ICRM2016
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

PROGRAM CONTENT

- Imaging in Radiation Oncology Symposium, Sunday 21st KFSHRC: Respiratory management, motion tracking, MRI QA and artifacts, MR in treatment planning, CT & DCCD analytics and other topics,
- CDE sessions: Treatment & commissioning for SBRT and SRS, SBRT QA consideration, Radiation shielding, future challenges of Rad, Ore, A, or emission analysis,
- Scientific sessions: Small field dosimetry, Comparison of dose calculation algorithms, PET/CT shielding, Patient Dosemetry in Diagnostic Radiology
- Primary sessions: Incident reporting & culture of Safety, the digital dilemma
- Workshops: Treatment planning, advanced treatment planning (VMAT, CT-VMAT and CT QA), brachytherapy QA, MRI safety and DA, Shielding calculation for radiation facilities, Novenr and PET/CT; risk analysis and failure modes (TG-140)

PROGRAM SUMMARY

The radiation therapy physics focuses on the use of imaging in radiation therapy ICT and MR modules, motion management and other relevant topics. This is discussed in the Sunday Symposium, as well as on ionization dosimetry and digital radiography with clinical and photography discussions from small beam dosimetry to radiation of D24 for HH beams in detail. Current and ongoing testing, implementation, design, and results will be presented in imaging physics. Recent imaging dose, MRI QA and artifacts, QA procedures for imaging modalities, shielding for PET/CT facilities and other relevant topics. Various workshops are offered related to the TG-140 follow-up modes and effects analysis and shielding of radiation facilities.

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

Organized by: ICRM2016 Medical Physics Scientific Committees
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