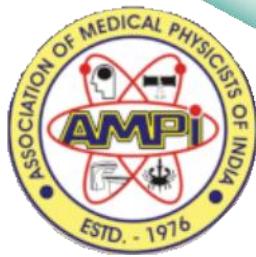


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Offline & Online Adaptive Radiotherapy: Physics, Workflow, and Implementation Challenges **AMPI'S FIRST SUMMER SCHOOL**

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March
13th – 15th
2026

TIME: 09:00 am - 05:00 pm

VENUE:

Convention Centre Room No.1, 1st Floor, Kapol Niwas,
Sir H. N. Reliance Foundation Hospital,
Prarthana Samaj, Girgaon, Mumbai - 400004



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PATRON



Dr. Tarang Gianchandani

Group CEO - Healthcare Initiatives

Chief Executive Officer - Sir H. N. Reliance Foundation Hospital

ORGANIZING CHAIRMAN



Dr. Prasad Raj Dandekar
Head - Radiation Oncology, RFH

CHAIRMAN - SCIENTIFIC COMMITTEE



Dr. Sudesh Deshpande
Medical Physicist & RSO, Hinduja Hospital

ORGANIZING SECRETARY



Mr. Anand Jadhav
Medical Physicist & RSO, RFH

ORGANIZING TEAM



Mr. Sachin Rasal
Medical Physicist & RSO, RFH



Mr. Omkar Awate
Medical Physicist & RSO, RFH

KEY TOPICS:

- The Evolution of Adaptation: From IGRT to Online ART
- The Engine of Adaptation: Deformable Image Registration (DIR) & AI
- Offline Adaptive Strategies: "Plan of the Day" & Libraries
- Online Adaptive Workflow: The "Scan-Plan-Treat" Loop
- The QA Challenge: Safety in a Dynamic Environment
- Commissioning & Clinical Implementation
- Advanced Challenges & Future Directions

RSVP -

Sachin Rasal: 98699 22761 | Omkar Awate: 82085 46500



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SCENTIFIC SCHEDULE

Day 1: Friday, March 13th 2026

Time	Session Topic	FACULTY
9.00 - 9.15	Welcome & Intro	Mr. Anand Jadahv
9.20 - 10.00	Adaptive Therapy: Milestone, Success, Roadblocks and Manpower	Dr. Indra Das, Northwestern, Medicine, Chicago IL, USA
10.00- 10.40	Physics of Deformable Image Registration (DIR)	Dr. Adam Yeo, Peter MacCallum Cancer Centre, Australia
11.00 - 11.20	<i>Morning Tea Break</i>	
11.20-12.00	AI in Radiation Oncology	Dr. Verbakel Wilko VMU, Netherlands
12.10-12.40	ICRU 97 - recommendation -Dose Accumulation & Mapping	Dr. S D Sharma, RP & AD, BARC, Mumbai
12.45-13.00	<i>Inaugural Function</i>	
13.00 - 14.00	<i>Lunch Break</i>	
14.00 - 14.40	Moving towards Online RT - Plan of the day concept for Pelvic malignancies	Dr. Reena Ph TMH, Mumbai
15.00 - 15.40	The Role of Synthetic Data in Clinical Planning and Image Guidance	Dr. R. Prabhakar Princess Alexandra Hospital, Australia
16.00 - 16.20	<i>Afternoon Tea Break</i>	
16.20 - 17.00	Online ART Platform - CBCT Guidance	Mr. Sachin Rasal, Sir HN RFH, Mumbai



SCENTIFIC SCHEDULE

Day 2: Saturday, March 14th 2026

Time	Session Topic	FACULTY
9.00 - 9.40	Online ART Platform - MR Guidance	Mr. Heigrujam Malhotra Singh, FORTIS Delhi
10.00 - 10.40	The new generation CBCT - Image quality, HU consistence and Commissioning QA	Dr. Anchineyan Pichandy, HCG Bengaluru
11.00 - 11.20	<i>Morning Tea Break</i>	
11.20 - 12.00	QA - Real-time Dosimetric Verification	Dr. Sudesh Deshpande, PD Hinduja Hospital, Mumbai
12.10-13.00	Commissioning, clinical validation and E2E for CBCT and MR ART	Dr. Sai Shanmuga Subramanian, Yashoda Hospital, Hyderabad
13.00 - 14.00	<i>Lunch Break</i>	
14.00 - 14.40	Case Study - Online ART for HN, pelvis and Abdominal Targets- CBCT VS MR	Dr. Subramanian /Dr. A Pichandy/ Mr. Anand Jadhav/Mr. Omkar Awate
15.00 - 16.00		
16.00 - 16.20	<i>Afternoon Tea Break</i>	
16.20 - 17.00	Adaptive radiotherapy in Proton RT	Dr. Dayanand Sharma, Appollo Proton Center, Chennai

Day 3: Sunday, March 15th 2026

Time	Session Topic	FACULTY
9.00 - 9.40	AI-based contouring, uncertainty evaluation, and QA	Dr. Suresh Chaudhari, American Oncology, Hyderabad
10.00- 10.40	PET-Guided ART	Dr. Rajesh Kumar RP&AD, BARC, Mumbai
11.00 - 11.20	<i>Morning Tea Break</i>	
11.20 - 12.00	Panel Discussion: Sustainability of Online art: TECHNOLOGY BURDEN, MANPOWER AND ITS IMPACT ON PATIENT	Moderator Dr Holla: Dr. Sai Subrmanian, Dr. Mahesh Upasani, Mr. Suresh Chaudhari, Mr. Anand Jadhav
12.10-13.00	Building an Online Adaptive RT Program: Lessons from the clinical Learning Curve	Moderator Dr C P Bhatt: Dr. Amol, Dr. Sheereen, Mr. Sachin, Mr. Sanket
13.00 - 14.00	<i>Concluding remarks and Lunch Break</i>	

