

ORGANIZES

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

Registration Fees: `2,000/- | Please Click Here to Register & Pay

Who Can Attend – Working Medical Physicist with More than 5 Years Experience

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



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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Prarthana Samaj, Girgaon, Mumbai - 004

EMERGENCY NO.:
022-35475005

TOLL FREE NO.:
1800 890 1111

SCIENTIFIC 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 |



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SCIENTIFIC 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 | Morning Tea Break | |
| 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 | Lunch Break | |
| 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 | Afternoon Tea Break | |
| 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> | |



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