



ICRM2016

4th

INTERNATIONAL CONFERENCE ON RADIATION MEDICINE

CLINICAL APPLICATIONS AND INNOVATIVE APPROACHES

King Faisal Specialist Hospital & Research Centre, King Faisal Hall and Intercontinental Hotel,
Riyadh, Kingdom of Saudi Arabia

12 - 16 JUMADA AL AWAL 1437 / 21 - 25 FEBRUARY 2016

Medical Physics *Track*

SPEAKERS



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PROGRAM CONTENT

- Imaging in Radiation Oncology Symposium. Sunday 21st KFSHRC: Respiratory management, motion tracking, MRI QA and artifacts, MR in treatment planning, CT & CBCT artifacts and other topics.
- CEC sessions. Treatment & commissioning for SBRT and SRS. IMRT QA consideration. Radiation shielding. Future challenges of Rad. Onc. & error analysis.
- Scientific sessions: Small field dosimetry. Comparison of dose calculation algorithms. PET-CT shielding, Patient Dosimetry in Diagnostic Radiology
- Plenary sessions: Incident reporting & culture of Safety, the digital dilemma
- Workshops: Treatment planning, advanced treatment planning (VMAT), CT-sim and CT QA, brachytherapy QA, MRI safety and QA, Shielding calculation for radiation facilities (linacs and PET/CT), risk analysis and failure modes (TG-100)

PROGRAM SUMMARY

The radiation therapy physics focuses on the use of imaging in radiation therapy (CT and MR modalities, motion management and other relevant topics) this is discussed in the Sunday Symposium) as well as on stereotactic radiosurgery and body radiotherapy with clinical and physics discussions from small beam dosimetry, to updates of TG-51 for FFF beams to delivery techniques and organs at risk tolerance. Imaging physics topics include imaging doses, MR QA and artifacts, QA procedures for imaging modalities, shielding for PET/CT facilities and other relevant topics. Various workshops are offered, notable the TG-100 (failure mode and effects analysis) and shielding of radiation facilities.

The medical physics track will host the key note speech on Sunday on the effect of digitization on image quality and two plenary speeches on Tuesday and Wednesday.



Organized by: ICRM2016 Medical Physics Scientific Committees

Medical Physics Scientific Committee Chair: Shada Wadi-Ramahi, PhD, DABR



30 CME HOURS
Saudi Commission
for Health Specialties



34.75 AACME HOURS
American Academy of
Continuing Medical Education

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