



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



7th INTERNATIONAL CONFERENCE ON RADIATION MEDICINE

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

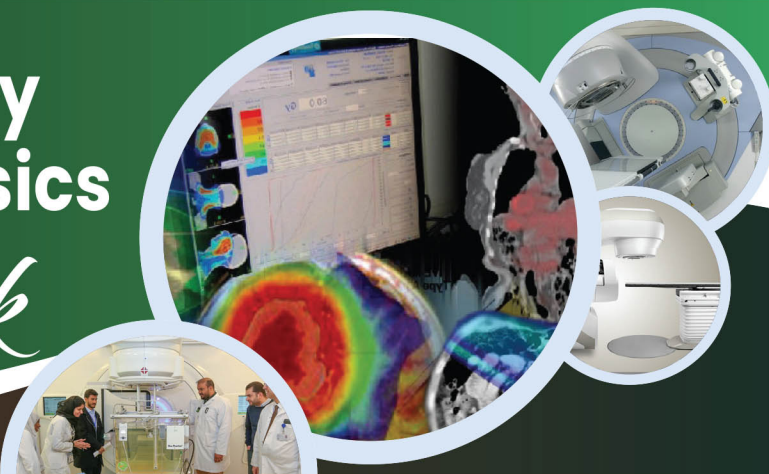
12 - 16 RAJAB 1443 | 13 - 17 FEBRUARY 2022

CLINICAL APPLICATIONS AND INNOVATIVE APPROACHES

Overview

The Radiation Oncology & Radiation Physics Track brings together radiation oncology experts in fields of medicine, physics, computer science and biology with a common goal of exploring better ways to fight cancer with science and education. The track program highlights the field's latest innovations, state-of-the-art technologies and their clinical implementation.

Radiation Oncology & Radiation Physics Track



Highlights

- ◊ A special session on FLASH Therapy
- ◊ A special session on radiation medicine by the International Atomic Energy Agency (IAEA)
- ◊ Innovations in image-guided external beam radiotherapy and brachytherapy
- ◊ Automation and artificial intelligence (AI) in radiation oncology
- ◊ Quality assurance, dosimetry and statistical processes in radiation oncology
- ◊ Radiotherapy Physics Review Course
- ◊ More than thirty multi-disciplinary lectures and nine virtual workshops

Workshops

- ◊ Deep-Inspirational Breath-Hold (DIBH) Technique for Breast Radiotherapy
- ◊ Planning and QA in GYN HDR Brachytherapy with the Venezia Hybrid Applicator
- ◊ MR Simulation in Radiotherapy
- ◊ External Beam Treatment Planning
- ◊ Reference Dosimetry and Cross Calibration of Ionization Chambers
- ◊ Small Beam Dosimetry
- ◊ Patient Specific Quality Assurance
- ◊ Shielding Calculations for Radiotherapy
- ◊ 3D Printing in Radiotherapy



Contributors

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