

4th Apollo Annual Proton Practicum

10th - 12th May 2024

Improving Survival and Survivorship in Paediatric
and CNS Tumours with Proton Beam Therapy

Multidisciplinary Neuro-Oncology Symposium, 10th May 2024



Apollo Proton Cancer Centre APCC, Chennai, INDIA



Neuro-Oncology Symposium - 6pm onwards at Hotel Holiday Inn, Tharamani, Chennai

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Dr. Prathap C Reddy Annual Proton Oration 2024



Dr. Minesh Mehta, M.D.

Deputy Director and Chief of Radiation Oncology,
Miami Cancer Institute at Baptist Health South Florida.

Dr. Minesh Mehta, M.D., is a world-renowned expert in radiation oncology, proton therapy and cancer research. He is the Deputy Director and Chief of Radiation Oncology of Miami Cancer Institute at Baptist Health South Florida. Dr. Mehta was previously the Chairman, Department of Human oncology at the University of Wisconsin School of Medicine and Public Health, where he led numerous research studies, technological innovations and implementation of technologies such as Helical Tomotherapy. Dr. Mehta was also the chair of the RTOG / NRG oncology's brain tumour committee for over 15 years.

Dr. Mehta launched the mid-Atlantic's first dedicated pencil-beam proton treatment center at University of Maryland's Proton Treatment Center and served as its Medical Director. Dr. Mehta has designed and led several national and international clinical studies, receiving NIH and NCI grants and has been awarded several prestigious honors. He Has published more than 700 peer review articles in the world's leading journals and is one of the most sought after speakers in radiation oncology meetings across the world.

Key International & National expert faculty to participate

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International Faculty



Dr. Minesh Mehta
Deputy Director &
Chief of Radiation Oncology
Miami Cancer Institute
Miami, USA



Dr. Anita Mahajan
Director of Proton Therapy
Professor of Radiation Oncology,
Paediatrics & Adolescent Medicine
Mayo Clinic, Rochester
Rochester, USA



Dr. Bree R Eaton
Associate Professor
& Pediatric Medical Director
Emory Proton Therapy Center
Atlanta, USA



Dr. Matthew Hall
Associate Professor of Radiation Oncology
Director of Paediatric Proton Therapy
Miami Cancer Institute
Miami, USA



Dr. Raymond B. Mailhot
Clinical Associate Professor
University of Florida -
Proton Therapy Centre
Florida, USA



Dr. Narayan Sahoo
Ph.D., FAAPM, FACR
Prof. Narayan Sahoo, Department of
Radiation Physics,
MD Anderson Cancer Center
Houston, USA



Dr. Xiaodong Zhang MS, PhD,
Professor, Department of
Radiation Physics
MD Anderson Cancer Centre
Houston, USA



Dr Aman Anand, PhD,
Assistant Professor & Proton Therapy
Consultant, Department of Radiation
Oncology, Mayo Clinic, Phoenix,
Arizona, USA



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Day 1: 10th May 2024 (Friday)

11:00 -12:30 PM

Registration & Facility Tour

Session 1: Proton Beam Therapy Pearls: Rationale & Fundamental Principles

Time	Topic	Speaker
12:30 - 01:25 PM	Lunch	
Chairpersons: B. K. Sapra, K.J. Maria Das, Chitra Saraswathi, Pranav Chadha		
01:25 - 01:30 PM	Welcome & Introduction to the Practicum	
01:30 - 01:50 PM	Proton Beam Therapy : Beam generation to delivery techniques ?	Narayan Sahoo
01:50 - 02:10 PM	Proton Beam Therapy treatment planning: Jargons & principles	Dayananda Sharma
02:15 - 02:35 PM	Unique and unusual biological effects of Proton beam therapy	Xiaodong Zhang
02:35 - 02:55 PM	Patient-specific quality assurance: Standards and innovations	Arjunan Manikandan
3:00 - 03:15 PM	Tea Break	

Session 2: Pearls for Paediatric and CNS Tumour Planning

Time	Topic	Speaker
Chairpersons: Manoj Semwal, Arun Oinam, Saji Oommen, Kausik Bhattacharya		
03:15 - 03:35 PM	Plan evaluation in Proton beam therapy	Sham Sundar
03:35 - 03:55 PM	Planning philosophy for treatment planning of supratentorial and infratentorial brain tumours	Ganapathy Krishnan
03:55 - 04:15 PM	Craniospinal irradiation: technique and planning outcomes	Dayananda Sharma
04:15 - 04:30 PM	Discussion / Q & A	
Chairpersons: Beela Sarah Matthew, Narendra Kumar, Patricia B		
Survivorship in Paediatric Cancers		
04:30 - 04:45 PM	Overcoming Survivorship issues in paediatric & AYA cancers	Nehal Khanna
04:45 - 05:05 PM	Setting up of Survivorship Clinic in India	Rimpa Basu
05:05 - 05:30 PM	Keynote: Clinical Rationale and basis for PBT in paediatric and CNS tumours	Anita Mahajan
Neuro-Oncology Symposium: Practice Changing Updates in Neuro-Oncology from 6 p.m. onwards at Hotel Holiday Inn, Tharamani, Chennai		

Day 2: 11th May 2024 (Saturday)

Session 3 : Paediatric Gliomas

Time	Topic	Speaker
Chairpersons : Mahadev P, Vijay Bhaskar		
09:00 - 09:20 AM	Simplifying new pathological classification of Paediatric gliomas	Sushama Patil
09:20 - 09:40 AM	Interpreting MRI in paediatric brain tumours in PBT era	Adithyan Rajendran
09:40 - 10:00 AM	PBT in paediatric low-grade gliomas: lot to gain, little to lose	Srinivas Chilukuri
10:00 - 10:20 AM	Practical demonstration	APCC Team
10:20 - 10:40 AM	PBT in Ependymomas: clinical experience and evidence	Archya Dasgupta
10:40 - 11:00 AM	Practical Demonstration	APCC Team
11:00 - 11:10 AM	Discussion / Q & A	
11:10 - 11:30 AM	Tea Break	

Session-4: Other Paediatric Malignant Brain Tumours

Time	Topic	Speaker
Chairpersons: Anusheel Munshi, Kinjal Jani, Yugandhar Sharma		
11:30 - 11:50 AM	PBT in Medulloblastoma: Evidence & Outcomes	Uday Krishna
11:50 - 12:10 PM	PBT in other embryonal tumours & Germ cell tumours	Tejpal Gupta
12:10 - 12:30 PM	PBT in paediatric skull base tumours	Rakesh Jalali
12:30 - 01:00 PM	Practical Demonstration	APCC Team
01:00 - 02:00 PM	Lunch	

Time	Topic	Speaker
02:00 - 3:30 PM	Demonstrations- Simulation / Mould Room, Treatment room, Patient treatment & Quality assurance	APCC Team
03:30 - 3:45 PM	Tea Break	

Session-5 : Paediatric Sarcomas

Time	Topic	Speaker
Chairpersons: Narendra Bhalla, Nilesh Mahale, Bhushan Nemade		
03:45 - 4:05 PM	PBT in Paediatric Bone Sarcomas	Siddhartha Laskar
04:05 - 4:25 PM	Practical Demonstration- Sarcoma of pelvis and Chestwall	APCC Team
04:25 - 4:45 PM	PBT in RMS & Soft-tissue Sarcomas	Bree Eaton
04:45 - 5:05 PM	Practical Demonstration- Sarcomas of Head neck and orbit	APCC Team

Session-6 : Paediatric Lymphomas and Other Extracranial Tumours

Time	Topic	Speaker
Chairpersons: Chaaru Garg, Rathna Devi, Tanweer Shahid		
05:05 - 5:25 PM	PBT in paediatric Lymphomas	Raymond Mailhot
05:25 - 5:45 PM	Practical Demonstration- Mediastinum & neck	APCC Team
05:45 - 6:05 PM	PBT for Wilm's tumour and Neuroblastoma- Should it be considered?	Mathew Hall

Dr. Prathap C Reddy Annual Proton Oration

Chairpersons: Preetha Reddy, Tejinder Kataria, Ari Chacko		
07:00 - 07:20 PM	Panel Discussion : Improving access to Proton Beam Therapy : Strategies & Way forward	Moderator : Rakesh Jalali Panelists : Dinesh Madhavan Tejinder Kataria Siddhartha Laskar Dayanand Sharma Pankaj Panda
07:30 - 08:15 PM	Oration : Improving Survival and Survivorship in Paediatric and CNS Tumours with Proton Beam Therapy	Minesh Mehta
08:15 PM Onwards	APCC - IBA Gala Dinner	

Day 3: 12th May 2024 (Sunday)

Session-7: Adult CNS Tumours - I

Time	Topic	Speaker
Chairpersons: Sanjay Chandrashekhar, Rajesh Pasricha, Naveen T		
09:00 - 9:20 AM	PBT for Adult skull base tumours	Sapna Nangia
09:20 - 9:40 AM	Practical Demonstration	APCC Team
09:40 - 10:00 AM	PBT for challenging meningiomas & Vestibular Schwannomas	Rakesh Jalali
10:00 - 10:20 AM	Practical Demonstration	APCC Team
10:20 - 10:40 AM	Current evidence & emerging role of PBT in adult Gliomas	Minesh P Mehta
10:40 - 11:00 AM	Practical demonstration	APCC Team
11:00 - 11:15 AM	Tea Break	

Special Session: Proton Planning Advances

Time	Topic	Speaker
Chairpersons: Suresh Rana, Sandeep De, Vinay Ural		
11:15 - 11:35 AM	Sneak peek into next gen Proton beam therapy planning advances	Aman Anand
11:35 - 11:55 AM	Latest Developments on DynamicARC at IBA	Francois Sergent
11:45 - 12:00 PM	Discussion / Q & A	

Session-8: Adult CNS Tumours - II

Time	Topic	Speaker
Chairpersons : Sumit Basu, PS Sridhar, Manish Siddha		
12:00 - 12:20 PM	PBT for parenchymal & leptomeningeal metastases	Anindita Das
12:20 - 12:40 PM	Proton radiosurgery for AV Malformations	Shankar Vangipuram
12:40 - 1:00 PM	Practical Demonstration	APCC Team
01:00 - 1:10 PM	Valedictory Function & Conclusion of the meeting	



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



CHIEF OPERATING OFFICER
MR. KARAN PURI



MEETING COORDINATOR
DR. SHAM SUNDAR



MEETING COORDINATOR
DR. UDAY KRISHNA

APCC Team:

Radiation Oncology: Ashu Abhishek, Anindita Das, Preethi Subramaniam, Nagarjuna Burela, Anupama Reddy, Patrick Joshua, Ramakrishna Kamath

Medical Physics: Ganapathy Krishnan, Manikandan Arjunan, Sanjeeb Gayen, Mahammood Suhail, Aishwarya G, Gaganpreet Singh, Rangasamy S

Radiation Therapists: Manoj Wakde, Minnal Mookaiah, Dhilipkumar Rajan, Ashok Reddy, V. Balaji Reddy, Vijay Thiyagarajan, Karthekeyan S

Faculty & Delegate Co-ordination: Shanthi Radhakrishnan, Prashant Pati, Malavika Mohan

International Marketing: Dr. Karthik Anantharaman, Bhavani Shankar, Subhabrata Basu, Shivjit Shetty, Shayeebuddin Ahmed, Sheena Nambiar

National Marketing: Narasimhan, Ravi Gupta, Ajeet kumar, Vishal, Anand Babu

Marcom: Preetam, Jayasankar, Ashwin, Aishwarya

Event Manager: Marundeshwara Team

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(Limited slots available for physical participation)



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