



ASSOCIATION OF MEDICAL PHYSICISTS OF INDIA



EDUCATION AND TRAINING COMMITTEE MEDICAL PHYSICS REFRESHER COURSE 2016

Dates

April 09th to 16th, 2016,

Venue

American Oncology Institute, Hyderabad

Course Coordinator:

Mr. Suresh Pangam, Coordinator
Education and Training Committee, AMPI
American Oncology Institute, Hyderabad

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Course organizers:

Dr Krishna Komanduri, Director of Physics
Dr. K R. Muralidhar Chief Medical Physicist cum RSO

WELCOME

This Medical Physics Refresher Training Course is conducted by Education and Training Committee of Association of Association of Medical Physicists of India (AMPI) at American Oncology Institute, Hyderabad from April 9th to 16th, 2016.

Course Objectives & Target Group

The aim of the course is to provide an interactive educational set-up to learn and understand the fundamentals in Medical Physics indented to the students who are in the verge of completion of their graduate programme and preparing for the exit level examinations such as competency and radiological safety. The teaching and training will be provided for approximately 50 students from different institution all over the country.

Course Content

This course will provide didactic lectures, practical and interactive discussions. This will include Radiation Physics, Radiotherapy Equipment, Radiation Dosimetry and Treatment Planning, Brachytherapy Physics, Biological Effects of Radiation, Nuclear Medicine, Advanced Clinical Radiation Therapy Physics, Radiation Hazards, Evaluation and control, Medical Imaging Techniques, Radiobiology, Electron Beam Therapy, IAEA TRS 398 dosimetry protocol, Patient Specific Dosimetry in Radiotherapy, Personnel and Area Monitoring System, CBCT, Special Techniques, ICRU 50, 62,83 and Clinical Aspects of Radiation Oncology etc.

The lectures in the form of teaching and practical training will be delivered by almost 20 working group and experts in the above fields of Medical Physics.

Teaching & Training Course Infrastructure

The equipments available for training course such as PET-CT ,CT-Simulator, Linear Accelerator with modern technology, Treatment planning system oncology information & networking High-dose rate remote afterloading Brachytherapy unit and ancillary dosimetry, quality assurance safety equipments and also other imaging equipment's.

Learning Outcome

By the end of this course participants should be able to improve their fundamental and practical understanding in most of the areas in Medical Physics and will give an examination to assess the effectiveness of the teaching/ training course and also survey based evaluation feedback form by the participants.

There is no fee for registration and sharing based accommodation is available on paying for limited candidates.