

# International Conference on Radiation Medicine (ICRM2014)

## Clinical Applications and Innovative Approaches

Venue: King Faisal Specialist Hospital & Research Centre  
and Intercontinental Hotel, Riyadh, Saudi Arabia  
16 - 20 February 2014

**Sunday, 16 February 2014**

### Pre-ICRM2014 Courses and Workshops

TIME 7:00–8:00 AM	On-Site Registration Venue: Post Graduate Center, KFSH&RC			
TIME 8:00–8:15 AM	<b>Pre-ICRM Welcome</b> Dr. Belal Mofteh, Chairman, ICRM Organizing Committee Prof. Daud Mohamed, Deputy Director General, IAEA Prof. Rashed Al Rashed Al Hmaid, Chief Operating Officer, KFSH&RC Venue: Post Graduate Auditorium, KFSH&RC			
8:15–9:45 AM	Session 1: Continuing Education Courses (Part I)			
Course No	CEC 1	CEC 4	CEC 11	CEC 12
Course Title	World of Medical Physics	MRI in Practice	Joint IAEA/KFSH&RC QUATRO & QUADRILL	Joint AAEA/KACARE/KFSH&RC Introduction to Radiation Medicine
Venue	KFSH&RC, Post Graduate Classroom 1	KFSH&RC, Post Graduate Auditorium	KFSH&RC, Post Graduate Classroom 3	KFSH&RC, Post Graduate Classroom 4
Coordinator	Slobodan Devic, PhD	Nabeel Mishah, MBA	Ahmed Meghzifene, PhD	Belal Mofteh, PhD
Chairpersons	Waleed Al-Najjar, PhD	John Talbot, MSc; Cathy Westbrook, MSc	Ahmed Meghzifene, PhD	Abdulrahman Alarfaj, PhD
CEC Lecture 8:15–8:45 AM	L1: Evolving Trends in Academic and Clinical Education of Medical Physicists Ervin Podgorsak	L1: Basic Principles Cathy Westbrook	L1: Opening and Workshop Objective Ahmed Meghzifene	L1: King Faisal Specialist Hospital & Research Centre Mamdouh Albaqumi
CEC Lecture 8:45–9:15 AM	L2: Medical Physics in Saudi Arabia: Past, Present, and Future Belal Mofteh		L2: Risk Management in Radiotherapy Tomas Kron	L2: Arabic Atomic Energy Agency Ahmad Kassem
CEC Lecture 9:15–9:45 AM	L3: Tutorial on Advanced Radiotherapy Techniques Waleed Al-Najjar		L3: Overview of IAEA Guidelines on Comprehensive Audits Ahmed Meghzifene	L3: King Abdullah City for Atomic and Renewable Energy Mohammed Garwan
9:45–10:00 AM	Coffee Break			
10:00 AM–12:15 PM	Session 2: Continuing Education Courses (Part II)			
Chairpersons	Cameila Constantinescu, PhD	John Talbot, MSc; Cathy Westbrook, MSc	Tomas Kron, PhD	Refaat AlMazrou, MSc
CEC Lecture 10:00–10:30 AM	L4: Tutorial on Radiation Therapy Process Mohammad Al Shabanah	L2: Image Contrast Cathy Westbrook	L7: IAEA Support to National Dosimetry Audits Ahmed Meghzifene	L5: Radiopharmaceuticals and Tracers M. F. Ben Slimene
			L8: Auditing Advanced Technology	

CEC Lecture 10:30–11:00 AM	L5: Practical Aspects of Medical Physics Certification Examinations Ervin Podgorsak	L3: Instrumentation John Talbot	Tomas Kron	L6: Nuclear Medicine: Physics Aspect Refaat AlMazrou
CEC Lecture 11:00–11:30 AM			L9: Discussions on Clinical Audits of Radiotherapy Practice All Faculty (A. Meghzifene, B. Mofteh, M. Al Shabanah, T. Kron, K. Faulkner, G. Singh) and Participants	L7: Nuclear Medicine: Clinical Aspect Mahmoud Tuli
CEC Lecture 11:30–12:15 PM	L6: First Anonymous Practical Examination Ervin Podgorsak			L8: Cardiology and CathLab Hani Al-Sergani
12:15–1:15 PM	Prayer and Lunch Break Venue: Post Graduate Classrooms 7 and 8 Foyer			
1:15–3:30 PM	Session 3: Continuing Education Courses (Part III)			
Chairpersons	Slobodan Devic, PhD	John Talbot, MSc; Cathy Westbrook, MSc	Keith Faulkner, PhD	Belal Mofteh, PhD
CEC Lecture 1:15-2:00 PM	L7: Tutorial on X-ray Imaging for Radiotherapy Nada Tomic	L4: Safety John Talbot	Comprehensive Clinical Audits of Diagnostic Radiology Practices: A Tool for Quality Improvement: Quality Assurance Audit for Diagnostic Radiology Improvement and Learning (QUADRIL)	L9: Applications of Non-ionizing Radiation Dimitre Hristov
			L10: Introduction to Clinical Audits in Diagnostic Radiology Keith Faulkner	
			L11: The Need for Comprehensive Audits: A Radiologist's Perspective Irfan Mamoun	
CEC Lecture 2:00-2:30 PM	L8: Tutorial on MRI and PET for Radiotherapy Slobodan Devic		L12: The Need for Comprehensive Audits: A Medical Physicist's Perspective Keith Faulkner	L10: Radiation Oncology: Physics Aspects Belal Mofteh
			L13: The Need for Comprehensive Audits: A Medical Technologist's Perspective Naheed Gamali	
CEC Lecture 2:30-3:00 PM	L9: Tutorial on Radiation Biology Ghazi Alsbeih		L14: Incidents and Their Investigation: An Interactive Session Keith Faulkner	L11: Radiation Oncology: Clinical Aspects Mohammad Al-Shabanah
CEC Lecture 3:00-3:30 PM	L10: Tutorial on Brachytherapy Slobodan Devic	L15: Experience of Undertaking QUADRIL Audits Keith Faulkner	L12: Diagnostic Imaging: Clinical Aspect Salahudin El Naas	
		L16: Discussions on Clinical Audits of Diagnostic Radiology Practices All Faculty (K. Faulkner, N. Gamali, T. Kron, I. Mamoun, A. Meghzifene) and Participants		
3:30-4:00 PM	Asr Prayer and Coffee Break			
4:00–5:30 PM	Session 4: Continuing Education Courses (Part IV)			
Chairpersons	Slobodan Devic, PhD	John Talbot, MSc; Cathy Westbrook, MSc	Ahmed Meghzifene, PhD	Adnan AlWatban, PhD
CEC Lecture 4:00-4:30 PM	L11: Tutorial on Energy Transfer and Energy Absorption in Photon Interactions with Matter Ervin Podgorsak	L5: Spin Echo John Talbot	Discussion session <ul style="list-style-type: none"> <li>What are the Challenges for Setting Up Compressive Audits at the National Level?</li> <li>How Can the Concept of Audits be Promoted? Do we Need Regulations?</li> <li>How do we Deal/Follow-up with Serious Shortcomings</li> <li>Other Discussion Items from the Audience</li> </ul>	L13: Diagnostic Imaging: Physics Aspect Adnan AlWatban

CEC Lecture 4:30-5:00 PM	L12: Tutorial on Interaction of Charged Particles with Matter Ervin Podgorsak		Conclusions/Recommendations All Faculty and Participants	L14: Radiography Ahnaf Arafah
CEC Lecture 5:00-5:50 PM				