



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



IAEA
International Atomic Energy Agency



جامعة الفيصل
Alfaisal University



ICRM2020

6th INTERNATIONAL CONFERENCE ON RADIATION MEDICINE

CLINICAL APPLICATIONS AND INNOVATIVE APPROACHES

KING FAISAL SPECIALIST HOSPITAL & RESEARCH CENTRE AND AL-FAISAL UNIVERSITY, RIYADH, SAUDI ARABIA

9 - 13 FEBRUARY 2020 | 15 - 19 JUMADA ALTHANI 1441

Program Highlights

Topics:

- Radiology Equipment Selection Methodology
- Medical Equipment Retirement Plan (MERP): Proactive Program to Fulfill Medical Equipment Replacement Needs
- 3D Modeling of Airflow & Aerosol Deposition in the Existence of Dust
- Artificial Intelligence in Healthcare: Medical Imaging Example
- Advanced Technologies in Radiotherapy
- Attributes to the Biomedical/ Clinical Engineering Field with Emphasis on Medical Devices Quality Management Systems (ISO 13485:2016)
- Recognition of Cardiac Tissues Using K-means Methods
- Application of Digital Imaging Processing Methods Medical Images Analysis
- Test Methods for Emerging Technology. Example Applications: In Vitro Performance Evaluation of a Fluorescence Biosensor for CGM and Similar Practices in Radiology
- The Essential Principles of Safety and Performance for Medical Devices & the Role of Standards
- Helical Therapy and Robotic Radiosurgery Installation and Service.

Workshops:

- Maintenance Protocol and System Architecture of CyberKnife
- Maintenance Protocol and System Architecture of Advance RT System
- CT Simulator: Equipment Overview, Key Maintenance Protocols
- Brachy / X-ray Simulator: System Design and Functional Overview



30 EXPECTED
CME HOURS



Clinical Engineering Track

Speakers



Ahmed AlThumairi, PhD
Co-Chairman, ICRM2020
Executive Director, Hospital Operations
King Faisal Specialist Hospital & Research Centre,
Riyadh, Saudi Arabia



Ahmed Sallam, PhD
Consultant and Director
of Quality & Talent Development
Gulf Medical Co.
Riyadh, Saudi Arabia



Abdullah Namroqa
Sales Manager Middle East
Elekta Limited
Crawley, United Kingdom



Mamdouh Aloraefy, PhD
Biomedical Engineering Researcher
U.S. FDA Fellow
Riyadh, Saudi Arabia



Eng. Mansour Abulkhair
Head, Clinical Engineering
Clinical Engineering Department
King Faisal Specialist Hospital & Research Centre
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Naser Alaboudi, MSc
Director, Radiation Protection
and Safety Department
Medical Devices Sector
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Omar AlTuwaijri, PhD
Consultant & Associate Professor
of Biomedical Technology
King Saud University
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Saleh Altayyar, PhD
Assistant Professor &
Biomechanics Consultant
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Mr. Sherif Elshimy
Radiation Oncology Sales Manager
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Yasser Kadah, PhD
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Eng. Mohammed Reik
Senior Technical Support Engineer
EIMEA Technical Support Team
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Yousef Yousef, PhD
Associate Professor of Radiology
Majmaah University
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Chair: **Ahmed AlThumairi, PhD**
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