



College of Medical Physics of India

# 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 Registration  
Click or Scan the QR Code



Rs. 1000/-



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.

Contact Details:

+91 9916535771  
+91 9980876047

shivakumar.m@sschrc.org  
perumal.m@sschrc.org

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

Organizing Chairman:

Dr. B. S. Srinath,  
MS, FRCS (Glas), FRCS (Edin).

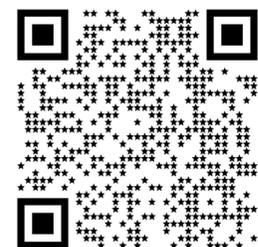
Organizing Secretary:

Dr. M. Ravikumar



Sri Shankara Cancer Hospital  
& Research Centre

1st Cross, Shankarapuram,  
Basavanagudi,  
Near National College Metro,  
Bengaluru - 560 004.

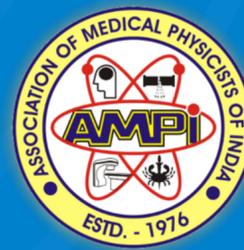




CMPI - ADVANCED TEACHING COURSE IN MEDICAL PHYSICS - PROGRAMME SCHEDULE

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

TIME	SESSION	FACULTY
8.30 - 9.00	Registration	-
9.00 - 9.10	Inaugural Address	Dr. G.V. Giri, HOD, Radiation Oncology
9.10 - 9.20	Chief Guest Address	Dr. B. S. Srinath, Head of the Institute
9.20 - 9.30	Programme Overview & Faculty Introduction	Dr. M. Ravikumar, Director, Radiation Physics
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 - Updates in TRS 398	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)	



CMPI - ADVANCED TEACHING COURSE IN MEDICAL PHYSICS - PROGRAMME SCHEDULE

## 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 information, please contact the Course Coordinators:

**Dr. M. Sivakumar,**  
Professor & RSO,  
SSCHRC, Bengaluru - 560 004.  
Mobile: 9916535771  
E-mail: shivakumar.m@sschrc.org

**Dr. M. Perumal,**  
Professor & RSO,  
SSCHRC, Bengaluru - 560 004.  
Mobile: 9980876047  
E-mail: perumal.m@sschrc.org

