



ADVANCED TEACHING COURSE IN MEDICAL PHYSICS

8th and 9th November 2025, RubyHall Clinic, Pune



The College of Medical Physics of India (CMPI), established in 2009, is dedicated to upholding high standards in the practice of Medical Physics. CMPI in association with Ruby Hall Clinic, Pune is organizing a teaching courses in Radiation Oncology Physics to benefit young medical physicists across the northern, southern, eastern, and western regions of the country.

For the first time, this two-day teaching course will be held in Western India at RubyHall Clinic, Pune, on 8th and 9th of November 2025.

The course is designed to cover key topics relevant to medical physicists who wish to enhance their knowledge base.

Registration Process:

Registration Fee: 1000/-

For the registration click on the link below

code: <https://forms.gle/5cVFZXfkYXgXxqS89>

Scan below QR code:



PAYMENT USING GPAY

LINK: 31216951804@SBIN0001618.IFSC.NPCI.

ALTERNATIVELY, YOU CAN DO A BANK TRANSFER

ACCOUNT NAME: COLLEGE OF MEDICAL PHYSICS OF INDIA

ACCOUNT NUMBER: 31216951804

IFSC: SBIN0001618

KEY TOPICS COVERED IN THE TEACHING COURSE

- NEW TECHNOLOGY IN RADIATION ONCOLOGY
- PROTON BEAM PRINCIPLES
- DEVELOPMENT IN GAMMA KNIFE
- PHOTON BEAM DOSIMETRY IN REFERENCE AND NON REFERENCE CONDITIONS
- BRACHYTHERAPY DOSIMETRY
- PSQA TIPS AND TRICKS
- AI IN MEDICAL DOSIMETRY AND TREATMENT PLANNING
- ADAPTIVE RT
- SURFACE GUIDANCE

DATE: 8TH AND 9TH NOVEMBER 2025

VENUE: R. S. WADIA AUDITORIUM, 5TH FLOOR
CANCER BUILDING,
RUBYHALL CLINIC,
40, SASSOON ROAD, PUNE - 411001

CONTACT DETAILS:

Organising Chairman: Dr. Sathiya Narayanan V.K

Organising Secretary: Dr. Raghavendra Holla

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Day 1	08-11-2025	Faculty
8.30 - 9.00 AM	Registration	
9.00 - 9.30 AM	Inaugration	
9.40-10.00 AM	Pre-Test	
10.00 - 10.40 AM	New Technologies in Radiation Oncology	Dr.Sathiya Narayanan V K
10.50 - 11.10 AM	Tea Break	
11.10 - 11.50 AM	Proton beam principles and types of equipment	Dr. Lalit Choudhari
12.00 - 12.40 PM	Developments in Gamma Knife, Priniciples, Dosimetry and QA	Dr. Sudesh Deshpande
12.50 - 1.50 PM	Lunch Break	
01.50 -2.30 PM	AI in Medical dosimetry and treatment planning	Mr. Amit Nirhali
2.40 - 3.20 PM	Small Field Dosimetry - CyberKnife and LINACs	Dr. Ragavendra Holla
3.30 - 4.10 PM	Manual MU calculations: Mastering the basics	Dr. T. Ganesh
4.20 - 4.30 PM	Tea Break	
4.30- 5.10 PM	Reference dosimetry for photon beams - Updated TRS-dosimetry	Dr. Niyas Puzhakkal
5.20-5.30 PM	Post-Test - Day 1 Conclusion with discussion	

Day-2	09-11-2025	
Time	Lecture Topic	Faculty
9.00 - 9.20 AM	Pre-Test	
9.20 - 10.00 AM	Dose Calculation Algorithms for Photon beams	Dr. T. Ganesh
10.10 - 10.50 AM	PSQA in IMRT/VMAT - Tips and Tricks	Dr. Sudesh Deshpande
11.00 - 11.20 AM	Tea Break	
11.20 - 12.00 PM	Dose Calculation in Brachytherapy TPS - TG-43 & TG-186	Dr. Niyas Puzhakkal
12.10 -12.50 PM	TPS commissioning and QA	Dr. T. Ganesh
1.00 - 1.45 PM	Lunch Break	
01.50 -2.30 PM	Motion Management in RT - C-Arm and Ring Gantry LINACs	Mr. Amit Nirhali
2.40 - 3.20 PM	Adaptive Radiation therapy - Principles, Applications and Limitations.	Dr. Raghavendra Holla
3.30 - 4.10 PM	QA for Surface Guidance - C RAD and Vision RT	Mr. Visram Naik and Mrs. Pooja V Moundekar
4.20 - 5.00 PM	Post-Test, Feedback and Closing Remarks	