



College of Medical Physics

# ADVANCED TEACHING COURSE IN MEDICAL PHYSICS

Hosted by Sri Shankara Cancer Hospital and Research Centre & AMPI (K) Chapter

The **College of Medical Physics of India (CMPI)**, in association with Sri Shankara Cancer Hospital & Research Centre, Bengaluru, presents a Two-Day Teaching Course in Radiation Oncology Physics for young Medical Physicists across India.

"The course focuses on core topics to enhance knowledge and clinical expertise in Radiation Oncology Physics".

**Venue:** Sri Sri Sri Abhinava Vidyathirtha Mahaswamiji Auditorium,  
Second Floor, SSCHRC,  
Bengaluru.

For the registration  
Click or Scan the QR Code

Register  
Now!

Rs. 1000/-



April 11 & 12  
2026

For Bank Transfer:

**Account No:** 31216951804

**Name:** COLLEGE OF MEDICAL PHYSICS OF INDIA

**Bank:** State Bank of India,

**IFSC Code:** SBIN0001618

For UPI Payment:

31216951804@SBIN0001618.IFSC.NPCI.

Registration is limited | First-come, First-Serve  
(Last Date: 30.03.2026)

**Organizing Chairman:**

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Sri Shankara Cancer Hospital  
& Research Centre

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Bengaluru - 560 004.







## CMPI - ADVANCED TEACHING COURSE IN MEDICAL PHYSICS - PROGRAMME SCHEDULE

# DAY 1 – 11<sup>TH</sup> APRIL 2026 (8.30 AM – 5.15 PM)

TIME	SESSION	FACULTY
8.30 - 9.00	Registration	
9.00 - 9.30	Inauguration & Faculty Introduction	
9.30 - 10.20	Manual MU calculations: <i>Mastering the basics</i>	Dr. T. Ganesh, Virudhunagar
10.20 - 10.40	Coffee Break	
10.40 - 11.30	Dose Calculation Algorithms: From Correction - Based to Model - Based	Dr. T. Ganesh, Virudhunagar
11.30 - 12.20	Dose Calculation in Brachytherapy TPS TG - 43 & TG - 186	Dr. Niyas Puzhakkal, Kozhikode
12.20 - 1.10	Reference dosimetry for photon and Electron Beams - Updated TRS-dosimetry	Dr. M. Ravikumar, Bengaluru
1.10 - 2.00	Lunch Break	
02.00 - 2.50	Small-Field & Non-Standard Dosimetry	Dr. N. Ponnusamy, Bengaluru
2.50 - 3.40	Physics of Electron Beam Therapy	Dr. M. Sivakumar, Bengaluru
3.40 - 4.00	Coffee Break	
4.00 - 4.50	Structural Shielding Design for Medical LINACs	Dr. Pramod Dixit, AERB
4.50 - 5.15	Evaluation & Conclusion (Day 1)	



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DAY 2 – 12<sup>TH</sup> APRIL 2026 (9.10 AM – 4.30 PM)

TIME	SESSION	FACULTY
9.10 - 10.00	AI-Driven Automatic Treatment Planning in Radiotherapy	Dr. A. Pichandi, Bengaluru
10.00 - 10.50	Radiomics in Patient Specific QA	Dr. B. Paul Ravindran, Dimapur
10.50 - 11.20	Coffee Break	
11.20 - 12.10	Ethical, Regulatory, and Safety Challenges of AI in Radiotherapy	Dr. K.M. Ganesh, Bengaluru
12.10 - 1.00	Risk based QA: TG 100	Dr. S. Sowmya Narayanan, Bengaluru
1.00 - 2.00	Lunch Break	
2.00 - 2.50	TBI and TMLI: <i>Treatment Planning and Dosimetry</i>	Dr. B. Paul Ravindran, Dimapur
2.50 - 3.40	Principle and Methodology of gap correction in Radiotherapy	Dr. T. Ganesh, Virudhunagar
3.40 - 4.00	Coffee Break	
4.00 - 4.30	Evaluation & Conclusion (Day 2) and Feedback	

For further details, You may contact:

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