

MEFOMP Workshop Activity

Radiation Therapy Instrumentation Workshop

Radiation Oncology Department
National Center for Cancer Care & Research
Doha, Qatar

22-24 September 2022

Information Sheet

Introduction

The workshop focuses to provide theoretical and hands on demonstration of correct use of commonly used instruments for Dosimetry in Radiotherapy to Junior Radiotherapy Medical Physicists in the Middle East region.

Objectives

The objective for the workshop is to strengthen the knowledge base of Junior Medical Physicists in the Middle East region for improving patient safety and quality of care. The Workshop primarily focuses on imparting the required understanding and skillsets through lectures, hands on demonstrations and active interactions, aiming at

- An in depth understanding of technical workings and theory behind various types of dosimetry equipment (i.e. electrometers, ion chambers, solid-state detectors, Radiation Field Analyzer, array devices, etc.) and the correct methodology needed to ensure accurate measurements are attained.
- The correct implementation of, and the theory behind, the patient specific quality assurance process. This will include a practical session during which attendees will have the opportunity to be directly involved.
- A hands-on session of the IAEA TRS-398 protocol for the determination of the absorbed dose for high-energy photons will be implemented. Also included will be a cross-calibration session for the use of plane parallel chamber to determine the absorbed dose for high-energy electron beams.
- The instrumentation of choice for small fields and FFF beams will also be covered. This will include an in-depth look at the theory behind using specific types of instruments in such conditions.

Target Audience

The workshop targets Radiotherapy Medical Physicists with 3-5 years of experience.

Each Medical Physics Society / MEFOMP ExCom Representative is expected to nominate 2 candidates (1 primary and 1 backup). The organizing committee will then select one participant per member state country based on the CV and availability.

Working Language

English

Participation and Registration

Participation is on invitation from the Organizing Committee, based on the nominations received. The nomination will be addressed per the attached Participation form.

Expenditures

Economy flights, single accommodation, meals for the days of the workshop and all event related transportation will be borne by the organizers.

Venue

The event will be held at the Radiation Oncology Department, National Center for Cancer Care & Research (NCCCR), Doha, Qatar.

Participants are advised to arrive at the NCCCR main entrance 30 minutes before the start of the event on the first day to allow for timely registration. Participants will need to present their passports to be admitted to the NCCCR premises.

Visas

The visa issuance is under the candidate responsibility. The organizing committee will try to assist in this matter. However, there is no guarantee in the issuance of the visa from our side.

Organization

This activity is endorsed by the Middle East Federation of Organizations of Medical Physics and organized by the Radiation Oncology Department, National Center for Cancer Care & Research, Hamad Medical Corporation, Qatar.

Sponsorship



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