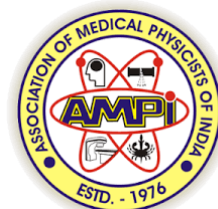


CMPI REFRESHER COURSE IN MEDICAL PHYSICS

Organised by

**Centre for Medical Physics,
Panjab University, Chandigarh**
In association with PGIMER and AMPI



**Venue: Department of Physics, Panjab University, Sector-14,
Chandigarh (U.T.)**

Dates: July 1 & 2, 2023

Total 100 candidates will be selected for the course on first come first basis. Interested Medical Physicists are requested to send their applications to medphysuieast@gmail.com

or

Google Form Link

<https://docs.google.com/forms/d/e/1FAIpQLScsHr06pQjonC2BZltoG1SUBv1bxMq4ypdfnKUtvETN0P2h8A/viewform?vc=0&c=0&w=1&flr=0&usp=mail>



Last date of Application Submission:
Intimation to Shortlisted Candidates:
Submission of Registration Fees (**Rs. 1000**):

May 25, 2023
June 03, 2023
June 10, 2023

FACULTIES OF THE COURSE

| | |
|--------------------------|-----------------------------|
| Dr. T. Ganesh | Dr. Paul Ravindran |
| Dr. S.D. Sharma | Dr. K.J. Maria Das |
| Dr. Arun S. Oinam | Dr. Manoj Semwal |
| Dr. Atul Tyagi | Dr. C.P. Bhatt |
| Dr. Sukhvir Singh | Dr. Gaganpreet Singh |

MAIN GOAL OF THE COURSE

College of Medical Physicists of India (CMPI), founded in 2009 with a vision to establish and maintain standards in the practices of Medical Physics, has been continuously endeavouring to the best of education through webinars and Learning Management System (LMS). In furtherance of this endeavour, the CMPI is taking one more step and has decided to organise a series of references courses in Radiation Oncology Physics for the benefit of young medical physicists in the northern, southern, eastern, and western zones of the country. The first of these two days refresher courses will be held at Panjab University, Chandigarh during July 1 & 2, 2023.

The refresher course is designed to address topics that are important for medical physicists who are aspiring to appear for the CMPI certification examination and Radiation Safety Officer Examination (RSO) conducted by BARC. Therefore, we strongly encourage younger Medical Physicists and interns residing in these regions to take advantage of this opportunity.

CMPI REFRESHER COURSE, CHANDIGARH

July 1 and 2, 2023

**Venue: Department of Physics, Panjab University, Sector-14,
Chandigarh (U.T.)**

LIST OF LECTURES

| Day 1: Saturday, July 1, 2023 | | |
|---|---|-----------------------------|
| Session 1: Dosimetry 9:00 AM TO 12:30 | | |
| 1.1 | Principles of radiation dosimetry | Dr Arun S. Oinam |
| 1.2 | Reference dosimetry of photon and electron beams | Dr. C.P. Bhatt |
| Tea Break: 15 Minutes | | |
| 1.3 | Cross calibration of ionization chambers | Dr. T. Ganesh |
| LUNCH: 12:30 PM to 1:30 PM | | |
| Session 2: Treatment Planning 1:30 PM TO 5:00 PM | | |
| 2.1 | Dose calculation algorithms for photon beams | Dr. Paul Ravindran |
| 2.2 | Commissioning of treatment planning system | Dr. A. Tyagi |
| Tea Break: 15 Minutes | | |
| 2.3 | Radiobiological considerations in conventional RT and SRS | Dr Manoj Semwal |
| Day 2: Sunday, July 2, 2023 | | |
| Session 3: Quality Assurance 9:00 AM TO 12:30 | | |
| 3.1 | QA of linear accelerators | Dr. K.J. Maria Das |
| 3.2 | Implementation of patient specific QA | Dr. Gaganpreet Singh |
| 3.3 | Brachytherapy dose calculation: TG-43 formulation | Dr. T. Ganesh |
| Session 4: Radiation Safety 1:30 PM TO 5:00 PM | | |
| 4.1 | AERB regulatory requirements before, during and after radiotherapy practice | Dr. S.D. Sharma |
| 4.2 | Planning of radiotherapy facilities | Dr. Paul Ravindran |
| Tea Break: 15 Minutes | | |
| 4.3 | Planning and safety aspects in nuclear medicine and radiology departments | Dr. Sukhvir Singh |

This course is designed in such a way that the participants can discuss any doubts freely with all the faculties.

There will be a question answer session after each topic, so that all participants can measure the level of their own understanding.

**Chief-Patron: Prof. Renu Vig, Vice-Chancellor, PU,
Chandigarh**

**Patron: Prof. Sushmita Ghoshal, HOD, Radiotherapy Deptt.,
PGIMER, Chandigarh**

Conveners: Dr. Vivek Kumar and Dr. Arun S. Oinam

Organizing Committee

Ms. Reena Sharma

Dr. Gaganpreet Singh

Dr. Rajesh Kumar

Dr. Pooja Kaushal

Dr. Jasmine Sati

Interested medical physicists are requested to submit their contact details in the following format:

Name:

Educational qualifications:

Present designation:

Present working place:

Email id:

Contact no:

Accommodation Required : Yes/No

Note: Limited double-bedded guest house rooms accommodation (mostly sharing basis) will be provided on first come-first served basis with nominal charges.

Contact Persons:

Dr. Vivek Kumar: 8146738713

Dr. Arun S. Oinam: 9465448709

Dr. Gaganpreet Singh: 9217685888