of periorbital region and its applications, 4th Congress of the pigmentary disorders Society of India, Pigmentarycon 2019, Kolkata, 18th November 2019

Organising Secretary, 1st National Conference of Indian Women’s Dermatologic Association, WODECON, 2019

Presentations

Poster Presentation, Evaluation of safety and efficacy of Croton oil free 8% phenol combination (CFPC) peels in darker skin patients of active acne on concomitant isotretinoin therapy, 24th World Congress of Dermatology (WCD), International League of Dermatological Societies, Milan, Italy, 12th June 2019

Professional Societies’ Position

Vice President, Pigmentary Disorders Society of India, (PDS), since 2019

Pune

264. Dr Sanjay Bafna
Pediatric Surgery, Apollo Jehangir Hospital, Pune

Publications


Secunderabad

265. Dr Amitav Ray
Neurosurgery, Apollo Hospitals, Secunderabad

Lectures

Speaker, European Society of Neurological Surgeons, Dublin, 27th September 2019

266. Dr Ashish Chauhan
Internal Medicine, Apollo Hospitals, Secunderabad

Publications

Dr Ashish Chauhan, Knowing All About Burns in Health Action, A National Monthly from HAFA, Vol. 32: Issue 7, July 2019

Seshadripuram

267. Dr J B Agadi
Neurology, Apollo Hospitals, Seshadripuram

Chapters contributed to text books


Dr J B Agadi, Recurrent AMSAN Variant of GBS- a rare entity, A clinicians Approach to Neurological Disorders, Springer Health care, 2019

Publications


valproate in idiopathic generalised epilepsy, Int. J. of Res. in Pharmacology & Pharmaco therapeutics, Vol. 8: Issue 4: Page 545-553, December 2019

Presentations
Poster presentation, Riboflavin responsive lipid myopathy due to ETFDH gene mutation masquerading as myasthenia, Annual Conference of the Indian Academy of Neurology, Hyderabad, September 2019

Awards
Fellow, The American Academy of Neurology, 2019

268. Dr Sharath Kumar
Interventional Neuroradiology, Apollo Hospitals, Seshadri puram

Lectures
Faculty, Neurovascular Imaging of Carotids, Bangalore neurosonolgy update, Bangalore, 5th January 2019

Faculty, Neuroradiological update in CVA, KNACON state level conference, Davengere, 27th January 2019

Faculty and Chairperson, 21st ISVIR annual congress, Goa, 7th – 11th March 2019

Conducted, Acute Stroke Interventional Work Shop, 2019

Faculty, Neuroimaging in acute stroke, CME on acute stroke, SSMC, Davengere, 15th August 2019

Faculty and chairperson, Neurovascular Update, Hyderabad, 3rd – 5th August 2019

Faculty, Neuroimaging in acute Pediatric stroke and "Imaging of demyelination, National Pediatric neurology conference, PJNMC, Raipur, 17th – 18th August 2019

Faculty, World Neuro Summit II, Gurgaon, 24th August 2019

Faculty, Southeast Asian neurovascular update, Shanghai, China, 27th – 30th August 2019

Faculty, MASTERS 2019, Hyderabad, 9th – 10th November 2019

Faculty, First Neuro update, AIIMS, Jodhpur, 17th November 2019

Faculty and mentor, Stryker NEUROELITE, Bangalore, 24th November 2019

Faculty, MEDANTA-Neuroradiology update, Gurugram, 1st December 2019

Faculty, Neuroinfections, IRIA- Karnataka state monthly meet, Karnataka, 27th December 2019

Professional Societies' Position
Executive committee member, Bangalore Neurological Society, since 2019

Founder member, ISVIR-Karnataka state chapter, since 2019

269. Dr Sujit Kumar
Neurology and Epileptology, Apollo Hospitals, Seshadripuram

Chapters contributed to text books

Publications

Presentations
Presentation, Use of Intraoperative Ultrasound in Depth of Sulcus dysplasias- Platform, 27th Annual
Conference of Indian Academy of Neurology, Hyderabad, 3rd – 6th October 2019

Poster Presentation, Davangere: Gelastic Epilepsy; A report of 2 cases, Academy of Neurosciences Conference, Karnataka, January 2019

Poster Presentation, Lipid Myopathy- A case report, Indian Academy of Neurology, Hyderabad, 3rd – 6th October 2019

Lectures

Faculty, Conducted the quiz for DM residents from all over the country, Indian stroke association Conference, Ahmedabad, 15th March 2019

Talk, Eye in stroke in the Neuroopthalmology symposium, Indian Academy of Neurology, Hyderabad, 3rd – 6th October 2019

Talk, Unseen Eyes in the ICU, Karnataka Academy of Neurosciences conference 2019: Davangere, 26th - 27th January 2019

Presented, A case of Motor cortex Dysplasia, Investigated with Invasive Stereotactic EEG and operated successfully, NESSAN Conference, Delhi, August 2019

Teynampet

270. Dr Agrawal Harshal Nandlal
Neurosurgery, Apollo Cancer Institute, Teynampet

Presentations

Poster Presentation, Novel Factor for rupture of intracranial Aneurysms, January 2019

Poster Presentation, Brain Arteriovenous malformations – A comprehensive review of literature, January 2019

271. Dr Ajit Pai
Surgical Oncology, Apollo Cancer Institute, Teynampet

Professional Societies’ Position

Member, Association of surgeons of India, since 2012

Member, Royal college of Surgeons of Edinburgh, since 2007

272. Dr Akshaya Rajanna
Radiation Oncology, Apollo Cancer Institute, Teynampet

Presentations

Presentation, SBRT for locally recurrent head and neck, inoperable, previously irradiated squamous cell carcinoma, March 2019

273. Dr Archana Lakshmanan
Histopathology, Apollo Cancer Institute, Teynampet

Publications


274. Dr Ayyappan Srinivasan
Surgical Oncology, Apollo Cancer Institute, Teynampet

Lectures

Faculty, Cancer Conclave, Chennai, 25th–27th January 2019

Lecture, Skin Tumours, XXI Annual Rapid Review and Revision Course in General Surgery, Chennai, 28th February- 2nd March 2019

Faculty, Continuing Medical Education Programme, Auspices of The Tamilnadu Dr. M.G.R Medical University, Chennai, 2019

Faculty, Midterm Conference of ASI TN Chapter TN MIDASICON, Dindigul, 21st April 2019

Faculty, International College of Surgeons, India Section – South Zone Conference of ICSISCON 19 SZ,
Madurai, 15th – 16th June 2019
Conducted a workshop, 10th Hands on Cadaver Lap Colorectal Workshop, Ramaiah Advanced Learning Center, Bangalore, 13th – 14th July 2019

**Professional Societies’ Position**

Member, Associations of surgeons of India

Member, Indian Association of surgical Oncologist (IASO)

Member, Indian Medial Association, (IMA)

Member, Founder Member of Chennai City Surgical Oncologist Society

Member, Association of Colo Rectal Surgeons of India, (ACRSI)

Founder Member of Tamilnadu Association of Surgical Oncologist, (TASO)

Member, Indian Society of Peritoneal Surface Malignancies, (ISPSM)

Member, Society of Peritoneal Surface Oncology of India, (SPSOI)

Inspector, National Board of Examination

**275. Dr Bhagwan Motiram Aage**
Neurosurgery, Apollo Cancer Institute, Teynampet

**Publications**


**276. Dr Kannan S**
Head and Neck and Skull Base Surgery, Apollo Cancer Institute, Teynampet

**Lectures**

Talks, Concepts and Consensus in the management of Thyroid cancers, Association of Otolaryngologists of India, Chennai, 19th May 2019

**277. Dr Kumar Gubbala**
Gynecological Surgical Oncology, Apollo Cancer Institute, Teynampet

**Publications**


**278. Dr M R Kesavan**
Pediatrics Hemato Oncology, Apollo Cancer Institute, Teynampet

**Presentations**

Poster Presentation, Excellent Outcomes with Minimal Long-Term Toxicities among Children with Leukaemia Following Total Body Irradiation-Based Conditioning Regimen, February 2019

Poster Presentation, Malignancies Post-Haematopoietic Stem Cell Transplantation in Children with Fanconi Anaemia, February 2019

**279. Dr Mahadev Potharaju**
Radiation Oncology, Apollo Cancer Institute, Teynampet

**Publications**


280. Dr Narasimhan Ragavan  
Uro Oncology, Apollo Cancer Institute, Teynampet  
Publications  

281. Dr Naveen Padmanabhan  
Surgical Oncology, Apollo Cancer Institute, Teynampet  
Publications  

Presentations  
Video Presentation, Useful technique for Stoma Construction Peritoneal carcinomatosis patients, 40th Indian Cooperative Oncology Network (ICON) National Conference, Kolkata, 28th-31st March 2019  
Poster presentation, Useful technique for Stoma Construction Peritoneal carcinomatosis patients, 3rd Peritoneal Surface Malignancy Conference, Singapore, 27th-28th June 2019  
Video Presentation, Nerve directed Robotic Total Mesorectal Excision (TME) and Demonstration of Pelvic Nerves Anatomy in Rectal Cancer Surgery, Annual Conference of Indian Association of Surgical Oncology (IASO-NATCON 2019), Kolkata, 20th -22nd September 2019  
Video Presentation, Preserving Hypogastric plexus during High ligation of Inferior mesenteric artery in Total mesorectal excision, Annual Conference of Indian Association of Surgical Oncology (IASO-NATCON 2019), Kolkata, 20th -22nd September 2019  
Video Presentation, Diversion technique in malignant bowel Obstruction, Annual Conference of Indian Association of Surgical Oncology (IASO-NATCON 2019), Kolkata, 20th -22nd September 2019  
e-Video Presentation, End-Loop technique of stoma construction in Peritoneal carcinomatosis, National Conference of Indian Association of Surgical Gastroenterology (IASGCON), New Delhi, 9th -13th October 2019  
e-Video Presentation, Demonstration of Total Anterior Parietal Peritonectomy, National Conference of Indian Association of Surgical Gastroenterology (IASGCON), New Delhi, 9th -13th October 2019  
e-Video Presentation, Robot Assisted Extra-Mesorectal Excision of Retro-Rectal Tumor, National Conference of Indian Association of Surgical Gastroenterology (IASGCON), New Delhi, 9th -13th October 2019  
e-Video Presentation, Nerve directed Robotic Total Mesorectal Excision (TME) and Demonstration of Pelvic Nerves Anatomy in Rectal Cancer Surgery, National Conference of Indian Association of Surgical Gastroenterology (IASGCON), New Delhi, 9th-13th October 2019  
Award Video Presentation, High Ligation of Inferior Mesenteric artery in Total mesorectal excision – Robotic Demonstration of technique and Tips for autonomic nerve preservation, National Conference of Indian Association of Surgical Gastroenterology (IASGCON), New Delhi, 9th -13th October 2019  

282. Dr Nikila Ravichandran  
Pediatrics Hemato Oncology, Apollo Cancer Institute, Teynampet  
Presentations  
Poster Presentation, Peripheral T-cell Lymphoma (PTCL) in Children and Adolescents – A Single Centre Experience, PHOCON, March 2019  
Publications  
Lakshman Vaidhyanathan, Venkateswaran Vellaichamy Swaminathan, Ramya Uppuluri, Shivani Patel, Meena Sivashankaran, Nikila Ravichandran,
Kesavan Melarcode Ramanan, Balasubramaniam Ramakrishnan, Revathi Raj, Safety and efficacy of fresh whole blood donor lymphocyte infusion in children, Bone Marrow Transplantation, Vol. 54: Page 1892–1897, 31 May 2019


283. Dr Ramya Uppuluri
Pediatrics Hemato Oncology and Blood and Marrow Transplantation, Apollo Cancer Institute, Teynampet

Publications


284. Dr Rayappa C
Head and Neck and Skull Base Surgery, Apollo Cancer Institute, Teynampet

Lectures

Conquering Skull Base in Head and Neck cancers, Association of Otolaryngologists of India, Chennai, 19th May 2019
285. Dr Revathi Raj
Hematology, Oncology and Blood and Marrow Transplantation, Apollo Cancer Institute, Teynampet

Publications


286. Dr Sachin Sambhaji Chemate
Neurosurgery, Apollo Cancer Institute, Teynampet

Publications


287. Dr Sanjay Chandrasekhar
Radiation Oncology, Apollo Cancer Institute, Teynampet

Orations

Impact of Technology in Radiation Oncology - a 30 year perspective, Dr Ida B Scudder Oration, Annual AROI TN PY conference, Thekkady, Kerala, 27th – 28th September 2019

288. Dr Sathyasree
Radiology and image science, Apollo Cancer Institute, Teynampet

Presentations

Poster Presentation, Contrast mammography as a problem solving tool -our initial experience, BISICON, 7th Annual Conference of Breast Imaging society of India, Hyderabad, 15th -17th November 2019

Oral Presentation, Innovating Targetting -innovation opportunities do not come with the tempest but with the rustling of the breeze, BISICON, 7th Annual Conference of Breast Imaging society of India, Hyderabad, 15th -17th November 2019

289. Dr Srinivasan Ananth
General Medicine, Apollo Cancer Institute, Teynampet

Examinership

Examiner, FRCS Ophthalmology part 3 exam, 18th June 2019

290. Dr Sriprakash Duraiswamy
Head and Neck and Skull Base Surgery, Apollo Cancer Institute, Teynampet

Lectures

Guidelines in the Management of Advanced laryngeal
and hypopharyngeal cancers, Association of Otolaryngologists of India, Chennai, 19th May 2019

291. Dr V Raghavan
Ophthalmology, Apollo Cancer Institute, Teynampet

Publications


292. Dr Venkateswaran V S
Pediatric Hemato-Oncology and Blood and Marrow Transplantation, Apollo Cancer Institute, Teynampet

Publications


293. Dr Vigneshwara B
Spine Surgery, Apollo Cancer Institute, Teynampet

Presentations

Paper Presentation, Side bending radiograph VS traction radiographs, Japanese scoliosis society, 53rd Annual Meet, Japan, takasaki, 8th–9th November 2019

Paper Presentation, Unilateral TLIF our experience of 4 years with the procedure, Japanese scoliosis society, 53rd Annual Meet, Japan, takasaki, 8th–9th November 2019

Awards

English Paper Award, Japanese scoliosis society, 53rd Annual Meet, Japan, takasaki, 8th–9th November 2019

Trichy

294. Dr Karthik Senthivel
Diagnostic Radiology, Apollo Hospitals, Trichy

Lectures

Talk, Principles of Doppler ultrasound in obstetrics, Master class in antenatal ultrasound, Trichy fetal medicine centre, Trichy, 6th October 2019

Panelist, Interesting case discussion in national fetal radiology program, (SAMRAKSHAM), Trichy IRIA subchapter, Trichy, 16th November 2019

Professional Societies’ Position

Member, Indian Radiological and Imaging association
Member, Society of Fetal Medicine
Member, Indian Medical Association, Trichy

Vanagaram

295. Dr R Dhananjayan
Biochemistry, Apollo Speciality Hospitals, Vanagaram

Publications

Dhananjayan R, Association of Xenobiotic Genetic Variants with oxidative stress in Type 2 Diabetes Mellitus, European Journal of Biomedical and Pharmaceutical Sciences, Vol. 6: Issue 4, Page 412-415, 2019

Dhananjayan R, Type 2 Diabetes Mellitus and its associated Risk Factors, European Journal of


Lectures

Faculty, Conference on What’s New in Oncology, The Residency Towers, The Association of Freedom from Cancer, Chennai, 21st December 2019

Speaker, Velammal Healthcare Innovation Awards, Madurai, 16th November 2019

Talk, Benefits and Pitfalls of POCT and How to Evaluate it?, Velammal Healthcare Innovation Awards, Madurai, 16th November 2019

International Speaker, Asia Pacific Conference, Bangkok, Thailand, 4th – 5th November 2019

Talk, Immunoassay and Thyroid Diagnosis, Asia Pacific Conference, Bangkok, Thailand, 4th – 5th November 2019

Speaker, AIDER Annual Meet on Vitamin D and Diabetes Mellitus, Chennai, 3rd November 2019

Speaker, Saveetha Dental College, Saveetha University, Chennai, 19th October 2019

Guest lecture, Diabetes Mellitus – The Current Scenario, Saveetha Dental College, Saveetha University, Chennai, 19th October 2019

Speaker, Immunoassay Testing, Continuing Laboratory Professional Education Programme, Hotel Taj Coromandel, Chennai, 7th September 2019

Speaker, Seminar at Medicall Expo, Trade Centre, Chennai, 26th July 2019

Talk, Lean and Six Sigma in Laboratory Medicine, Seminar at Medicall Expo, Trade Centre, Chennai, 26th July 2019

Speaker, Seminar on Decoding Point of Care Testing (POCT), Chennai, 26 April 2019

Talk, Introduction to POCT and Emerging Technology, Chennai, 26th April 2019

296. Dr Thayumanavan L
Gastroenterology, Apollo Speciality Hospitals, Vanagaram

Publications

Thayumanvan L, Tarakeshwari M and Muthukumaran, PPI – Their use and Abuse, TAPI Journal, Vol. 11: Issue 1, January – April 2019

Vizag

297. Dr BVRN Varma
Orthopaedics, Apollo Hospitals, Vizag

Professional Societies' Position

Secretary, North Andhra Orthopaedic Association, since 2019

298. Dr Dibya Kumar Baruah
Cardiology, Apollo Hospitals, Vizag

Publications


Lectures

Panelist, Intracoronary imaging during PCI for ACS: cases where OCT did help a lot, EUROPCR Conference Paris, France, 22nd May 2019

Presentations

Presented, Thrombus horribilis, EUROPCR Conference Paris, France, 22nd May 2019
299. Dr Muralidhar Nambada
Surgical Gastroenterology, Apollo Hospitals, Vizag

**Editorial Boards Membership**

Reviewer, Journal of Pancreas, since 2018

300. Dr Ravi Kumar Varma
Radiology, Apollo Hospitals, Vizag

**Professional Societies' Position**

President, Indian Radiological and Imaging Association (IRIA), AP Chapter, since 2019