



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

MR Simulation in Radiotherapy

Date: Thursday 17 Feb 2022

Time: 15:45-18:00

Venue: Virtual, Live

Coordinator: Mona Alturaiki, RTT

Workshop Faculty: Mona Alturaiki, RTT

Habib Alsaleh, PhD

Wafaa Alonazi, RT(MR), ARRT

Target Audience: All Radiation Oncology Services Group

Description: The use of magnetic resonance imaging (MRI) in radiation oncology is expanding rapidly, and more clinics are integrating MRI into their radiation therapy workflows. However, radiation therapy presents a new set of challenges and places additional requirements on MRI compared to diagnostic radiology. This workshop will demonstrate the King Faisal Specialist Hospital & Research Centre (KFSH&RC) experience with a dictated 3T MR simulator for radiotherapy treatment planning.

Learning Objectives:

The workshop will include presentations and recorded videos to walk you through the process of operating MRI sim in Radiation Therapy Department at KFSH&RC and will cover the below aspects:

1. Introduction to MRI simulation in Radiation Therapy (Presentation).
2. MRI Simulation in radiotherapy: Physics quality assurance considerations according to AAPM TG-284 report. (Presentation).
3. Demonstration of the daily clinical workflow of MRI simulation for treatment planning.