

••••• **3rd Apollo Annual
Proton Practicum**
••••• **07th – 09th July 2023**

Theme: Optimising Head Neck & Skull base
tumor outcomes with Proton Beam Therapy



July 7th– July 9th Hybrid Meeting
Venue : Apollo Proton Cancer Centre, Chennai

3rd Apollo Annual Proton Practicum

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PROTON
Cancer Centres



Dr Prathap C Reddy Oration 2023

Prof. Steven J. Frank
MD Anderson Cancer Centre, USA

Prof. Frank is one of the world's leading expert on Proton Therapy for head and neck cancers. He is the principal investigator of US NCI phase 3 randomised trial comparing IMPT vs IMRT for oropharyngeal cancers. He holds the Bessie McGoldrick Professorship in Clinical Research at The University of Texas MD Anderson Cancer Centre. He is also the Executive Director of the Particle Therapy Institute and Deputy Head of Strategy for the Division of Radiation Oncology. Prof. Frank was instrumental in facilitating the restructuring of MD Anderson's proton therapy center through an asset acquisition and a subsequent expansion of a second proton therapy center to advance Intensity Modulated Proton Therapy (IMPT). Prof. Frank has approximately 300 peer-reviewed publications and has recently published the first textbook on Proton Therapy, based on his experience at MD Anderson.

Several key International & National expert speakers to participate.

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(Limited slots available for physical participation)

International Faculty



Nancy Y. Lee
 Memorial Sloan Kettering Cancer Center
 New York, United States of America



Ramesh Rengan
 University of Washington
 United States of America



Adam L. Holtzman
 UF Health Proton Therapy Institute Florida
 United States of America



Daniel Alejandro Mazal
 Quirónsalud Proton Therapy Centre
 Madrid Spain



Pietro Pisciotta
 University Medical Center Groningen
 Netherlands



Joseph Tung-Chieh Chang
 Chang Gung Memorial Hospital (CGMH)
 Linkou Taiwan



Aman Anand
 Mayo Clinic, Phoenix, Arizona
 United States of America



Erik Traneus
 RaySearch Laboratories AB
 Stockholm, Sweden



Swati Girdhani
 Ion Beam Applications S.A.
 San Francisco
 United States of America

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Day 1: 7th July 2023

05:00 PM-07:00 PM

Apollo Proton Cancer Centre- Facility tour

Day 2: 8th July 2023

Session1: Proton Beam Therapy Refresher

Time	Topic	Speaker
08:00-09:00 AM	Registration	
08:45-09:00 AM	Introductory Remarks	
09:00-09:20 AM	Proton beams' journey: Bringing accessibility and awareness	Rakesh Jalali
09:20-09:40 AM	Proton therapy planning Pearls: Learning the jargons & technique	Aman Anand
09:40-10:00AM	Unique Clinical Radiobiology of Proton beam Therapy and controversies	Pietro Pisciotta
10:00-10:20 AM	Quality assurance in PBS PBT	Ganapathy Krishnan
10:20-10:40 AM	Tea Break	

Session 2: Optimizing head-neck and skull base tumor outcomes with Proton Beam Therapy

Time	Topic	Speaker
10:40-11:00 AM	IMPT planning in Head-Neck cancer	Dayananda Sharma
11:00-11:20 AM	IMPT plan evaluation in HNC	Nagarjuna Burela
11:20-11:40 AM	Oropharyngeal Cancers	Steven J Frank
11:40-12:00 PM	Practical Demonstration	APCC Team*
12:00-12:20 PM	Oral Cavity Cancers	Sapna Nangia
12:20-12:40 PM	Practical Demonstration	APCC Team*
12:40-01:00 PM	PNS & Nasopharyngeal Tumors	Joseph Chang
01:00-01:20 PM	Practical Demonstration	APCC Team*
01:20-02:10 PM	Lunch	

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Session 3: Demo Workshop

Time	Topic	Speaker
02:10-02:50 PM	Team Bragg: Immobilization	APCC Team*
02:50-03:30 PM	Team Rutherford: Treatment Demonstration	APCC Team*
03:30-04:10 PM	Team Wilson: Demonstration of QA (PSQA/Machine QA)	APCC Team*
04:10-04:25 PM	Tea Break	
04:25-04:45 PM	Adaptive proton therapy in head neck cancers	Pietro Pisciotta
04:45-05:05 PM	Proton therapy for Re-irradiation in head neck cancers: When and Why?	Nancy Lee
05:05-05:25 PM	Practical Demonstration	APCC Team*
	Proceed for Dr. Prathap C Reddy Oration	

Day: 8th July

7:00-11:00 PM (Venue: Taj Wellington Mews)

Dr Prathap C Reddy Oration

Time	Topic	Speaker
07:00-07:30 PM	Proton Therapy Utilization: Global Perspectives-Panel Discussion	Moderator: Rakesh Jalali/Srinivas Chilukuri
07:30-07:45 PM	Introductory remarks	Preetha Reddy Dinesh Madhavan
07:45-08:30 PM	Dr. Prathap C Reddy Oration Chairpersons: SH Advani,	Steven J Frank
08:30-09:00 PM	Cultural Programme	TBC
08:40 PM onwards	Dinner	

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9th July 2023

Session 4: Optimizing skull base tumor outcomes with Proton Beam Therapy

Time	Topic	Speaker
08:45-09:00 AM	Introductory Remarks	
09:00-09:20 AM	Skull Base Tumors	Adam Holtzman
09:20-09:40 AM	Practical Demonstration	APCC Team*
09:40-10:00 AM	Intracranial Skull Base Tumors	Rakesh Jalali
10:00-10:20 AM	Practical Demonstration	APCC Team*
10:20-10:40 AM	Spinal Tumors	Srinivas Chilukuri
10:40-11:00 AM	Tea Break	

Session 5: Overcoming Proton Therapy challenges & newer advances

Time	Topic	Speaker
11:00-11:25 AM	Keynote: Evidence generation in Proton Therapy: Trials and Tribulations	Ramesh Rengan
11:25-11:45 AM	Aperture based PBS Proton Therapy	Alejandro Mazal
11:45-12:05 PM	LET evaluation and optimization: True impact and consequences	Erik Traneus
12:05-12:20 PM	Discussion	
12:20-12:30 PM 12:30-12:40 PM	SOP for Metal Implants at APCC Rad Oncology & Physics Perspective	Sham Sundar Manikandan Arjunan
12:40-01:00 PM	Proton Arc Therapy: rationale and status	Alejandro Mazal
01:00-01:20 PM	Updates on Proton Flash: Industry Perspective	Swati Girdhani
01:20-01:30 PM	Conclusion & Valedictory Function	
01:30-02:15 PM	Lunch	

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WHAT WILL YOU LEARN?

- Practical nuances of proton beam therapy treatment and workflow for head neck and skull base tumors.
- Clinical examples and evidence behind proton therapy for head neck and skull base tumors.

WHAT WILL WE COVER?

- Refresher in physics and radiobiology of proton beam therapy.
- Head neck proton therapy clinical evidence and experience from some of the world's finest centres.
- Evidence generation in proton beam therapy.
- Newer advances in proton beam therapy technology such as Flash therapy, aperture-based planning, LET/RBE evaluation & optimization.

PRACTICAL DEMONSTRATION

- Sub-site wise practical demonstration of intricacies of proton beam therapy planning and implementation during treatment of head neck and skull base tumors.
- This will include practical tips for simulation, margin recipes, class solutions, planning, plan evaluation, implementation including protocols for image guidance, adaptive therapy, quality assurance, etc

[CLICK HERE TO SEE PREVIOUS PRATICUM DETAILS](#)

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(Limited slots available for physical participation)



CHIEF PATRON
DR. PRATHAP C. REDDY



PATRON
DR. PREETHA REDDY



PATRON
MR. DINESH MADHAVAN



PATRON
MR. HARSHAD REDDY



COURSE DIRECTOR
DR. RAKESH JALALI



CHAIR SCIENTIFIC COMMITTEE
DR. SAPNA NANGIA



CHAIR SCIENTIFIC COMMITTEE
DR. DAYANANDA SHARMA



ORGANIZING SECRETARY
DR. SRINIVAS CHILUKURI



MEETING COORDINATOR
DR. ASHU ABHISHEK



MEETING COORDINATOR
DR. UDAY KRISHNA



CHIEF OPERATING OFFICER
MR. KARAN PURI

APCC Team:

Radiation Oncologists- Anupama Reddy, Patrick Joshua, Anindita Das, Preethi Subramaniam, Ramakrishna Kamath, Sham undar and Nagarjuna Burela

Medical Physicists: Mahammood Suhail, Sanjeeb Gayen, Aishwarya G, Manikandan Arjunan and Ganapathy krishnan

Therapists: Manoj Wakde, Minnal Mookaiah, Ashok Reddy, Dhilip Kumar, Balaji, Karthikeyan, Jamshed.

Faculty co-ordination: Pankaj Kumar Panda

Organizing committee Head: Karan Puri

Marketing: Narasimhan

Marcom: Preetam, Ashwin, Jayasankar & Aarya

Event Manager: Marundeshwara team

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