



مستشفى الملك فيصل التخصصي ومركز الأبحاث
King Faisal Specialist Hospital & Research Centre
Gen. Org. مؤسسة عامة



ICRM2022

7th INTERNATIONAL CONFERENCE ON RADIATION MEDICINE

Virtual Event, Hosted by King Faisal Specialist Hospital & Research Centre, Riyadh, Saudi Arabia

12 - 16 RAJAB 1443 | 13 - 17 FEBRUARY 2022

CLINICAL APPLICATIONS AND INNOVATIVE APPROACHES

MPW04: shielding calculation of diagnostic imaging facility

Date & Time: Thursday, 17 February 2022, 13:00 - 15:30

Venue: Online

Coordinator: Omar Noor

Workshop Faculty: Eslam Kamal

Target Audience: Medical physicists

Prerequisites:

- 1- Laptop or Pc.
- 2- RadShield software

Workshop Description:

This workshop will teach you how to calculate shielding in a diagnostic facility according to NCRP 147. Explaining how to calculate shielding in cardiac angiography, the chest unit, the radiographic room, the radiographic and fluoroscopic room, and computed tomography utilizing a handbook and the RadShield program.

Learning Objectives:

- Basic Principles of shielding calculations
- Shielding Design Assumptions
- Manual shielding calculation of diagnostic imaging facility
- Semiautomated calculation using RadShield software