

# 4<sup>th</sup> International Conference on Radiation Medicine (ICRM2016)

## Clinical Applications and Innovative Approaches

Venue: King Faisal Specialist Hospital & Research Centre, King Faisal Hall  
and Intercontinental Hotel, Riyadh, Saudi Arabia  
21 - 25 February 2016

**Sunday, 21 February 2016**

### Pre-ICRM2016 Courses and Workshops

7:00–8:00 AM	On-Site Registration Venue: KFSHRC Post-Graduate Foyer
--------------	---

8:00–8:20 AM	<b>Pre-ICRM2016 Opening Ceremony</b> Recitation of the Holy Quran: Mr. Ahmad Nobah <b>Opening Remarks:</b> Dr. Mohammed Al Shabanah, Co-Chairman, ICRM2016 Organizing Committee, Dr. Irfan Mamoun, On behalf of ICRM2016 Scientific Committees, <b>Welcome Address:</b> Prof. Rashed Al Rashed Al Hmaid, Chief Operating Officer, KFSH&RC-Riyadh Venue: Post-Graduate Auditorium
--------------	---

### 8:25–10:00 AM Session 1

Code	NRS1	DIW1	DIW2	NMS1	MPS1	RPW1
Activity Type	Symposium	CEC + Workshop	CEC + Workshop	Symposium	Symposium	CEC + Workshop
Title	Neuro, Head and Neck Imaging	Advanced Oncologic Imaging	CT Cardiac Level 1	PET/MR	Imaging in Radiation Oncology	Radiation Safety Refresher
Venue	KFSH&RC (Radiology Conference Room)	KFSH&RC (PG Auditorium)	KFSH&RC (Foyer Room 7&8)	KFSH&RC (PG Room 3)	KFSH&RC (PG Room 1)	KFSH&RC (PG Room 4)
Coordinator	Irfan Mamoun, MD	Kadria El-Haddad, MD	Mosleh Al Raddadi, MD	Mohei El-din Abouzied, MD	Shada Wadi-Ramahi, PhD	Mehenna Arib, PhD
Chairperson(s)	Khalil Kurdi, MD and Stefan Kristjansson, MD	Abeer Almula, MD and Abdullah Aldosari, MD	Mosleh Al Raddadi, MD	Mohei El-din Abouzied, MD and Omer Demirkaya, PhD	Essam Mattar, PhD and Mukhtar Alshanjity, PhD	Abdullah A. Alshreef, MSc and Hassan Al-Ghamdi, MSc
8:25–8:50 AM	L1: Emergency Stroke Triage Howard Rowley, MD	L1: Oncological imaging: Current concepts and future trends Khaled Elsayes, MD	L1: Introduction to workstation: Cardiac Anatomy on CT Ben Ariff, MD	L1: PET/MR system design I Craig Levin, PhD	L1: Introduction to Radiomics Peter Balter, PhD	L1: Nuclear Structure and Radioactive decay Abdulkadir Alaydarous, PhD
8:50–9:15 AM	L2: Mechanical Thrombectomy in acute stroke Michel Mawad, MD	L2: Can you make the call – Imaging challenging abdominal tumors Perry Pickhardt, MD		L2: PET/MR system design II Craig Levin, PhD	L2: Metal artifacts reduction in treatment planning Peter Balter, PhD	
9:15–9:40 AM	L3: Imaging of CNS Hemorrhage Howard Rowley, MD	L3: Imaging of abdominal complications in the oncology patient Richard Gore, MD		L3: PET/MR artifacts and workflow issues Gustav von Schulthess, MD	L3: Moving beyond Quality Control: What is Quality and how it applies in Diagnostic Radiology Harry Delis, PhD	L3: Radiation Quantities & Units Rachid Machrafi, PhD
9:40–10:00 AM	L4: Peritoneal tumors Francis Scholz, MD				Discussion	

### 10:00–10:15 AM Coffee Break

### 10:15 AM–12:15 PM Session 2

Code	NRS1	DIW1	DIW2	DIW19	NMS1	MPS1	RPW1
Activity Type	Symposium	CEC + Workshop	CEC + Workshop	Workshop	Symposium	Symposium	CEC + Workshop
Title	Neuro, Head and Neck Imaging	Advanced Oncologic Imaging	CT Cardiac Level 1	Review of Knee MRI	PET/MR	Imaging in Radiation Oncology	Radiation Safety Refresher
Venue	KFSH&RC (Radiology Conference Room)	KFSH&RC (PG Auditorium)	KFSH&RC (Foyer Room 7&8)	KFSH&RC (PG Room 5)	KFSH&RC (PG Room 3)	KFSH&RC (PG Room 1)	KFSH&RC (PG Room 4)

Coordinator	Irfan Mamoun, MD	Kadria El-Haddad , MD	Mosleh Al Raddadi, MD	Meshal Alshaalan, MD	Mohei El-din Abouzied, MD	Shada Wadi-Ramahi, PhD	Mehenna Arib, PhD
Chairperson(s)	Salma Qutab, MD and Jihad Alwatban, MD	Halldor Benediktsson, MD and Ghassan Almaziad, MD	Mosleh Al Raddadi, MD	Khalid Alismail, MD	Hossam Alzeftawi, MD, Ahmad Almuhaideb, MD	Essam Murshid, MD and Mawya Khafaji, PhD	Zohra Lounis-Mokrani, PhD and Sahar Abdelaty, PhD
10:15–10:45 AM	<b>L4: Arterial ischemic stroke in children</b> Manohar Shroff, MD	<b>L5: Esophageal and gastric cancer – Update and standard of care</b> Richard Gore , MD	<b>L2: Clinical cases:</b>  Ben Ariff, MD	<b>L1: Imaging of the knee</b> Asif Saifuddin, MD	<b>L4: PET/MR – Facts and fictions</b> Gustav von Schulthess, MD	<b>L4-L9: Respiratory Management:</b> <b>L4: Tracking technique</b> James Balter, PhD Peter Balter, PhD  <b>L5: 4DCT technique</b> Peter Balter, PhD James Balter, PhD  <b>L6: Methods in Breath-hold technique</b> Michigan point of view MD Anderson point of view  <b>L7: What about Gating?</b> MD Anderson point of view Michigan point of view  <b>L8: The final step in Respiratory Gating: Treatment</b> Christine Higby, MA  <b>L9: Concluding remarks</b> James Balter, PhD Peter Balter, PhD	<b>L4: Radiation detection and measurements I</b> Mehenna Arib, PhD
10:45–11:15 AM	<b>L5: Imaging Pattern in Metabolic disease</b> Howard Rowley, MD	<b>L6: Rectal cancer – MRI impact on patient care</b> Perry Pickhardt, MD			<b>L5: Dedicated breast FDG imaging: Role of PET/MR fusion</b> Michel Herranz, MD		<b>L5: Radiation detection and measurements II</b> Abduraheem Kinsara, PhD
11:15–11:45 AM	<b>L6: Childhood acquired WMD</b> Manohar Shroff, MD	<b>L7: Pearls and Pitfalls in pancreatic Masses</b> Khaled Elsayes, MD			<b>L6: PET/MR in cardiac imaging</b> Ahmad Fathala, MD		<b>L6: Personal Radiation Dosimetry Devices and Methods</b> Rachid Machrafi, PhD
11:45–12:15 PM	<b>L7: Imaging of Neurodevelopmental anomalies</b> Irfan Mamoun, MD	<b>L8: Hepatic lesions in patients with known cancer</b> Kartik Jhaveri, MD			<b>L7: PET/MR in Neuro, Head/Neck and lung cancer</b> Gustav von Schulthess, MD		<b>L7: Personal dose management system</b> Omar Noor, MSc
12:15–1:30 PM	<b>Prayer and Lunch Break</b> <b>Venue: KFSHRC Social Club (Swimming Pool)</b>						
1:30–3:30 PM	<b>Session 3</b>						
Chairperson(s)	Khalil Kurdi, MD and Fawaz Al Shareef, MD	Laila Alashgar, MD and Nouf Alabdalla, MD	Mosleh Al Raddadi, MD	Mohamed Abubacker, MD	Saud Alenazi, MD and Mohamed Alzayed, MD	Abdelhamid Saoudi, PhD and Abdulaziz Alhamad, MD	Mahmoud Ahmed, BSc and Mahmoud Younes, PhD
1:30–2:00 PM	<b>L8: Endovascular Treatment of Aneurysms with Flow Diversion</b> Michel Mawad, MD	<b>L9: Pattern of Lymph Node Metastases in Abdominal and Pelvic Malignancies</b> Richard Gore , MD	<b>L3: Basic Physics for Cardiac CT Indications &amp; anomalous origins</b>  Ben Ariff, MD	<b>L2: Imaging of the knee</b> Asif Saifuddin, MD	<b>L8: PET imaging in hepatocellular carcinoma (HCC)</b> Zubair Khan, MD	<b>L10: MRI issues of significance to Radiation Oncology</b> James Balter, PhD	<b>L8: Biological effects of radiation</b> Ghazi Alsbeih, MD, PhD
2:00–2:30 PM	<b>L9: Dementia Imaging</b> Howard Rowley, MD	<b>L10: Diagnosing and Treating Morbid Lymphedema following Radical Surgery</b> Theodore Dubinsky, MD			<b>L9: Peptide Receptor Radionuclide Therapy (PRRT) in neuroendocrine tumors</b> Mahmoud Tuli, MD	<b>L11: MR Quality Assurance</b> Perry Sprawls, PhD	
2:30–3:00 PM	<b>L10: Treatment of un-ruptured cerebral AVM</b> Michel Mawad, MD	<b>L11: Staging of uterine malignancies</b> Kartik Jhaveri, MD			<b>GE Presentation</b>	<b>L12: MR image artifacts</b> Perry Sprawls, PhD	<b>L10: Ionizing radiation legislation and regulations</b> Melissa Martin, MSc
		<b>L12: Staging ovarian cancer – A GPS to management</b> Theodore Dubinsky, MD			<b>L13: Experience with Implementation of MRI-only</b>		

						simulation in the head James Balter, PhD	
3:00–3:30 PM	L11: Head Trauma and Neurovascular Injury Howard Rowley, MD	L13: Pitfalls in oncologic imaging of the pelvis Khaled Elsayes, MD			L10: PET/MR Panel Discussion Ahmad Fathala, MD Michel Herranz, MD Craig Levin, PhD Gustav von Schulthess, MD	L14: Safety and Hazard in MRI Abdullah Abu Jamea, PhD	L11: Quality control and record keeping in radiation safety Mehenna Arib, PhD
3:30–4:00 PM	Prayer and Coffee Break						
4:00–5:30 PM	Session 4						
Code	NRS1	DIW1	DIW2	NMS1	MPS1	RPW1	
Activity Type	Symposium	CEC + Workshop	CEC + Workshop	Symposium	Symposium	CEC + Workshop	
Title	Neuro, Head and Neck Imaging	Advanced Oncologic Imaging	CT Cardiac Level 1	PET/MR	Imaging in Radiation Oncology	Radiation Safety Refresher	
Venue	KFSH&RC (Radiology Conference Room)	KFSH&RC (PG Auditorium)	KFSH&RC (Foyer Room 7&8)	KFSH&RC (PG Room 3)	KFSH&RC (PG Room 1)	KFSH&RC (PG Room 4)	
Coordinator	Irfan Mamoun, MD	Kadria El-Haddad, MD	Mosleh Al Raddadi, MD	Mohei El-din Abouzied, MD	Shada Wadi-Ramahi, PhD	Mehenna Arib, PhD	
Chairperson(s)	Abeer Mehdar, MD and Makki Al Muntasheri, MD	Badr Almutairi, MD and Khalid Almanae, MD	Mosleh Al Raddadi, MD	Nabil Maalej, PhD		Helaiyl Al-Otaibi, MSc and Dheya Alothmany, PhD	
4:00-4:30 PM	L12: Advanced MR Techniques in Head & Neck Cancer Suresh Mukherji, MD	L14: Renal masses and cancer – Imaging workup, biopsy and surgical approach Bachir Taouli, MD	L4: Calcium Score: Clinical Cases  Ben Ariff, MD	L15: Keynote Lecture: It All Begins With Imaging: If You Can't See It, You Can't Treat It Perry Sprawls, PhD			L12: Radiological engineering programs: infrastructure, research and innovation Mohamed Aljohani, PhD
4:30-5:00 PM	L13: Sensorineural Hearing Loss Imaging in Children Manohar Shroff, MD	L15: MRI of urinary bladder Kartik Jhaveri, MD					L13: Industrial applications of ionizing radiations Falah Abujarad, PhD
5:00-5:30 PM	L14: SCCA of the Oral Cavity and Oropharynx: What the Clinicians Need to Know Suresh Mukherji, MD	L16: Prostate cancer – Initial workup and imaging in face of rising PSA Anwar Padhani, MD					L14: Responsibility of the RSO Debbie Gilley, MSc
		L17: The role of interventional radiology in the management of skeletal metastasis Nizar Nakshabandi, MD					

# Monday, 22 February 2016

7:00–8:00 AM	<b>On-Site Registration</b> Venue: Intercontinental Hotel								
8:00–9:30 AM	<b>Session 5</b>								
<b>Code</b>	<b>NRC1</b>	<b>DIC1</b>	<b>DIW2</b>	<b>NMC1</b>	<b>ROC1-RBC1-MPC1</b>	<b>RPW1</b>	<b>GTW1</b>	<b>GTW2</b>	
<b>Activity Type</b>	<b>CEC</b>	<b>CEC</b>	<b>CEC + Workshop</b>	<b>CEC</b>	<b>CEC</b>	<b>CEC + Workshop</b>	<b>CEC + Workshop</b>	<b>Workshop</b>	
<b>Title</b>	<b>Advances in Neuroradiology</b>	<b>Advanced Imaging Techniques</b>	<b>CT Cardiac Level 1</b>	<b>Molecular Imaging</b>	<b>Topics in Radiation Oncology, Biology and Physics</b>	<b>Radiation Safety Refresher</b>	<b>Introduction to Radiation Medicine</b>	<b>Scientific Writing &amp; Publishing</b>	
<b>Venue</b>	<b>KFH (CR5)</b>	<b>KFH (Auditorium)</b>	<b>KFH (CR2)</b>	<b>Intercontinental (Hall A)</b>	<b>Intercontinental (Hall C)</b>	<b>KFH (Round Table)</b>	<b>KFH (CR1)</b>	<b>KFH (CR6)</b>	
<b>Coordinator</b>	<b>Irfan Mamoun, MD</b>	<b>Kadria El-Haddad, MD</b>	<b>Mosleh Al Raddadi, MD</b>	<b>Mahmoud Tuli, MD</b>	<b>Shada Wadi-Ramahi, PhD</b>	<b>Mehenna Arib, PhD</b>	<b>Belal Moftah, PhD</b>	<b>Edward Devol, PhD</b>	
<b>Chairperson(s)</b>	<b>Khalid AlAhmadi, MD and Razan Daghestani, MD</b>	<b>Muteb Alkubeyer, MD and Nuha Khoumais, MD</b>	<b>Mosleh Al Raddadi, MD</b>	<b>Kadria El-Haddad, MD, Khalid Alsalman, MD</b>	<b>Ameen Al-Omair, MD and Saleh Bamajboor, MSc</b>	<b>Khaled Al-Suliman, PhD</b>	<b>Lina Hammad, PhD and Nasser Alaboudi, MSc</b>	<b>Edward Devol, PhD</b>	
8:00-8:20 AM	L1: Adult Postoperative Temporal bone Suresh Mukherji, MD	L1: MR guided HIFU treatment of Uterine Fibroids Pejman Ghanouni, MD	<b>L5-7:</b> <ul style="list-style-type: none"> <li>Performing a Scan</li> <li>Live Case Videos</li> <li>Optimising Images / Reconstruction and Dealing with artifacts</li> </ul> Ben Ariff, MD	L1: Molecular breast imaging (MBI): instrumentation and Technique Haris Kudrolli, PhD	L1: Stereotactic body Radiation Therapy for Liver Cancer: Clinical and Technical Considerations Moyed Miften, PhD	<b>L15: Radiation protection in external beam radiotherapy</b> Melissa Martin, MSc	L1: Radiation in Medicine: Introduction Shada Wadi-Ramahi, PhD	L1: Assessing your work and planning its publication Edward Devol, PhD	
8:20-8:40 AM	L2: Pediatric Posterior fossa tumors old + new Manohar Shroff, MD	L2: Whole body MRI: changing the management paradigm for metastatic breast cancer disease Anwar Padhani, MD		L2: Molecular breast imaging (MBI): Clinical applications Craig Thiessen, MD	L2: Role of Stereotactic radiotherapy in Neurosurgery Peter Spangenberg, MD		<b>L16: Shielding verification of radiation facilities</b> Melissa Martin, MSc	L2: Radiation Medicine in the Kingdom Ali Almesnid, MD	L2: Getting started: building the framework Edward Devol, PhD
8:40-9:00 AM	L3: Imaging of Common Cranial Neuropathies Suresh Mukherji, MD	L3: Multi-parametric MRI assessment of bone marrow response to treatment Anwar Padhani, MD		L3: Molecular breast imaging (MBI): breast cancer screening Haris Kudrolli, PhD	L3: Normal lung tissue reaction to stereotactic body radiation therapy Moyed Miften, PhD			L3: Radiation Protection and Responsibilities of Radiation Safety Officer (RSO) Abdullah Alkhalaiwi, PhD	L3: Preparing effective tables and figures Edward Devol, PhD
9:00-9:20 AM	L3: Imaging of Common Cranial Neuropathies Suresh Mukherji, MD	L3: Multi-parametric MRI assessment of bone marrow response to treatment Anwar Padhani, MD		L3: Molecular breast imaging (MBI): breast cancer screening Haris Kudrolli, PhD	L4: Radiosurgery of multiple metastases Mohammed Saiful Huq, PhD			L4: Radiobiology Ghazi Alsbeih, MD, PhD	L4: Writing the first draft Edward Devol, PhD
9:20-9:30 AM		Discussion			Discussion	Discussion	Discussion		
9:30–9:45 AM	<b>Coffee Break</b>								
9:45-10:30 AM	<b>Session 6: ICRM2016 Opening Ceremony</b> Venue: KFH (Auditorium)								

## ICRM2016 Opening Ceremony

Recitation of the Holy Quran

Opening Remarks: Belal Moftah, PhD, FCCPM, Chairman, ICRM2016 Organizing Committee

Co-Organizers' Welcome Addresses: Ahmad Basel Al-Yousfi, PhD (WHO Representative)

Harry Delis, PhD (IAEA Representative)

Patronage Welcome Address: H.E. Qasim Al Qasabi, MD, FRCSI, FACS, Chief Executive Officer, King Faisal Specialist Hospital and Research Centre (Gen. Org.)

Session 7: Plenary Keynote Lectures I Venue: KFH (Auditorium) Chairpersons: Sattam Lanjawi, MD and Khalid Khashoggi, MD						
10:35 AM-12:15 PM						
10:35-11:00 AM	PKN Lecture 1 Brain Tumors Howard Rowley, MD					
11:00-11:25 AM	PKN Lecture 2 Lung Cancer Screening Review Eric Stern, MD					
11:25 - 11:50 AM	PKN Lecture 3 Imaging biomarker roadmaps in cancer Anwar Padhani, MD					
11:50 AM-12:15 PM	PKN Lecture 4 Current status of clinical PET/MR: Where are we standing? Thomas Hope, MD					
12:15-1:15 PM	Prayer and Lunch Break					
Session 8: Parallel Tracks I						
1:15-3:30 PM	Session 8 A: Neuroradiology Chairpersons: Stefan Kristjansson, MD and Jo Bhattacharya, MD	Session 8 B: Diagnostic & Interventional Radiology II Chairpersons: Hamad Alsuhaibani, MD and Mohamed Neimatallah, MD	Session 8 C: CT Cardiac Level 1 Chairperson: Mosleh Al Raddadi, MD	Session 8 D: Molecular Imaging Chairpersons: Ghulam Syed Shah, MD and Saleh Othman, MD	Session 8 E: Radiation Oncology, Biology and Physics Chairpersons: Tarek Amin, MD and Suliman Alghamdi, MD	Session 8 F: Radiation Protection Chairpersons: Muhammad Garwan, PhD and MUSAED ALMALKI, PhD
	KFH (CR5)	KFH (Auditorium)	KFH (CR2)	Intercontinental (Hall A)	Intercontinental (Hall C)	KFH (Round Table)
1:15-1:40 PM	NR Lecture 1 Epilepsy Imaging: Approach and Protocols Howard Rowley, MD	DI Lecture 1 Focal enhancing hepatic lesions; Algorithmic diagnostic approach Khaled Elsayes, MD	L8: Clinical Cases Ben Ariff, MD	MI Lecture 1 Therapy monitoring with hybrid PET Gustav von Schulthess, MD	ROBP Lecture 1 Compact proton therapy system: technical and clinical results of 3 years of operation Armin Langenegger, MEng	RP Lecture 1 Introduction of the safety guide radiation protection and safety in medical uses of ionizing radiation Debbie Gilley, MSc
1:40-2:05 PM	NR Lecture 2 Arterial Spin Labeling in measuring Tissue Perfusion Khaled Sherlala, MD	DI Lecture 2 Imaging HCC and cholangiocarcinoma Bachir Taouli, MD		MI Lecture 2 PET imaging in prostate cancer Stefano Fanti, MD	ROBP Lecture 2 Assessment of low –energy protons for IORT at KFSH&RC Belal Mofteh, PhD	RP Lecture 2 The Bonn Call for actions Maria Perez, MD
2:05-2:30 PM	NR Lecture 3 Common Pitfalls in Head & Neck Imaging Suresh Mukherji, MD	DI Lecture 3 Radioembolization of HCC; State of art science Riad Salem, MD		MI Lecture 3 PET/MR role in pelvic tumors and prostate cancer Thomas Hope, MD	ROBP Lecture 3 HPV and Outcome of Cancer Treatment Ghazi Alsbeih, MD, PhD	RP Lecture 3 Radiation Risk - Realities and Myths Gary Sayed, PhD
2:30-2:55 PM	NR Lecture 4 Vein of Galen malformations in children: interventional management Jo Bhattacharya, MD	DI Lecture 4 Imaging follow-up after radioembolization Riad Salem, MD		MI Lecture 4 PETCT imaging in head and neck cancer Gustav von Schulthess, MD	ROBP Lecture 4 Radiobiology of the Prodromal Responses and Acute Radiation Syndrome David Lloyd, PhD	RP Lecture 4 Role of SSDL in the traceability of radiation measurement Mehenna Arib, PhD
2:55-3:20 PM		DI Lecture 5 HCC response to therapy Bachir Taouli, MD			ROBP Lecture 5 The evolving state of MRI in Radiation Oncology James Balter, PhD	

3:20-3:40 PM	NR Lecture 5 Transcranial MR Guided High Intensity Focused Ultrasound Treatment of Essential Tremor Pejman Ghanouni, MD	DI Lecture 6 Radioembolization of chemorefractory liver metastasis Riad Salem, MD		MI Lecture 5 Dedicated breast PET imaging (dbPET): Clinical applications Michel Herranz, MD	ROBP Lecture 6 The purpose and advantages of electronic health records in radiation oncology Carl Bogardus, MD	Discussion
3:40-4:00 PM	Prayer and Coffee Break					
4:00-5:30 PM	Session 9: Parallel Tracks II			Session 9: Panel Discussions		
	Session 9 A: Lung Cancer Screening Chairpersons: Khaled Kattan, MD Mashael Alrujaib, MD	Session 9 B: CT Cardiac Level 1 Chairperson: Mosleh Al Raddadi, MD	Session 9 C: Breast Imaging: Interesting Cases Chairpersons: Yassir Asseri, MD, Abdulrahim Alsuhaili, MD	Session 9 D: Innovative Approaches in Medical Imaging Chairpersons: Francis Scholz, MD & Richard Gore, MD	Session 9 E: Innovative Approaches in Radiation Oncology, Biology, and Physics Chairpersons: Hussain Alhussain, MD and Abdullah Alrushood, PhD	Session 9 F: Radiation Protection Chairpersons: Gary Sayed, PhD and Rachid Machrafi, PhD
Venue	KFH (CR1)	KFH (CR2)	KFH (Auditorium)	KFH (CR3)	Intercontinental (Hall C)	KFH (Round Table)
4:00-4:10 PM	DI Lecture 1 Missed lung cancer, hiding in plain sight Eric Stern, MD	L9: Clinical Cases  Ben Ariff, MD	BI PD1 Breast imaging 1 Craig Thiessen, MD	DI PD1 Suresh Mukherji, MD	ROBP PD1 New Developments in Biological Dosimetry David Lloyd, PhD	RP PD1 The importance of radiation protection in Medicine Maria Perez, MD
4:10-4:20 PM				DI PD2 Howard Rowley, MD	ROBP PD2 Electronic health records: impact on accuracy and safety in radiation oncology Carl Bogardus, MD	RP PD2 The role of Regulatory Bodies in Radiation Protection Debbie Gilley, MSc
4:20-4:30 PM	DI Lecture 2 Low dose CT for lung cancer screening: protocol and technique Mini Pakkal, MD		BI PD2 Breast imaging 2 Michel Herranz, MD	DI PD3 Anwar Padhani, MD	ROBP PD3 Proton therapy: scanning versus passive techniques Armin Langenegger, MEng	RP PD3 The National Regulation for importing medical equipment Ali Al Dalaan, MBA-IT
4:30-4:40 PM				DI PD4 Pejman Ghanouni, MD	ROBP PD4 Breast IORT: is it of value or selection bias? Robert Hermann, MD	RP PD4 The Saudi Arabia Licensing process Mohamed Garwan, PhD
4:40-4:50 PM	DI Lecture 3 RadLung Lexicon Eric Stern, MD		BI PD3 Breast imaging 3 Haris Kudrolli, PhD	DI PD5 Perry Pickardt, MD	ROBP PD5 motion management James Balter, PhD	RP PD5 Radiation protection program within the MOH Musaed Almalki, PhD
4:50-5:00 PM				DI PD6 Riad Salem, MD	ROBP PD6 Biologically targeted radiotherapy - a new era in external beam radiation therapy Mohammed Saiful Huq, PhD	RP PD6 Academic Radiation safety program Mohamad AlJohani, PhD
5:00-5:10 PM	DI Lecture 4 RFA of lung tumors Paras Dalal, MD		Discussion All Panelist	DI PD7 kartik Jhaveri, MD	ROBP PD7 Peter Balter, PhD	RP PD7 Is the calibration of radiation measuring instrument mandatory for radiation protection? Mehenna Arib, PhD
5:10-5:20 PM				DI PD8 Thomas Hope, MD	ROBP PD8 Melissa Martin, MSc	Discussion All Panelists
5:20-5:30 PM	Discussion All Panelists			Discussion All Panelist	Discussion All Panelists	
Special Dinner (by Invitation)						
7:30-09:30 PM	Special Dinner Sponsored by The Sea Food Restaurants					

# Tuesday, 23 February 2016

7:00–8:00 AM	On-Site Registration Venue: Intercontinental Hotel										
8:00-9:30 AM	Session 10										
Code	NRC1	DIC1	DIW1	DIW2	NMC1	MPC2	RPW1	ROC2-RBC2	GTW1	GTW2	
Activity Type	CEC	CEC	CEC	Workshop	CEC	CEC	CEC	CEC	CEC	Workshop	
Title	Advances in Neuroradiology	Advanced Imaging Techniques	Advanced Oncologic Imaging	CT Cardiac Level 1	Molecular Imaging	Shielding in Radiation Therapy Facilities	Radiation Safety Refresher	Topics in Radiation Oncology and Biology	Introduction to Radiation Medicine	Scientific Writing & Publishing	
Venue	KFH (CR5)	KFH (CR4)	KFH (Auditorium)	KFH (CR2)	Intercontinental (Hall A)	Intercontinental (Hall C)	KFH (Round Table)	KFH (CR3)	KFH (CR1)	KFH (CR6)	
Coordinator	Irfan Mamoun, MD	Kadria El-Haddad, MD	Meshal Alshaalan, MD	Mosleh Al Raddadi, MD	Mahmoud Tuli, MD	Shada Wadi-Ramahi, PhD	Mehenna Arib, PhD	Mohammad Al-Shabanah, MD	Belal Moftah, PhD	Edward Devol, PhD	
Chairperson(s)	Makki Al Muntasheri, MD and Salma Qutab, MD	Mohammed Alzoum, MD and Mohammad Badran, MD	Nizar Nakshabandi, MD and Meshal Alshaalan, MD	Mosleh Al Raddadi, MD	Mohamad Alharbi, MD, Ahmed Alenezi, PhD	Waleed Alnajjar, PhD	Salama Rahma, MSc and Muaadh AlAsbahi, BSc	Majid Al-Othman, MD and Maha Alidrisi, MD	Khalid Al-Yousef, PhD and Yasser Barakaty, MSc	Edward Devol, PhD	
8:00-8:20 AM	L4: Neonatal Brain MRI Manohar Shroff, MD	L4: DCE MRI Anwar Padhani, MD	L18: Imaging of Soft Tissue Tumors Asif Saifuddin, MD	L10: Pulmonary Hypertension Ben Ariff, MD	L4: New PET/CT system technologies Craig Levin, PhD	L1: Radiation facility shielding – Linear accelerator Melissa Martin, MSc	L17: Radiation protection in diagnostic radiology I Harry Delis, PhD	L1: Era of altered fractionation Rana Mahmoud, MD	L5: Radiation Oncology: Clinical Aspect Mohammad Alshabanah, MD	L5: Storing, choosing, and styling references Edward Devol, PhD	
8:20-8:40 AM	L5: Sinonasal Neoplasms Suresh Mukherji, MD		L19: MRI and CT in Characterization of primary Bone Tumors Asif Saifuddin, MD	L11: Clinical cases: Ben Ariff, MD	L5: Distinguishing normal from abnormal in PET to optimize specificity Gustav von Schulthess, MD		L18: Dose reduction in diagnostic radiology Mahmoud Ahmed, BSc	L19: DRLs: initiatives to reduce unnecessary exposures in diagnostic radiology Saad Aldelajjan, MSc	L2: Volumetric-modulated arc therapy (VMAT) versus 3D-conformal radiation therapy in mediastinal Hodgkin's Lymphoma: Dosimetric study Yasser Khafaga, MD	L6: Radiation Oncology: Physics Aspect Salah Bamajboor, MSc	L6: Revising the first draft: content and structure Edward Devol, PhD
8:40-9:00 AM	L6: Cerebral Sinovenous Thrombosis Manohar Shroff, MD		L5: DWI in abdomen And pelvis Bachir Taouli, MD	L20: HIFU application in bone lesions Pejman Ghanouni, MD	L6: PET/CT in lung cancer Barry Siegel, MD		L20: Compiling an Arabic Book on Quality Control Tests of Medical Radiation Imaging Equipment Talal salim, BSc	L4: Dose-volume characteristics in image-guided brachytherapy of cervical cancer Noha Jastaniyah, MD	L3: Role of Stereotactic Radiotherapy in Colorectal Cancer Abdullah Alsuhaibani, MD	L7: Nuclear Medicine: Clinical Aspect Ahmad Almuhaideb, MD	L7: Revising the second draft: style Edward Devol, PhD
9:00-9:20 AM	L6: Cerebral Sinovenous Thrombosis Manohar Shroff, MD	L5: DWI in abdomen And pelvis Bachir Taouli, MD	L20: HIFU application in bone lesions Pejman Ghanouni, MD	L6: PET/CT in lung cancer Barry Siegel, MD	L20: Compiling an Arabic Book on Quality Control Tests of Medical Radiation Imaging Equipment Talal salim, BSc	L4: Dose-volume characteristics in image-guided brachytherapy of cervical cancer Noha Jastaniyah, MD	L3: Role of Stereotactic Radiotherapy in Colorectal Cancer Abdullah Alsuhaibani, MD	L7: Nuclear Medicine: Clinical Aspect Ahmad Almuhaideb, MD	L7: Revising the second draft: style Edward Devol, PhD		
9:20-9:30 AM	L6: Cerebral Sinovenous Thrombosis Manohar Shroff, MD	L5: DWI in abdomen And pelvis Bachir Taouli, MD	L20: HIFU application in bone lesions Pejman Ghanouni, MD	L6: PET/CT in lung cancer Barry Siegel, MD	L20: Compiling an Arabic Book on Quality Control Tests of Medical Radiation Imaging Equipment Talal salim, BSc	L4: Dose-volume characteristics in image-guided brachytherapy of cervical cancer Noha Jastaniyah, MD	L3: Role of Stereotactic Radiotherapy in Colorectal Cancer Abdullah Alsuhaibani, MD	L7: Nuclear Medicine: Clinical Aspect Ahmad Almuhaideb, MD	L7: Revising the second draft: style Edward Devol, PhD		
9:30-9:45 AM	Coffee Break										
9:45 AM -12:15 PM	Session 11: Plenary Keynote Lectures II Venue: KFH (Auditorium) Chairpersons: Khaled Alkattan, MD and Salahudin Elnaas, MD										
9:45 -10:05 AM	PKN Lecture 5 Risk assessment and culture of safety in Radiation Oncology Mohammed Saiful Huq, PhD										
10:05 -10:25 AM	PKN Lecture 6 Supporting radiation protection and safety in medical uses of radiation Debbie Gilley, MSc										

10:25 -10:45 AM	<b>PKN Lecture 7</b> Impact of PET imaging in Oncology Practice Stefano Fanti, MD
10:45 -11:05 AM	<b>PKN Lecture 8</b> The Polonium-210 Poisoning Case in London 2006 David Lloyd, PhD
11:05 -11:25 AM	<b>PKN Lecture 9</b> New Staging of lung cancer Peter Goldstraw, MD
11:25 -11:45 AM	<b>PKN Lecture 10</b> Assessing treatment response in oncology: roles of CT and MRI Marilyn Siegel, MD
11:45 AM -12:05 PM	<b>PKN Lecture 11</b> Recent advances in transplant medicine Dieter Broering, MD
12:05 – 12:15 PM	<b>Discussion</b>
12:15-1:15 PM	<b>Prayer and Lunch Break</b>

**Session 12: Parallel Tracks III**

1:15-3:30 PM	Session 12 A: Neuroradiology Case-Based Review Chairpersons: Irfan Mamoun, MD and Khalid AlAhmadi, MD	Session 12 B: Diagnostic & Interventional Radiology III (Chest) Chairpersons: Khaled Kattan, MD and Lamia Jamjoom, MD	Session 12 C: Diagnostic & Interventional Radiology III (Transplant I) Chairpersons: Deiter Broering, MD and Hamad Alsuhaibani, MD	Session 12 D: CT Cardiac Level 1 Chairperson: Mosleh Al Raddadi, MD	Session 12 E: Molecular Imaging Chairpersons: Nadia Batawil, MD, Abdurahman Al Hawass, MD	Session 12 F: Radiation, Biology, and Biodosimetry Chairpersons: Anan Alkarmi, PhD and Abdelilah Aboussekhra, PhD	Session 12 G: Medical Physics Chairpersons: Saif AlThagafi MD, and Fathi Saeedi PhD	Session 12 H: Radiation Protection Chairpersons: Maria del Rosario Perez, MD and Harry Delis, PhD
Venue	KFH (CR5)	KFH (Auditorium)	KFH (CR1)	KFH (CR2)	Intercontinental (Hall A)	KFH (CR3)	Intercontinental (Hall C)	KFH (Round Table)
1:15-1:35 PM	NR Case-based review 1 Pediatric Head & Neck Cases Suresh Mukherji, MD	DI Lecture 1a Pulmonary metastatic disease Aletta Frazier, MD	DI Lecture 1b Imaging requirements before and after living liver donation: a surgeon's perspective Markus Boehnert, MD	L12: Clinical cases: Ben Ariff, MD	MI Lecture 6 PET imaging in gynecological cancers Barry Siegel, MD	RB Lecture 6 National biodosimetry laboratory Ghazi Alsbeih, MD, PhD	MP Lecture 1 Small field dosimetry: Challenges and the new IAEA-AAPM Code of Practice Mohammed Saiful Huq, PhD	RP Lecture 5 Safe Handling of radioactive Waste Rachid Machrafi, PhD
1:35-1:55 PM		DI Lecture 2a Staging of thoracic malignancies other than lung Peter Goldstraw, MD	DI Lecture 2b Radiological interventions of bile duct complications in liver transplantation Nasir Siddiqi, MD		MI Lecture 7 PET imaging in neuroendocrine tumors Stefano Fanti, MD	RB Lecture 7 How Biodosimetry Can Respond to a Mass Casualties Radiation Event David Lloyd, PhD	MP Lecture 2 Comparison of dose calculation algorithms in treatment planning systems Moyed Miften, PhD	
1:55--2:15PM		DI Lecture 3a Cardiac masses Aletta Frazier, MD	DI Lecture 3b Diagnostic and interventional radiology in pediatric liver transplantation Talal Al Goufi, MD		MI Lecture 8 PET/MR in neuroendocrine tumors Thomas Hope, MD	RB Lecture 8 Biological Dosimetry in Radiation Accidents - Some Case Studies David Lloyd, PhD	MP Lecture 3 Update on AAPM TG51 protocol Mohammed Saiful Huq, PhD	



2:15-2:35 PM	NR Case-based review 2 Pediatric Spine–Acquired diseases  Manohar Shroff, MD		DI Lecture 4b Radiological diagnosis and treatment of HCC in patients on the transplant waiting list Nasir Siddiqi, MD		MI Lecture 9 PET imaging in therapy monitoring Barry Siegel, MD		MP Lecture 4 innovations in respiratory monitoring; wii remote vs gating Peter Balter, PhD	RP Lecture 7 Accidents related to Transportation of radioactive material Abdulrahman Alarfaj, PhD	
2:35-2:55 PM		DI Lecture 5a CT Glancing at Congenital Heart Disease Amr Ajan, MD				RB Lecture 9 Cytogenetic Biodosimetry Analysis among Underground Water Wells Workers in Saudi Arabia Entissar AISuhaibani, PhD	MP Lecture 5 Radiation facility shielding – PET-CT shielding Mark Madsen, PhD		
2:55-3:15 PM		DI Lecture 6a Pulmonary Hypertension  Aletta Frazier, MD	DI Lecture 5b Use of hepatocyte specific contrast in the evaluation of liver transplant Ahmed Ba-Ssalamah, MD		MI Lecture 10 PET imaging in oncology: beyond FDG Stefano Fanti, MD		RB Lecture 10 Adaptive response in high background radiation areas in Saudi Arabia Entissar AISuhaibani, PhD		MP Lecture 6 Patient Dosimetry in Diagnostic Radiology Harry Delis, PhD
3:15-3:30 PM		DI Lecture 7a Chronic thromboembolic pulmonary hypertension Mashaal Alrujaib, MD			MI Lecture 11 Beyond [18F]FDG Radiotracers for PET Facilities at KFSH&RC Mohammed Alqahtani, PhD		RB Lecture 11 Effect of ionizing radiation on tumor microenvironment Abdelilah Aboussekhra, PhD		MP Lecture 7 CT dose measurements and their pitfalls Kostas Chantziantonou, MSc
3:30-4:00 PM	Prayer and Coffee Break								

**Session 13: Parallel Tracks IV**

4:00-5:50 PM	Session 13 A: Diagnostic & Interventional Radiology Abstracts and Work in Progress Chairpersons: Mohamed Abubacker, MD and Fida Alaeddin, MD	Session 13 B: Advanced Imaging Techniques (Transplant II) Chairpersons: Deiter Broering, MD	Session 13 C: CT Cardiac Level 1 Chairperson: Mosleh Al Raddadi, MD	Session 13 D: Medical Physics Abstracts Chairpersons: Tamadur Al-Rammah, PhD and Khalid Alsafi, PhD	Session 13 E: Nuclear Medicine Abstracts Chairpersons: Salem Sassi, PhD and Ahmad Albuai, MD	Session 13 F: Radiation Oncology Abstracts Chairpersons: Ali Alzahrani, MD and Ali Balbaid, MD	Session 13 G: Radiobiology Abstracts Chairpersons: Ibrahim Al-Anazi, MSc and Najla Al-Harbi, BSc	Session 13 H: Radiation Protection Abstracts Chairpersons: Abdulkadir Alaydarous, PhD and Gary Sayed, PhD
Venue	KFH (CR1)	KFH (Auditorium)	KFH (CR2)	Intercontinental (Hall C)	Intercontinental (Hall A)	KFH (CR3)	KFH (CR4)	KFH (Round Table)
4:00-4:10 PM	DI Abstract 1 Crohn-like Lymphocytic Reaction in Colon Cancer: A Different Cancer Appearance (Abstract#0045) Francis Scholz, Pauley Chea	DI Lecture 1 Imaging before and after kidney transplant: a surgeon's perspective Syed Raza, MD	L13: Aortic Valve, TAVI, Prosthetic Valves Ben Ariff, MD	MP Abstract 1 Tomosynthesis Imaging System Using Gamma radiography (Abstract#0075) Ezzat Elmoujarkach, Eslam Taha, Essam Banoqitah, Abdalmajeid Alyassin	NM Abstract 1 Lungs Detection in Ventilation and Perfusion Scintigraphy using Watershed Transform (Abstract#0024) Yousif Abdallah	RO Abstract 1 Comparison of tomotherapy and rapidarc in hippocampus sparing brain radiotherapy in pediatrics (Abstract#0144) Mohamed Nazmy, Ghadeer Nazer, Amr Mousa, Belal Moftah, Yasser Khafaga	RB Abstract 1 Role of HPV Infection and Integration in Cervical, Colorectal, Breast and Head & Neck Cancers in Saudi Arabia (Abstract#84) Najla Al-Harbi, Sara Elewisy, Sara Bin Judia, Jenelyn Castro, Aisha Al-Qarni, Wejdan Al-Qahtani, Sherifa Hamed, Hadeel Almanea, Hatim Khoja, Asma Tulbah, Nasser Alrajhi, Ghazi Alsbeih	RP Abstract 1 The KFSH&RC Secondary Standard Dosimetry Laboratory Calibration and Measurements Capabilities (Abstract#0100) Mehenna Arib, Omar Noor, Fareed Mahyoub, Abdallah Al-Kafi, Faisal Alzorkany, Waleed Al-Najjar, Belal Moftah, Heba Al-Humaidan, Huda Al-Ghamdi

4:10-4:20 PM	<p><b>DI Abstract 2</b>  <b>Complexity Analysis Of Dynamic Contrast Enhanced DCE-MRI Of The Breast</b>          (Abstract#0012)  <u>Rooa Sindi, Trevor Ahearn</u></p>			<p><b>MP Abstract 2</b>  <b>Lu-177 dotatate dosimetry for neuroendocrine tumor: single center experience (Abstract#0149)</b>  <u>Mohamad Aminudin Said, Boon Nang Lee, Rafidah Zainon</u></p>	<p><b>NM Abstract 2</b>  <b>Image Quality Enhancement by the Reduction of Scattered Gamma Photons with Material Filter Technique in Tc-99m Cardiac SPECT: Phantom Study (Abstract#0049)</b>  <u>Inayatullah Shah Sayed, Mohd Zamzuri Che Daud, Nurul Farizan Mohd Zulkele, Nazifah Abdullah, Norhanna Sohaimi, Muhammad Shahrir Abdul Rahim</u></p>	<p><b>RO Abstract 2</b>  <b>KFSH&amp;RC experience: statistics of patients treated by intraoperative radiation therapy (IORT) using Mobetron® (Abstract#0111)</b>  <u>Shada Wadi-Ramahi, Abdullah Alsuhaibani, Belal Mofteh</u></p>	<p><b>RB Abstract 2</b>  <b>In vitro effect of low level ionizing radiation on endothelial progenitor cells from atherosclerotic patients with lower limb ischemia (Abstract#44)</b>  <u>Mohamed EL batanouny, Hoda El-sayed, Soheir Korraa, Eman Rabo</u></p>	<p><b>RP Abstract 2</b>  <b>BioChroma - A new and patented technology for processing radioactive wastewater from nuclear medicine therapy facilities in hospitals and clinics (Abstract#0013)</b>  <u>Jose Canga-Rodriguez</u></p>
4:20-4:30 PM	<p><b>DI Abstract 3</b>  <b>WIP: Is there a middle paraduodenal hernia?</b>          (Abstract#0046)  <u>Francis Scholz, Sri Anandan</u></p>			<p><b>MP Abstract 3</b>  <b>Accurate and easy image guidance tracking in CyberKnife patient QA using new crystal-ball 3D dosimetry system (Abstract#0130)</b>  <u>Marek J. Maryanski, Sarah Bull, Robert Masino, Ellen Wilcox, George Daskalov, Akram Almoussa, Abdullah Alkafi, Belal Mofteh</u></p>	<p><b>NM Abstract 3</b>  <b>Vitamin D Deficiency and Myocardial Ischemia on Single-Photon Emission Computed Tomography (SPECT) on Saudi Patients at KAMC Between 2010-2012 (Abstract#0060)</b>  <u>Mouaz Al-Mallah, Tasneem AlNashwan, Hanin Almuzaini, Haneen AlKobaidan</u></p>	<p><b>RO Abstract 3</b>  <b>Late Genitourinary (GU) Grade III or higher (&gt;G3) Toxicity following stereotactic body radiotherapy (SBRT) for clinically localized early stage prostate cancer (Abstract#0021)</b>  <u>Soha Ahmed</u></p>	<p><b>RB Abstract 3</b>  <b>National Biodosimetry Laboratory for the Assessment of Radiation Overexposure in Saudi Arabia (Abstract#82)</b>  <u>Sara Elewisy, Khaled Al-Hadyan, Najla Al-Harbi, Sara Bin Judia, Jenelyn Castro, Krishnanand Mishra, Belal Mofteh, Ghazi Alsbeih</u></p>	<p><b>RP Abstract 3</b>  <b>New Approach to Neutron Spectrometry with Multi-element Scintillators (Abstract#0090)</b>  <u>Rachid Machrafi, Alex Miller</u></p>
4:30-4:40 PM	<p><b>DI Abstract 4</b>  <b>Effectiveness of natural oral contrast agents in magnetic resonance imaging of the bowel</b>          (Abstract#0048)  <u>Naglaa Elsayed, Shaykha Alsalem, Sultan Almugbel, Manal Alsuhami</u></p>	<p><b>DI Lecture 2</b>  <b>Radiological interventions before and after kidney transplant</b>  <u>Shagran Binkhamis, MD</u></p>		<p><b>MP Abstract 4</b>  <b>Dosimetry comparison of advanced external beam radiation treatment modalities to brachytherapy treatments in patients with cervical cancer (Abstract#0154)</b>  <u>Umar Mwidu, Slobodan Devic, Mamoun Shehadeh, MD Abdullah Alkafi, Rana Mahmood, Belal Mofteh</u></p>	<p><b>RO Abstract 4</b>  <b>Assessment of uterine perforation and its dosimetric effects in image-guided HDR brachytherapy for cervical cancer (Abstract#0061)</b>  <u>Yasir Bahadur, Ashraf Hassouna, Maha Eltaher, Mohammad Attar, Camelia Constantinescu</u></p>	<p><b>RB Abstract 4</b>  <b>Biological and Health Effects of RF/MW Radiation on the Liver of Albino Rats (Abstract#147)</b>  <u>Abdelfatah Mohamed Ahmed, Abdelkarem sabir Ali, alssidig Tawer Kafi</u></p>	<p><b>RP Abstract 4</b>  <b>Shielding Verification of Radiological Facilities in the newly Established King Abdullah Center for Oncology and Liver Diseases (KACO&amp;LD) (Abstract#0093)</b>  <u>Omar Noor, Omer Demirkaya, Fareed Mayhoub, Mehenna Arib, Refaat Al-Mazrou, Belal Mofteh, Celestino Lagarde</u></p>	
4:40-4:50 PM	<p><b>DI Abstract 5</b>  <b>Accuracy of CT-Colonography measurements: implication upon synchronous lesion localization and incomplete colonoscopy predictive factors</b>          (Abstract#0050)  <u>Mohamed sheriff Elsharkawy</u></p>		<p><b>L14: Clinical cases:</b>   <u>Ben Ariff, MD</u></p>	<p><b>MP Abstract 5</b>  <b>Validation of an atlas consistent with RTOG for automated contouring in radiotherapy planning for high-risk prostate cancers (Abstract#0053)</b>  <u>Adly Naga, Yasir Bahadur, Camelia Constantinescu, Maha Eltaher, Mohammad Attar</u></p>	<p><b>NM Abstract 4</b>  <b>Segmentation of Salivary Glands in Nuclear medicine Images Using Edge Detection Tools (Abstract#0072)</b>  <u>Yousif Abdallah</u></p>	<p><b>RO Abstract 5</b>  <b>Stereotactic radiotherapy for localized prostate cancer, which is better Cyberknife or Rapid Arc? (Abstract#0088)</b>  <u>Mohamed Hegazy, Rana Mahmood, Belal Mofteh, Ahmed Nobah, Faisal Alzorkani</u></p>	<p><b>RB Abstract 5</b>  <b>The safety of Using Irradiation to Improve Yield and Nutritional Constituents of Sorghum (Sorghum bicolor), Using Albino Rats Fed on them as a Biomarkers (Abstract#67)</b>  <u>Mutaman Kehail, Yagoub Ali, Noha Mohamed, Yasir Abdelrahim</u></p>	<p><b>RP Abstract 5</b>  <b>Practical considerations for experimental neutron dose estimation in high-energy photon fields at medical linear accelerators (Abstract#0127)</b>  <u>Zohra Lounis-Mokrani, Abdelwaheb Badreddine, Mounir Aitziene, Djamila Mebhah</u></p>
4:50-5:00 PM	<p><b>DI Abstract 6</b>  <b>Feasibility study of mammography imaging using gamma rays</b>          (Abstract#0065)  <u>Eslam Taha, Abdalmajeid Alyassin</u></p>	<p><b>DI Lecture 3</b>  <b>Imaging requirements before and after pancreas transplant: a surgeon's perspective</b>  <u>Jens Brockmann, MD</u></p>		<p><b>MP Abstract 6</b>  <b>Dose distribution and dose enhancement by using gadolinium nanoparticles implant in brain tumor in stereotactic brachytherapy (Abstract#0062)</b>  <u>Essam Banoqitah, Fathi Djouider</u></p>	<p><b>NM Abstract 5</b>  <b>Role of 18F-FDG PET/CT in staging and response to therapy assessment for primary parotid adamantinoma-like Ewing's sarcoma - First case (Abstract#0078)</b>  <u>Faisal AlSugair, Abdul Rahman AlNaim, Riyadh AlSalloum, Mohei Abouzeid, Zubair Khan</u></p>	<p><b>RO Abstract 6</b>  <b>The use of Intraoperative electron-beam radiation therapy (IOERT) in multimodality approach. A single institution experience (Abstract#0138)</b>  <u>Abdullah Alsuhaibani, Ahmed Elashwah, Mohammad Breakeit, Rana Mahmood, Noha Jastaniyah, Shada Wadi-Ramahi, Luai Ashari, Ayman Azzam, Ali Alzahrani, Muhammad Hussain, Hind Alselham, Sameha Pickford, Zeinab Hassan, Belal Mofteh, Mohammed Mohiuddin, Tarek Amin</u></p>	<p><b>RB Abstract 6</b>  <u>Lina Hammad, PhD</u></p>	<p><b>RP Abstract 6</b>  <b>Decommissioning of radiopharmaceutical production facility (Abstract#0161)</b>  <u>Salman Miliebari</u></p>

5:00-5:10 PM	<p><b>DI Abstract 7</b> Use of multi-hance dynamic MRI for early detection of HCC in atypical hepatic focal lesions (Abstract#0155) <u>Mahmoud Elsakhawy</u>, Mohamed Al-Gazzar, ohamed Kohla</p>			<p><b>MP Abstract 7</b> Patient-specific IMRT verification using dynamic MLCs log file analysis (Abstract#0071) <u>Alexander Osman</u>, Nabil Maalej, Kunnanchth Jayesh, Wamied Abdel-Rahman</p>	<p>(NET) using peptide receptor radionuclide therapy (PRRT) (Abstract#0094) <u>Abdulrhman Alnaim</u>, Zubair Khan, Abdullah Alharbi, Riyadh Alsalloum, Ahmed Almuhaideb, Abdulaziz Alsugair, Mahmoud Tuli</p>	<p><b>RO Abstract 7</b> Dose escalation with simultaneous Integrated Boost (SIB) using Image guided intensity modulated radiotherapy in rectum cancer (Abstract#0139) <u>Abdullah Alsuhaibani</u>, <u>Ahmed Elashwah</u>, Nasser Alsanea, Rana Mahmood, Mohammed Mohiuddin</p>	<p><b>RB Abstract 7</b> 3-D Gel Dosimetry for Patient Specific QA <u>Akram Almoussa</u>, MSc</p>	<p><b>RP Abstract 7</b> Protecting Palestinian Children from Ionizing Radiation (Abstract#0022) <u>Ahmad Hamdan</u></p>
5:10-5:20 PM	<p><b>DI Abstract 8</b> Patient Radiation Exposure in Interventional urography Imaging Procedures (Abstract#0137) <u>Abdelmoneim Sulieman</u>, Ali Zailae, Hanaa Barakat</p>	<p><b>DI Lecture 4</b> Imaging for lung transplant recipient <u>Paras Dalal</u>, MD</p>		<p><b>MP Abstract 8</b> Dosimetric verification and quality assurance for intensity modulated radiation therapy using GAFCHROMIC® EBT3 film (Abstract#0104) <u>Khalid Iqbal</u></p>	<p><b>NM Abstract 7</b> Utilization of SPECT CT in patients Undergoing Bone Scintigraphy; Our Initial Experience (Abstract#0142) <u>Ahmed Al-Dhafiri</u>, Hasan Al-Zahrani, Ahmed Al-Wadaani, Husain Ahmed, Asif Moinuddin</p>	<p><b>RO Abstract 8</b> Estimation of pneumonitis and long term cardiac mortality for gated radiotherapy with a bootstrap statistical method (Abstract#0015) <u>Abdulhamid Chaikh</u>, Jean-Pierre Bresciani, Jacques Balosso</p>	<p><b>RB Abstract 8</b> Screening of Natural Molecules for Radiation Protection <u>Krishnanand Mishra</u>, PhD</p>	<p><b>RP Abstract 8</b> Development of software for occupational dose assessment, analysis &amp; reporting (Abstract#0029) <u>Mahmoud Ahmed</u></p>
5:20-5:30 PM	<p><b>DI Abstract 9</b> Hippocampal connectivity alterations induced by anti-cancer chemotherapy (Abstract#0077) <u>Wejdan Arif</u></p>			<p><b>MP Abstract 9</b> Measurement of Co-60 high dose rate brachytherapy (HDRB) source strength using the German in-phantom method (Abstract#0141) <u>Hawbir Omar Ghafour</u>, <u>Shada Wadi-Ramahi</u>, Araz Wahbi</p>	<p><b>Discussion</b></p>	<p><b>RO Abstract 9</b> Comparison Homogeneity Index (HI) and Conformity Index of Radiotherapy Planning in 3D-CRT and IMRT for lung cancer with fan beam CT and cone beam CT (Abstract#0118) <u>Muhammad Waliyyulhaq</u>, <u>wahyu Edy Wibowo</u>, Supriyanto Ardjo Pawiro</p>	<p><b>RB Abstract 9</b> HPV and Outcome of Cancer Treatment <u>Ghazi Alsbeih</u>, MD, PhD</p>	<p><b>RP Abstract 9</b> Physical properties of semiconductors radiation detectors by Ab initio study (Abstract#0068) <u>Mohammed Hocine Tedjini</u>, Nouria Aouail, Mohamed Nouredine Belkaid, Abdelaziz Oukebdane</p>
5:30-5:40 PM	<p><b>DI Abstract 10</b> The role of nanotechnology to monitor the delivered dose in radiology and radiation oncology using nano and micro dosimeters (Abstract#0039) <u>Abdulhamid Chaikh</u>, Arnaud Gaudu, Jacques Balosso</p>			<p><b>MP Abstract 10</b> Evaluation of quenching effect in radiochromic film-based proton beam dosimetry (Abstract#0159) <u>Saad Aldelaijan</u>, Faisal Alzorkany, Belal Mofteh, Faisal Alrumayan, Jan Seuntjens, David Lewis, Slobodan Devic</p>	<p><b>Discussion</b></p>	<p><b>RO Abstract 10</b> Optimization of cranio-spinal irradiation for paediatric medulloblastoma using VMAT and IMRT (Abstract#0052) <u>Rolina Al-Wassia</u>, Camelia Constantinescu, Yasir Bahadur, Nisreen Awad, Noor Ghassal, Adly Naga</p>	<p><b>RB Abstract 10</b> Deterministic Effects in CT <u>Ibrahim Al-Anazi</u>, MSc</p>	<p><b>RP Abstract 10</b> Characterization of Neutron Field around a Neutron Generator (Abstract#0102) <u>Laila Alsadah</u>, Rachid Machrafi, Fatimah Al fareed</p>
5:40-5:50 PM	<p><b>Discussion</b></p>	<p><b>Discussion</b></p>	<p><b>L15: Quiz</b> <u>Ben Ariff</u>, MD</p>	<p><b>MP Abstract 11</b> Evaluation of background signal correction for radiochromic film dosimetry (Abstract#0160) <u>Faisal Alzorkany</u>, Saad Aldelaijan, Belal Mofteh, Jan Seuntjens, Nada Tomic, Ivan Buzurovic, Slobodan Devic</p>	<p><b>Discussion</b></p>	<p><b>RO Abstract 11</b> Accurate IMRT fluence verification for prostate cancer patients using 'in-vivo' measured EPID images and in-room acquired kilovoltage cone-beam CT scans (Abstract#0018) <u>Ali Sid Ahmed Mohammed Ali</u>, Maarten Dirkx, Ruud Cools, Ben Heijmen</p>	<p><b>Discussion</b></p>	<p><b>RP Abstract 11</b> Radiation Safety Training in Medicine (Abstract#0106) <u>Ibrahim Duhaini</u></p>
						<p><b>RO Abstract 12</b> Out-of-Field Radiation Organ Dose Measurements and Associated Secondary Cancer Risk Estimation in Patients Treated with Breast Cancer in Lebanon (Abstract#0105) <u>Ibrahim Duhaini</u></p>		
						<p><b>RO Abstract 13</b> Comparison of Beam Parameters of 6MV Flattening-Filter-Free Beams from Varian Clinac Series and Truebeam System (Abstract#0158) <u>Abrar Hussain</u>, Belal Mofteh</p>		

# Wednesday, 24 February 2016

8:00-9:30 AM	Session 14: Continuing Education Courses (Part VII)												
Code	DIW1	DIC2	DIW3	DIW12	NMC2	ROC3- MPC3	RBC3	RPW1	GTW1	GTW2			
Activity Type	Workshop	CEC	Workshop	Workshop	CEC + Workshops	CEC	CEC	CEC	CEC + Workshop	Workshop			
Title	Advanced Oncologic Imaging	Advanced Cardiac Imaging	CT Colonography	MSK Ultrasound	SPECT/CT and PET/CT	Advanced Topics in Radiation Oncology and Physics	Radiobiology and Biodosimetry	Radiation Safety Refresher	Introduction to Radiation Medicine	Scientific Writing & Publishing			
Venue	KFH (Auditorium)	KFH (CR4)	KFH (CR2)	KFH (CR5)	Intercontinental (Hall A)	Intercontinental (Hall C)	KFH (CR3)	KFH (Round Table)	KFH (CR1)	KFH (CR6)			
Coordinator	Faisal Bin Hussain, MD	Mashaal Alrujaib, MD	Halldor Benediktsson, MD	Meshal Alshaalan, MD	Refaat Almazrou, MSc	Shada Wadi-Ramahi, PhD	Ghazi Alsbeih, MD, PhD	Mehenna Arib, PhD	Belal Mofteh, PhD	Edward Devol, PhD			
Chairperson(s)	Hisham Alshalaan, MD and Faisal Bin Hussain, MD	Ahmed AlJazeera, MD and Donya Alhasan, MD	Halldor Benediktsson, MD and Nora Alsoraya, BSc	Meshal Alshaalan, MD	Henri Fielding, PhD, Refaat Al-Mazrou, MSc	Sara Hagi, PhD and Abdulrahman Al Hadab, MD	David Lloyd, PhD and Ibrahim Al-Anazi, MSc	Talal Alsalm, BSc	Abdulraheem Kinsara, PhD and Huda Almohammad, PhD	Edward Devol, PhD			
8:00-8:20 AM	L21: Pediatric adrenal tumors Marilyn Siegel, MD	L1: Myocardial T1 Mapping Ben Ariff, MD	L1-3: Introduction: CT colonography technique for Radiologists  • How to get a good examination to report  • Bowel preparation and fecal tagging  • Patient pathways – who to scan? What technique?  Damian Tolan, MD	L1: Anatomy & Pathology of wrist Eugene McNally, MD	L1: Fundamentals of Emission and Transmission Tomography Mark Madsen, PhD	L1: Radiation oncology: new paradigms and future challenges Mohammed Saiful Huq, PhD	L1: An overview of biological dosimetry David Lloyd, PhD	L21: Radiation safety in nuclear medicine practice Mohammed Bayoumi, PhD	L9: Diagnostic Imaging: Clinical Aspect Kadria El-Haddad, MD	L9: Preparing short talks and posters Edward Devol, PhD			
8:20-8:40 AM	L22: Pediatric renal masses Marilyn Siegel, MD	L2: CT myocardial perfusion Mini Pakkal, MD		L2: Anatomy & Pathology of Hand Eugene McNally, MD		L2: SPECT/CT Instrumentation Mark Madsen, PhD	L2: Plan Competition: An initiative towards better quality Ahmad Nobah, MSc		L2: Factors affecting radiosensitivity Ghazi Alsbeih, MD, PhD	L22: Radiation protection within isotope production facilities AbdulAzeez Akintokun, MSc	L10: Diagnostic Imaging: Physics Aspect Ezzat Abbas, MSc	L10: Writing review articles and book reviews Edward Devol, PhD	
8:40-9:00 AM	L23: Pelvic and presacral masses in children Marilyn Siegel, MD	L3: Fractional flow reserve Ben Ariff, MD		L3: Anatomy & Pathology of Ankle Eugene McNally, MD		L3: SPECT/CT Image Artifacts and Corrections Salem Sassi, PhD	L3: To measure or not to measure: a question for patient-specific IMRT QA Moyed Miften, PhD		L3: How do radioprotectors work Ibrahim Al-Anazi, MSc		L23: The management of safety in iodine therapy Ibrahim Algain, MSc	L11: Radiography Ahnaf Arafah, MBA	L11: Preparing successful grant proposals and curricula vitae Edward Devol, PhD
9:00-9:20 AM	L23: Pelvic and presacral masses in children Marilyn Siegel, MD	L4: T2 mapping/ myocardial edema Mouaz Mallah, MD		L4: Anatomy & Pathology of Foot Eugene McNally, MS		L3: SPECT/CT Image Artifacts and Corrections Salem Sassi, PhD	L4: High-Resolution 3D imaging of radiation dose distributions for quality assurance and treatment verification in radiation oncology Marek Maryanski, PhD		L4: Radioprotective effects of natural antioxidants Krishnanand Mishra, PhD			L23: The management of safety in iodine therapy Ibrahim Algain, MSc	L12: Future Opportunities in Radiation Medicine Gary Sayed, PhD
9:20-9:30 AM	Discussion	Discussion				Discussion			Discussion	Discussion	Discussion	Discussion	Discussion

9:30–9:45 AM	Coffee Break																							
9:45 AM -12:15 PM	<b>Session 15 A: Plenary Keynote Lectures III</b> <b>Venue: KFH (Auditorium)</b> <b>Chairpersons: Mosleh Al Raddadi, MD and Nizar Nakshabandi, MD</b>																<b>Session 15 B: CT Colonography Workshop (DIW12)</b> <b>Venue: KFH (CR5)</b> <b>Chairperson: Halldor Benediktsson, MD</b>							
9:45-10:05 AM	<b>PKN Lecture 12</b> <b>The Digital Dilemma</b> Perry Sprawls, PhD																L4-6: CT colonography interpretation introduction <ul style="list-style-type: none"> <li>• Primary 2D vs. Primary 3D interpretation demonstration</li> <li>• Getting to know your workstation</li> <li>• Normal anatomy, normal variants and complex features</li> <li>• How long before you get good at CTC?</li> </ul> Damian Tolan, MD							
10:05-10:25 AM	<b>PKN Lecture 13</b> <b>New Methods of Assessing Tumor Response to Therapy</b> Richard Gore, MD																							
10:25-10:45 AM	<b>PKN Lecture 14</b> <b>Impact of PET on the management of patients with cancer: what we have learned from NOPR</b> Barry Siegel, MD																							
10:45-11:05 AM	<b>PKN Lecture 15</b> <b>PET-CT in Initial Staging of Head &amp; Neck Cancer</b> Suresh Mukherji, MD																							
11:05-11:25 AM	<b>PKN Lecture 16</b> <b>PET/MR – Facts and fictions</b> Gustav von Schulthess, MD																							
11:25-11:45 AM	<b>PKN Lecture 17</b> <b>Cardiac Tumor Imaging</b> Theodore Dubinsky, MD																							
11:45 AM-12:05 PM	<b>PKN Lecture 18</b> <b>Virtual Colonoscopy</b> Perry Pickhardt, MD																							
12:05-12:20 PM	<h2 style="text-align: center;">Closing Ceremony</h2> <p style="text-align: center;"><b>Closing Remarks:</b> Sultan AISedairy, PhD – Executive Director, Research Centre, KFSH&amp;RC, Riyadh  <b>Venue:</b> KFH (Auditorium)</p>																							
12:20-1:15 PM	Prayer and Lunch Break																							
1:00 PM	Bus Pick-up from King Faisal Hall to King Faisal Specialist Hospital & Research Centre																							

### Workshops Session 1 (1:15-3:30 PM)

Code	DIW3	DIW4	DIW8	DIW11	DIW12	DIW13	DIW14	DIW15	DIW18	DIW22	DIW24	DIW27	DIW28	NMW1	NMW2	NMW3	NRW1	MPW1	MPW5	MPW8	RPW2	RPW3	RBW2	ROW1	GTW1
Activity Type	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop
Title	CT Colonography: Colon cancer rad/path review	How to set up for Transarterial Hepatic Radioembolization Practice	Upper and Lower GI Disease Imaging	Trans-catheter aortic valve implantation (TAVI)	MSK Ultrasound workshop	Utilization of Primovist™ in Liver and Biliary Disorder (MasterClass)	Dual energy CT	Functional MRI	Transcranial Doppler US	Pleural US biopsy and drainage	QC in Digital Mammography	The Role of Embolization in Body Intervention	Advances in screening and diagnostic procedures (Tomosynthesis and Contrast-Enhanced Spectral Mammography)	Read with Expert: Challenging Oncologic and Cardiac PET/CT cases	PET/CT Quality Control Workshop	SPECT/CT Quality Control Workshop	Neuro Head & Neck read with experts	Introduction to Treatment Planning	Quality Assurance for CT-Sim	Shielding calculation for radiation facilities	Transportation of Radioactive Material & I-131 Therapy Applications	Radiation Detection and Measurements	Radiobiology	HDR Brachy	Introduction to Radiation Medicine
Venue	KFH (CR2)	KFSHRC (Post-Graduate Center Room#5)	KFSHRC (Post-Graduate Center Room#4)	KFSHRC Research Center (Biomedical Physics Conference Room)	KFH (CR5)	KFSHRC (Post-Graduate Center Auditorium)	KFSHRC (Radiology Dep. GE Lightspeed CT Room#1)	KFSHRC (Radiology Dep. Radiology Conference Room)	KFSHRC (Radiology Dep. Ultrasound room#2 and Room#3)	KFSHRC (Post-Graduate Center Room#7)	KFSHRC (Post-Graduate Center Room#1)	KFSHRC (Radiology Dep. Radiology Meeting Room)	KFSHRC Research Center (RC Executive Room)	KFH (CR3)	KFSHRC (Post-Graduate Center Room#3)	KFSHRC (Post-Graduate Center Room#3)	KFH (CR4)	KFSHRC Oncology Center (Oncology Conference Room)	KFSHRC Oncology Center (Radiation Therapy Dep. CT-Sim)	KFSHRC Research Center (Room#304)	KFSHRC (East wing)	KFSHRC Research Center (Cyclotron)	KFSHRC Research Center (Biomedical Physics Dep. Room B29)	KFSHRC Oncology Center (Oncology Lecture Room)	KFSHRC (In front of King Salman Auditorium)
Coordinator	N. alsoraya	H. Alsuhaibani	F. Scholz	M. Alrujaib	M. Alshaalan	B. Almutairi	S. Al Enazi	A. Masawi	M. Mustafa	M. Al Raddadi	M. Abudhais	M. Fleet	M. Abudhais	A. Fathala	O. Demirkaya	R. AlMazrou	I. Mamoun	G. Nazer	H. Al-Selham	W. AlNajjar	F. Mahyoub	R. Machrafi	N. Al-Harb	N. Jastaniyah	R. AlMazrou
Faculty	D. Tolan	H. Alsuhaibani	R. Gore P. Pickhardt T. Dubinsky F. Scholz	M. Mallah	E. McNally	A. Ba-Ssalammah	H. Al Twaibri R. Odin A. Moussally	J. Al-Ghamdi R. Mohtasib A. AlZahrani M. AlDhuwaila A. Al Dossari	F. Bin Hussain A. Al Qatie R. Mohtasib A. AlZahrani M. AlDhuwaila A. Al Dossari	P. Dalal	C. Hunold J. Heckel M. Abudhais N. Khoumais A. Ashmawy	Mustafa Fleet	N. Khoumais N. Qasem G. Kamalvand M. Abudhais M. Muncada	S. Fanti B. Slegal G. Schulthess M. Alzayed A. Almuhaideb	O. Demirkaya C. Levin R. Parker	R. AlMazrou S. Sassi M. Madsen H. Mosally	S. Mukherji	G. Nazer	H. Al-Selham	M. Martin M. Madsen	C. Lagarde	O. Noor N. Al-Edan	G. Alsbeih K. Mishra M. Al-Buhairi S. Bin Judia S. Elewisly J. Castro	N. Jastaniyah S. Wadi-Ramahi M. Hegazy U. Mwidu S. Aldelajjan	R. AlMazrou

### Workshops Session 2 (4:00-5:50 PM)

Code	DIW3	DIW5	DIW8	DIW11	DIW12	DIW13	DIW14	DIW15	DIW25	NMW1	NMW2	NMW3	NRW1	MPW2	MPW4	MPW6	MPW8	RPW2	RPW3	RBW2	ROW1	GTW1
------	------	------	------	-------	-------	-------	-------	-------	-------	------	------	------	------	------	------	------	------	------	------	------	------	------

Activity Type	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop
Title	CT Colonography: Large polyps • What polyps to report on CT colonography examinations  Questions and Summary	Interventional Palliative procedures	Upper and Lower GI Disease Imaging	Trans-catheter aortic valve implantation (TAVI)	MSK Ultrasound workshop	Utilization of Primovist™ in Liver and Biliary Disorder (MasterClass)	Dual energy CT	Functional MRI	Shearwave Elastography Ultrasound Workshop (Assessment of Liver Fibrosis)	Read with Expert: Challenging Oncologic and Cardiac PET/CT cases	PET/CT Quality Control	SPECT/CT Quality Control	Neuro Spine read with experts	Quality Assurance for High Dose Rate Brachytherapy (HDRB)	Advanced Planning Techniques	Quality Assurance for CT	Shielding calculation for radiation facilities	Transportation of Radioactive Material & I-131 Therapy Applications	Radiation Detection and Measurements	Radiobiology	HDR Brachy	Introduction to Radiation Medicine
Venue	KFH (CR2)	KFSHRC (Post-Graduate Center Room#7)	KFSHRC (Post-Graduate Center Room#4)	KFSHRC (Biomedical Physics Conference Room)	KFH (CR5)	KFSHRC (Post-Graduate Center Auditorium)	KFSHRC (Radiology Dep. GE Lightspeed CT Room#1)	KFSHRC (Radiology Dep. MRI Room#3)	KFSHRC (Radiology Dep. Ultrasound room#2 and Room#3)	KFH (CR3)	KFSHRC (Post-Graduate Center Room#1)	KFSHRC (Post-Graduate Center Room#3)	KFH (CR4)	KFSHRC Oncology Center (Radiation Therapy Dep. Rachytherapy Suite)	KFSHRC Main Corridor (Old Simulator Room)	KFSHRC (Radiology Dep. GE Lightspeed CT Room#3)	KFSHRC Research Center (Room#304)	KFSHRC (East wing)	KFSHRC Research Center (Cyclotron)	KFSHRC Research Center (Biomedical Physics Dep. Room B29)	KFSHRC Oncology Center (Radiation Therapy Dep. Bachytherapy Suite)	Rotation at KFSHRC
Coordinator	N. alsoraya	M. Badran	F. Scholz	M. Alrujaib	M. Alshaaan	B. Almutairi	S. Al Enazi	A. Masawi	M. Mustafa	A. Fathala	O. Demirkaya	R. AlMazrou	I. Mamoun	U. Mwidu	A. Nobah	I. Al-Anazi	W. AlNajjar	F. Mahyoub	R. Machrafi	N. Al-Harb	N. Jastaniyah	R. AlMazrou
Faculty	D. Tolan	A. Elsaadany F. Alaeddin M. Badran	R. Gore P. Pickhardt T. Dubinsky F. Scholz	M. Mallah	E. McNally	A. Ba-Ssalammah	H. Al Twajiri R. Odin A. Moussally	J. Al-Ghamdi R. Mohtasib K. ALShalali	M. Mustafa	S. Fanti B. Siegal G. Schulthess M. Alzayed A. Almuhaideb	O. Demirkaya C. Levin R. Parker	R. AlMazrou S. Sassi M. Madsen H. Mosally	M. Shroff	U. Mwidu S. Aldelajjan	A. Nobah A. Giallombardo	I. Al-Anazi	M. Martin M. Madsen	C. Lagarde	O. Noor N. Al-Edan	G. Alsbeih K. Mishra M. Al-Buhairi S. Bin Judia S. Elewisy J. Castro	N. Jastaniyah S. Wadi-Ramahi M. Hegazy U. Mwidu S. Aldelajjan	R. AlMazrou

## Thursday, 25 February 2016

### Workshops Session 3 (8:00-9:30 AM)

Code	DIW6	DIW8	DIW10	DIW13	DIW15	DIW16	DIW20	DIW23	DIW26	NMW2	NMW3	MPW3	MPW7	MPW9	RPW4	RPW5	RPW8	RBW1	ROW2	GTW1	
Activity Type	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop
Title	Thermal ablation	Upper and Lower GI Disease Imaging	Idiopathic Interstitial pneumonias	Utilization of Primovist™ in Liver and Biliary Disorder (MasterClass)	Functional MRI	Iron Overload Cardiac & Liver	Practical Diagnostic US	Oncology Liver Application & multimodality tumor tracking	Tomosynthesis Biopsy Workshop	PET/CT Quality Control Workshop	SPECT/CT Quality Control Workshop	Quality Assurance for Mammography Workshop	TG100- Failure mode analysis and risk based approaches to quality management	Quality Assurance for MRI scanner and safety	Protection Level Calibration using Cs-137	Personal Dosimetry	The international radiation basic safety (BSS) and supporting safety guide: Implementation in Diagnostic Radiology	Biodosimetry	Advanced vs Conventional Radiotherapy Techniques: Clinical Applications	Introduction to Radiation Medicine Course	
Venue	KFSHRC (Post-Graduate Center Room#7)	KFSHRC (Post-Graduate Center Room#4)	KFSHRC (Post-Graduate Center Room#5)	KFSHRC (Post-Graduate Center Auditorium)	KFSHRC (Radiology Dep. MRI Room#3)	KFSHRC (Radiology Dep. Radiology Conference Room)	KFSHRC (Post-Graduate Center Room#3)	KFSHRC Research Center (Biomedical Physics Dep. Biomedical Physics Conference Room)	KFSHRC Radiology Dep. Radiology Reading Room/ KFSHRC (Radiology Dep. Interventional-Ultrasound Room#5)	KFSHRC (North Tower NT Room#113)	KFSHRC (North Tower Gamma Camera Room#1)	KFSHRC (Outpatient Clinic Room# 1)	KFSHRC (Post-Graduate Center Foyer Room#7&8)	KFSHRC (Radiology Dep. MRI#5)	KFSHRC Research Center (Biomedical Physics Dep. SSDL room)	KFSHRC Research Center (Biomedical Physics Dept. Health Physics Room)	KFSHRC Research Center (Room#304)	KFSHRC Research Center (Biomedical Physics Dep. Room B29)	KFSHRC Oncology Center (Oncology Lecture Room)	Rotation at KFSHRC	
Coordinator	A. Elsaadany	F. Scholz	M. Alrujaib	B. Almutairi	A. Masawi	A. Masawi	R. Mohtasib	K. El-Haddad	M. Muncada	O. Demirkaya	R. AlMazrou	I. Al-Anazi	S. Wadi-Ramahi	A. Masawi	H. Al-Humaidan	I. Algain	M. Arib	S. Elewisy	R. Mahmoud	R. AlMazrou	
Faculty	H. Alsuhaibani N. Siddiqi A. Elsaadany	R. Gore P. Pickhardt T. Dubinsky F. Scholz	N. Abourobah	A. Ba-Ssalammah	J. Al-Ghamdi R. Mohtasib K. ALShalali	A. Fathallah A. Al-Basher	R. Mohtasib N. Khoumais K. El-Haddad M. Mustafa R. Abuaish L. Abdulazeez A. Aldosary	A. Haydar G. Jurdack	H. Rajah M. Abudhais A. Cruzat	O. Demirkaya C. Levin R. Parker	R. AlMazrou S. Sassi M. Madsen H. Mosally	I. Al-Anazi	S. Wadi-Ramahi M. Saiful Huq	A. Abu Jamea F. Onaizan	H. Al Ghamdi	S. Al-Shora N. Al-Edan	A. Almesned D. Gilley E. Stern H. Delis I. Mamoun M. Perez M. Martin M. Almalki N. Nakshabandi	G. Alsbeih K. Mishra N. Al-Harbi M. Al-Buhairi S. Bin Judia J. Castro	C. Bogardus M. Alshabanah N. Alrajhi R. Mahmood Y. Khafaga W. Safar M. Alturaiki	R. AlMazrou	

### Workshops Session 4 (10:00 AM-12:15 PM)

Code	DIW7	DIW8	DIW9	DIW13	DIW15	DIW16	DIW17	DIW20	DIW21	DIW24	DIW26	NMW2	NMW3	MPW3	MPW7	MPW9	RPW4	RPW5	RPW6	RPW7	RBW1	ROW2	GTW1
Activity Type	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop
Title	Ultrasound-guided Central Venous Access	Upper and Lower GI Disease Imaging	Incidental Lung Nodules: What to do with them?	Utilization of Primovist™ in Liver and Biliary Disorder (MasterClass)	Functional MRI	Iron Overload Cardiac & Liver	Vascular US	Practical Diagnostic US	3D post processing	QC in Digital Mammography	Tomosynthesis Biopsy Workshop	PET/CT Quality Control Workshop	SPECT/CT Quality Control Workshop	Quality Assurance for Mammography Workshop	TG100- Failure mode analysis and risk based approaches to quality management	Quality Assurance for MRI scanner and safety	Protection Level Calibration using Cs-137	Personal Dosimetry	Therapy Level Calibration using Co-60	Uncertainty Calculations in Calibration and Dosimetry	Biodosimetry	Advanced vs Conventional Radiotherapy Techniques: Clinical Applications	Introduction to Radiation Medicine Course
Venue	KFSHRC (Post-Graduate Center Room#7)	KFSHRC (Post-Graduate Center Room#4)	KFSHRC (Post-Graduate Center Room#5)	KFSHRC (Post-Graduate Center Room#8)	KFSHRC (Radiology Dep. MRI Room#3)	KFSHRC (Radiology Dep. MRI Room#4)	KFSHRC (Radiology Dep. Ultrasound room#8)	KFSHRC (Post-Graduate Center Room#3)	KFSHRC Research Center (Biomedical Physics Dep. Biomedical Physics Conference Room)	KFSHRC (Post-Graduate Center Room#1)	KFSHRC Radiology Dep. Radiology Reading Room/ KFSHRC (Radiology Dep. Interventional-Ultrasound Room#5)	KFSHRC (North Tower NT Room#113)	KFSHRC (North Tower Gamma Camera Room#1)	KFSHRC (Outpatient Clinic Room# 1)	KFSHRC (Post-Graduate Center Foyer Room#7&8)	KFSHRC (Radiology Dep. MRI Room#5)	KFSHRC Research Center (Biomedical Physics Dep. SSDL room)	KFSHRC Research Center (Biomedical Physics Dept. Health Physics Room)	KFSHRC (Cobalt-60 Room)	KFSHRC Research Center (Room#304)	KFSHRC Research Center (Biomedical Physics Dep. Room B29)	KFSHRC Oncology Center (Oncology Lecture Room)	Rotation at KFSHRC

Coordinator	A. Elsaadany	F. Scholz	L. Jamjoom	B. Almutairi	A. Masawi	A. Masawi	M. Mustafa	R. Mohtasib	N. Alsoraya	M. Abudhais	M. Muncada	O. Demirkaya	R. AlMazrou	I. Al-Anazi	S. Wadi-Ramahi	A. Masawi	H. Al-Humaidan	I. Algain	M. Arib	M. Arib	S. Elewisy	R. Mahmoud	R. AlMazrou
Faculty	F. Alaaeddin M. Badran A. Elsaadany S. Elashwal A. Aleheidab	R. Gore P. Pickhardt T. Dubinsky F. Scholz	M. Pakkal A. Frazier	A. Ba-Ssalammah	J. Al-Ghamdi R. Mohtasib K. ALShalali	A. Fathallah A. Al-Basher	M. Al Zahrani L. AlAbdulaziz	R. Mohtasib N. Khoumais K. El-Haddad M. Mustafa R. Abuaiish L. Abdulazeoz A. Aldosary	N. Alsoraya G. Jurdack	C. Hunold J. Heckel M. Abudhais N. Khoumais A. Ashmawy	H. Rajah M. Abudhais A. Cruzat	O. Demirkaya C. Levin R. Parker	R. AlMazrou S. Sassi M. Madsen H. Mosally	I. Al-Anazi	S. Wadi-Ramahi M. Saiful Huq	A. Abu Jamea F. Onaizan	H. Al Ghamdi	S. Al-Shora N. Al-Edan	O. Noor	M. Arib	G. Alsbeth K. Mishra N. Al-Harbi M. Al-Buhairi S. Bin Judia J. Castro	C. Bogardus M. Alshabanah N. Alrajhi R. Mahmood Y. Khafaga W. Safar M. Alturaiki	R. AlMazrou

## Monday to Wednesday, 22 to 24 February 2016

### Venue: Intercontinental Hotel – Hall B

12:30-1:30 PM

#### Session 16: Poster Viewing Sessions

#### Poster Session 19A: Diagnostic & Interventional Radiology Track

Poster 1	<b>(Abstract#0005)</b> <b>Pheochromocytoma: Current knowledge and Future Prospects. Through A Surgical Series</b> Fatnassi Aymen, Salem Randa
Poster 2	<b>(Abstract#0033)</b> <b>3D and 2D Ultrasound Based Fetal Weight Estimation: A Single Center Experience</b> Laila Mohsen, Mohamad Amin
Poster 3	<b>(Abstract#0034)</b> <b>Evaluation of Radiation Dose Received By Patient during Cardiac Catheterization Procedure</b> Mohamed Elfadil Garelnabi, Mohammed Yousif, Abdoelrahman Bakry, Abdoelrahman Ahmed
Poster 4	<b>(Abstract#0035)</b> <b>Traumatic Knee Injuries: A Prospective Comparison of 3T Versus 1.5T MR Imaging</b> Nasreddine Nouri, Moez ouertatani, Meriem Mechri, Hend Riahi, Mouna Chelli Bouaziz, Mohamed Fethi Ladeb
Poster 5	<b>(Abstract#0037)</b> <b>Diagnostic Value of MRI in the Diagnosis of Joint Involvement in Malignant Primitive Tumors of the Knee</b> Hend Riahi, Mouna Chelli Bouaziz, Meriem Mechri, Mohamed Fethi Ladeb
Poster 6	<b>(Abstract#0040)</b> <b>Dose Measurement Using GafChromic film for Patients Undergoing Interventional Cardiology Procedures</b> Mohammed Khalil Saeed
Poster 7	<b>(Abstract#0083)</b> <b>The Implementation of Using Gafchromic XR-QA2 Films for Mesurement of Patients' Entrance Surface Dose Length Product During Computed Tomography</b> Salman Altimyat, Abdullah Alrushoud, Khaled Soliman, Mousa Bakkari, Abdullah Alshehri
Poster 8	<b>(Abstract#0119)</b> <b>The Chest Radiographs Of Suspected Hiv/Aids Patients</b> Kingsley Nduka Osuagwu
Poster 9	<b>(Abstract#0129)</b> <b>Patient Doses Assessment for Pediatric Patients for some Digital Diagnostic Radiology Examination in Emergency Department of HMC</b> Ibrahim Abdallah, Anter Ali, Samia Al-Mana, Huda Al Naemi
Poster 10	<b>(Abstract#0132)</b> <b>Patient Dosimetry and Radiation Risks in Conventional Radiology</b> Anbdelrahim Adam mohamed Suliman
<b>Poster Session 19B: Medical Physics Track</b>	
Poster 11	<b>(Abstract#0014)</b> <b>The Use of Radiobiological Models to Compare Dose Calculation Algorithms and Readjust the Dose Prescription</b> Abdulhamid Chaikh, Jacques Balosso
Poster 12	<b>(Abstract#0042)</b> <b>Fabrication of 3D Printed Bolus for Electron Beam Therapy Validated with Monte Carlo Simulation</b> Maan Najem, Westley Ingram, Michael Thomas, Craig Cummings, Vibeke Hansen, Peter Childs
Poster 13	<b>(Abstract#0047)</b> <b>Patients Radiation Dose and Protection Status in North Kordofan State</b> Tayseer Elhadi
Poster 14	<b>(Abstract#0054)</b> <b>Pylinac: A Toolkit for Performing TG-142 QA-Related Tasks on A Linear Accelerator</b> Ali Zaila, Marouf Adili, Saleh Bamajboor

Poster 15	(Abstract#0057) <b>Analysis of Lung Dosimetry in 3D-CRT Planning for Hypofractionated Breast Radiotherapy</b> Yasir Bahadur, Camelia Constantinescu, Maha Eltaher, Mohammad Attar
Poster 16	(Abstract#0098) <b>The Establishment of Radiotherapy Calibration Facility at the SSDL of KFSH</b> Mehenna Arib, Noor Omar, Fareed Mahyoub, Abdallah Al-Kafi, Faisal Alzorkany, Waleed Al-Nadjar, Belal Moftah
Poster 17	(Abstract#0103) <b>Dosimetric Study of Three Dimensional Conformal Radiotherapy (3D CRT) of Localized Prostate Cancer using A Custom Made Male Pelvic Phantom</b> Nursyatina Abdul Raof, Abd Aziz Tajuddin, Mohd Zahri Abdul Aziz
Poster 18	(Abstract#0109) <b>Implementation of 3D Dosimetry using Magic Gel Polymer at External Radiotherapy Service: Feasibility Study</b> Sounila Brahimi-Moussa, Yassmina Berkani, Kada Boualga, Mohamed El Amin Benamar, Mehenna Arib, <u>Zohra Lounis-Mokrani</u>
Poster 19	(Abstract#0124) <b>The Correlation Between Different Dose Indices and Organ Doses from Cone Beam Computed Tomography (CBCT) Scans</b> <u>Abdullah Abuhaimed</u> , Colin Martin, Marimuthu Sankaralingam, Mohamed Metwaly, David Gentle
Poster 20	(Abstract#0131) <b>Gamma Index Observations of VMAT Patient Specific QA using Octavius 4D Dosimetric System</b> Suresh Moorthy
Poster 21	(Abstract#0134) <b>Characterization of Normal Pancreas in MR Images Using Texture Analysis</b> <u>Suhaib Alameen</u> , Mohamed Hashim, Elmubarak Mohamed Ahmed
Poster 22	(Abstract#0157) <b>Dose Monitoring System for Radiobiological Irradiations with Low Energy Proton Beams</b> Slobodan Devic, Saad Aldelajjan, Mamoun Shehadeh, Faisal Alzorkany, Faisal Alrumayan, Ghazi Alsbeih, Mohammed Alshabanah, Jan Seuntjens, <u>Belal Moftah</u>
<b>Poster Session 19C: Nuclear Medicine Track</b>	
Poster 23	(Abstract#0096) <b>The Effect of the Acquisition and Reconstruction Parameters in the Quality of Tomographic SPECT Images</b> <u>Nasreddine Boutaghane</u>
Poster 24	(Abstract#0112) <b>Study on Correlation of Prostate Specific Antigen With Metastatic Bone Disease in Prostate Cancer on Skeletal Scintigraphy</b> Muhammad Waleed Asfandyar, Akhtar Ahmed, Adib-ul-Hasan Rizvi
Poster 25	(Abstract#0116) <b>Gate Monte Carlo Simulation for Dual Head Gamma Camera</b> <u>Yosif Bashir</u> , Elhussien Sirelkhatim
Poster 26	(Abstract#0121) <b>An Overview of Coded Aperture Families Suitable for Imaging with Position Sensitive Detectors</b> Mohammed Alnafea, Khaled Shamma, Djelloul Mahboub
Poster 27	(Abstract#0122) <b>Coded Aperture imaging with gamma camera</b> <u>Khaled Shamma</u> , Mohammed Alnafea, Omrane Kadri
Poster 28	(Abstract#0128) <b>Using Basic Morphology Tools in Improvement of Kidneys Detection</b> <u>Masheel Abdallah</u> , Yousif Abdallah
Poster 29	(Abstract#0136) <b>Value of SPECT/CT in Preoperative Assessment of Patients with Condylar Hyperplasia</b> Maisa Tayeb, <u>Ibrahim Eltayeb</u> , Meshal Melbary, Bothina Abdalshakor
<b>Poster Session 19D: Radiation Oncology Track</b>	
Poster 30	(Abstract#0016) <b>Simultaneous Integrated Boost by RapidArc Therapy Plus Temozolomide for Treatment of Patients with Glioblastoma Multiform: A Single Institution Experience</b> <u>Mohamed Daoud</u>
Poster 31	(Abstract#0025) <b>Calculation of Organs Radiation Dose in Rectal carcinoma External Irradiation Beam</b> <u>Yousif Abdallah</u> , Abdelazeem Khalifa, Mohamed Gar-elnabi
Poster 32	(Abstract#0026) <b>Outfiled Dose Calculation in Treatment of Breast Cancer using Radiotherapy TPS</b> <u>Abdoelrahman Bakry</u> , Mohamed Garelnabi, Yousif Abdallah, Omer Hamid
Poster 33	(Abstract#0027)



	<b>Detection and GTV Definition of Brain Tumors in MRI Images using Image Processing Technique</b> Abdoelrahman Hassan, Mohamed Garelnabi
Poster 34	(Abstract#0051) <b>IMRT Treatment Plan Dosimetry as a Predictor for Loco-Regional Control in Head-and-Neck Cancer</b> Camelia Constantinescu, Yasir Bahadur, Rolina Al-Wassia, Nisreen Awad
Poster 35	(Abstract#0064) <b>Dosimetric Effect of Segments Number in IMRT</b> Ismail Ahmed, Mahmoud Younes, Eyad Alsaeed
Poster 36	(Abstract#0086) <b>The Potential Palliative Role and Possible Immune Modulatory Effects of Low-Dose Total Body Irradiation in Relapsed or Chemo-Resistant Non-Hodgkin's Lymphoma</b> Nahla El Sharkawy
Poster 37	(Abstract#0108) <b>Helical Tomotherapy for Craniospinal Axis Radiation in Children: A Dosimetric Comparison with 3D Conformal Radiotherapy</b> Muhammad Adeel Ilyas, Yasser Khafaga, Rana Mahmood, Belal moftah, Mamoun Shehadeh
Poster 38	(Abstract#0113) <b>Global Fight Against Cancer: Implementation of Lung SBRT Program in Developing Countries Through International Cooperation</b> Jamal Khader, Shada Wadi-Ramahi, Abdelatif AlMousa, Samer Alheet, Imran Rashdan
Poster 39	(Abstract#0123) <b>A New Tissue-Equivalent Phantom Applied to Radiotherapy Treatment: A Feasibility Study</b> Mohammad Aljamal
Poster 40	(Abstract#0126) <b>Commissioning and Validation of Elekta HD Versa Linear Accelerator and Beam Model: KFSHRC/KAUH Jeddah Experience</b> Lookman Adeleke Abdullah, Naseem Hussein, Meteb A, Ayman Bokhari, Camilia Constantinescu
Poster 41	(Abstract#0148) <b>Comparison of Two Atlas-based Segmentation Methods for MRI-based Adaptive Brachytherapy for Cervix Cancer with MR image Standardization Strategy</b> Habib Al saleh, Eric Paulson
Poster 42	(Abstract#0150) <b>Evaluation of Mucositis in Head and Neck Cancer Patients Receiving Radiation Therapy</b> Maha Alsubaie, Muslahah Alharthi, Maram Alharbi, Riham Elsayed
Poster 43	(Abstract#0153) <b>Improved Auto Contouring Method of Hyperintense Vasogenic Edema Lesions on FLAIR MRI</b> Habib Al saleh, Eric Paulson
Poster 44	(Abstract#0156) <b>The Late Auditory Toxicity of Radiotherapy for Nasopharyngeal Carcinoma.</b> Tarfah Aljuaythin, Ala Alkarji, Manal Alkhaldi, Riham Elsayed
	<b>Poster Session 19D: Radiation Biology Track</b>
Poster 45	(Abstract#0020) <b>The Biological Effect of Microwave Radiation MWR Emitted from Wireless Device on Rats Blood</b> Abdelfatah Mohammedahmed, Walialdeen Biraima, Abuobida Balla
Poster 46	(Abstract#0038) <b>Levels of Some Trace Elements in Serum of Esophageal Cancer Patients</b> Dalal Saeed
Poster 47	(Abstract#0089) <b>Biomarkers of Radiation Sensitivity and the Association with Genetic SNPs and Cytogenetic CNVs</b> Sara Bin Judia, Rafa Al-Meer, Najla Al-Harbi, Muneera Al-Buhairi, Jenelyn Castro, Salma Majid, Ghazi Alsbeih
Poster 48	(Abstract#0092) <b>Measurements of Frequent Induction of Giant-nucleated Cells In The Progeny of Normal Human Fibroblasts After Exposure To Low-energy Proton Beam Irradiations In Vitro</b> Ashraf Almahwasi, Charlie Jeynes, David Bradley, Patrick Regan
	<b>Poster Session 19D: Radiation Protection Track</b>
Poster 49	(Abstract#0028) <b>Software for the Radiation Safety Training in Hospitals- Dvelopment and Impact</b> Mahmoud Ahmed
Poster 50	(Abstract#0041) <b>Annual Doses Received by the Workers of Some Medical Practices (radiotherapy, nuclear medicine and diagnostic radiology) and comparing with occupational radiation doses of workers in non-destructive testing (NDT)</b> Eltayeb Yousif
Poster 51	(Abstract#0047) <b>Patients Radiation dose and protection status in north kordofan state</b>

	Tayseer Elhadi
Poster 52	(Abstract#0056) Detection efficiency of NaI,CsI, RbI,KBr Detector in 662-1332KeV energy range Nadia Belameiri, Abdelghani Tebboune
Poster 53	(Abstract#0079) Estimation of Radiation Dose Received in Knee Joint x-ray Examination Yousif Abdallah, Nisreen Mohamoud
Poster 54	(Abstract#0080) Radiation Protection in Nuclear Medicine Akbar ALgallaf
Poster 55	(Abstract#0095) Calibration of Radiation Instruments Used in Radiation Protection by the SSDL of KFSH&RC Omar Noor, Arib Mehenna, Fareed Mahyoub, Heba Al-Humaidan, Huda Al-Ghamdi, Celestino Lagarde, Belal Moftah
Poster 56	(Abstract#0101) The KFSH&RC Personal Monitoring Service: Calibration and validation of the TLD system Fareed Mahyoub, Mehenna Arib, Ibrahim Al-Gain, Omar Noor, Noor Al-Edan, Shaima Al Shora, Heba Al-Humaidan, Huda Al-Ghamdi, Belal Moftah
Poster 57	(Abstract#0110) Dose Assessment for Nuclear Medicine Staff at Lamine Debaghine Universty Hospital Karima Larabi-Harfouche, Djamal Imatouken, Fatima Zohra AbdelAziz-Bouزيد, Zohra Lounis-Mokrani
Poster 58	(Abstract#0140) Optimization of a Dual Monitor for A Class II Radiation Facility Turki Alajmi, Rachid Machrafi
Poster 59	(Abstract#0151) Study of Neutron Dose Spectrum in High Energy Medical LINACs at 15MV along Maze Area Muhammad Bilal, Asad Ejaz

## Workshops Session 1: Wednesday 24 February 2016 (1:15-3:30 PM)

**DIAGNOSTIC AND INTERVENTIONAL RADIOLOGY TRACK**

Code	Venue	Workshop Title	Coordinator
DIW3	KFH (CR2)	CT Colonography	N. alsoraya
DIW4	KFSHRC (Post-Graduate Center Room#5)	How to set up for Transarterial Hepatic Radioembolization Practice	H. Alsuhaibani
DIW8	KFSHRC (Post-Graduate Center Room#4)	Upper and Lower GI Disease Imaging	F. Scholz
DIW11	KFSHRC (Biomedical Physics Conference Room)	Trans-catheter aortic valve implantation (TAVI)	M. Alrujaib
DIW12	KFH (CR5)	MSK Ultrasound workshop	M. Alshaalan
DIW13	KFSHRC (Post-Graduate Center Auditorium)	Utilization of PrimovistTMin Liver and Biliary Disorder (MasterClass)	B. Almutairi
DIW14	KFSHRC (Radiology Dep. GE Lightspeed CT Room#1)	Dual energy CT	S. Al Enazi
DIW15	KFSHRC (Radiology Dep. Radiology Conference Room)	Functional MRI	A. Masawi
DIW18	KFSHRC (Radiology Dep. Ultrasound room#2 and Room#3)	Transcranial Doppler US	M. Mustafa
DIW22	KFSHRC (Post-Graduate Center Room#7)	Pleural US biopsy and drainage	M. Al Raddadi
DIW24	KFSHRC (Post-Graduate Center Room#1)	QC in Digital Mammography	M. Abudhais
DIW27	KFSHRC (Radiology Dep. Radiology Meeting Room)	The Role of Embolization in Body Intervention	M. Fleet
DIW28	KFSHRC Research Center (RC Executive Room)	Advances in screening and diagnostic procedures (Tomosynthesis and Contrast-Enhanced Spectral Mammography)	M. Abudhais

**NUCLEAR MEDICINE TRACK**

Code	Venue	Workshop Title	Coordinator
NMW1	KFH (CR3)	Read with Expert: Challenging Oncologic and Cardiac PET/CT cases	A. Fathala
NMW2	KFSHRC (Post-Graduate Center Room#3)	PET/CT Quality Control Workshop	O. Demirkaya
NMW3	KFSHRC (Post-Graduate Center Room#3)	SPECT/CT Quality Control Workshop	R. AlMazrou

**NEURORADIOLOGY HEAD & NECK TRACK**

Code	Venue	Workshop Title	Coordinator
NRW1	KFH (CR4)	Read With the Experts in Pediatric Neuroradiology	I. Mamoun

**MEDICAL PHYSICS TRACK**

Code	Venue	Workshop Title	Coordinator
MPW1	KFSHRC Oncology Center (Oncology Meeting Room)	Introduction to treatment planning	G. Nazer
MPW5	KFSHRC Oncology Center (Radiation Therapy Dep. CT-Sim)	Quality Assurance for CT-sim	H. Al-Selham
MPW8	KFSHRC Research Center (Room#304)	Shielding calculation for radiation facilities	W. AlNajjar

**RADIATION PROTECTION TRACK**

Code	Venue	Workshop Title	Coordinator
RPW2	KFSHRC (East wing)	Transportation of Radioactive Material & I-131 Therapy Applications	F. Mahyoub
RPW3	KFSHRC Research Center (Cyclotron)	Radiation Detection and Measurements	R. Machrafi

**RADIOBIOLOGY TRACK**

Code	Venue	Workshop Title	Coordinator
RBW2	KFSHRC Research Center (Biomedical Physics Dep. Room B29)	Radiobiology	N. Al-Harbi

**RADIATION ONCOLOGY TRACK**

Code	Venue	Workshop Title	Coordinator
ROW1	KFSHRC Oncology Center (Oncology Lecture Room)	HDR Brachy	N. Jastaniyah

**GENERAL TOPICS TRACK**

Code	Venue	Workshop Title	Coordinator
GTW1	KFSHRC (In front of King Salman Auditorium)	Introduction to Radiation Medicine	R. AlMazrou

**Workshops Session 2 (2:00-5:50 PM)****DIAGNOSTIC AND INTERVENTIONAL RADIOLOGY TRACK**

Code	Venue	Workshop Title	Coordinator
DIW3	KFH (CR2)	CT Colonography	N. alsoraya
DIW5	KFSHRC (Post-Graduate Center Room#7)	Interventional Palliative procedures	M. Badran
DIW8	KFSHRC (Post-Graduate Center Room#4)	Upper and Lower GI Disease Imaging	F. Scholz

DIW11	KFSHRC (Biomedical Physics Conference Room)	Trans-catheter aortic valve implantation (TAVI)	M. Alrujaib
DIW12	KFH (CR5)	MSK Ultrasound workshop	M. Alshaalan
DIW13	KFSHRC (Post-Graduate Center Auditorium)	Utilization of PrimovistTMin Liver and Biliary Disorder (MasterClass)	B. Almutairi
DIW14	KFSHRC (Radiology Dep. GE Lightspeed CT Room#1)	Dual energy CT	S. Al Enazi
DIW15	KFSHRC (Radiology Dep. MRI Room#3)	Functional MRI	A. Masawi
DIW25	KFSHRC (Radiology Dep. Ultrasound room#2 and Room#3)	Shearwave Elastography Ultrasound Workshop (Assessment of Liver Fibrosis)	M. Mustafa

### NUCLEAR MEDICINE TRACK

Code	Venue	Workshop Title	Coordinator
NMW1	KFH (CR3)	Read with Expert: Challenging Oncologic and Cardiac PET/CT cases	A. Fathala
NMW2	KFSHRC (Post-Graduate Center Room#1)	PET/CT Quality Control Workshop	O. Demirkaya
NMW3	KFSHRC (Post-Graduate Center Room#3)	SPECT/CT Quality Control Workshop	R. AlMazrou

### NEURORADIOLOGY HEAD & NECK TRACK

Code	Venue	Workshop Title	Coordinator
NRW1	KFH (CR4)	Read With the Experts in Pediatric Neuroradiology	I. Mamoun

### MEDICAL PHYSICS TRACK

Code	Venue	Workshop Title	Coordinator
MPW2	KFSHRC Oncology Center (Radiation Therapy Dep. Bachytherapy Suite)	Quality Assurance for High Dose Rate Brachytherapy (HDRB)	U. Mwidu
MPW4	KFSHRC Main Corridor (Old Simulator Room)	Advanced Planning Techniques	A. Nobah
MPW6	KFSHRC (Radiology Dep. GE Lightspeed CT Room#3)	Quality Assurance for CT	I. Al-Anazi
MPW8	KFSHRC Research Center (Room#304)	Shielding calculation for radiation facilities	W. AlNajjar

### RADIATION PROTECTION TRACK

Code	Venue	Workshop Title	Coordinator
RPW2	KFSHRC (East wing)	Transportation of Radioactive Material & I-131 Therapy Applications	F. Mahyoub
RPW3	KFSHRC Research Center (Cyclotron)	Radiation Detection and Measurements	R. Machrafi

### RADIOBIOLOGY TRACK

Code	Venue	Workshop Title	Coordinator
------	-------	----------------	-------------

RBW2	KFSHRC Research Center (Biomedical Physics Dep. Room B29)	Radiobiology	N. Al-Harbi
<b>RADIATION ONCOLOGY TRACK</b>			
Code	Venue	Workshop Title	Coordinator
ROW1	KFSHRC Oncology Center (Radiation Therapy Dep. Bachytherapy Suite)	HDR Brachy	R. AlMazrou
<b>GENERAL TOPICS TRACK</b>			
Code	Venue	Workshop Title	Coordinator
GTW1	Rotation at KFSHRC	Introduction to Radiation Medicine	Refaat AlMazrou

Workshops Session 3 (8:00-9:30 AM)

<b>DIAGNOSTIC AND INTERVENTIONAL RADIOLOGY TRACK</b>			
Code	Venue	Workshop Title	Coordinator
DIW6	KFSHRC (Post-Graduate Center Room#7)	Thermal ablation	A. Elsaadany
DIW8	KFSHRC (Post-Graduate Center Room#4)	Upper and Lower GI Disease Imaging	F. Scholz
DIW10	KFSHRC (Post-Graduate Center Room#5)	Idiopathic Interstitial pneumonias	M. Alrujaib
DIW13	KFSHRC (Post-Graduate Center Auditorium)	Utilization of PrimovistTMin Liver and Biliary Disorder (MasterClass)	B. Almutairi
DIW15	KFSHRC (Radiology Dep. MRI Room#3)	Functional MRI	A. Masawi
DIW16	KFSHRC (Radiology Dep. Radiology Conference Room)	Iron Overload Cardiac & Liver	A. Masawi
DIW20	KFSHRC (Post-Graduate Center Room#3)	Practical Diagnostic US	R. Mohtasib
DIW23	KFSHRC Research Center (Biomedical Physics Dep. Biomedical Physics Conference Room)	Oncology Liver Application & multimodality tumor tracking	K. El-Haddad
DIW26	KFSHRC (Radiology Dep. Angio/US Room#4)	Tomosynthesis Biopsy Workshop	M. Muncada
<b>NUCLEAR MEDICINE TRACK</b>			

Code	Venue	Workshop Title	Coordinator
NMW2	KFSHRC (North Tower NT Room#113)	PET/CT Quality Control Workshop	O. Demirkaya
NMW3	KFSHRC (North Tower Gamma Camera Room#1)	SPECT/CT Quality Control Workshop	R. AlMazrou

### MEDICAL PHYSICS TRACK

Code	Venue	Workshop Title	Coordinator
MPW3	KFSHRC (Outpatient Clinic Room#1)	Quality Assurance for Mammography Workshop	I. Al-Anazi
MPW7	KFSHRC (Post-Graduate Center Foyer Room#7&8)	TG100- Failure mode analysis and risk based approaches to quality management	S. Wadi-Ramahi
MPW9	KFSHRC (Radiology Dep. MRI )	Quality Assurance for MRI scanner and safety	A. Masawi

### RADIATION PROTECTION TRACK

Code	Venue	Workshop Title	Coordinator
RPW4	KFSHRC Research Center (Biomedical Physics Dep. SSDL room)	Protection Level Calibration using Cs-137	H. Al-Humaidan
RPW5	KFSHRC Research Center (Biomedical Physics Dep. Health Physics Room)	Personal Dosimetry	I. Algain
RPW8	KFSHRC Research Center (Room#304)	The international radiation basic safety (BSS) and supporting safety guide: Implementation in Diagnostic Radiology	M. Arib

### RADIOBIOLOGY TRACK

Code	Venue	Workshop Title	Coordinator
RBW1	KFSHRC Research Center (Biomedical Physics Dep. Room B29)	Biodosimetry	S. Elewisy

### RADIATION ONCOLOGY TRACK

Code	Venue	Workshop Title	Coordinator
ROW2	KFSHRC Oncology Center (Oncology Lecture Room)	Advanced vs Conventional Radiotherapy Techniques: Clinical Applications	R. Mahmoud

### GENERAL TOPICS TRACK

Code	Venue	Workshop Title	Coordinator
GTW1	Rotation at KFSHRC	Introduction to Radiation Medicine	R. AlMazrou

Workshops Session 4 (10:00 AM-12:15 PM)

**DIAGNOSTIC AND INTERVENTIONAL RADIOLOGY TRACK**

Code	Venue	Workshop Title	Coordinator
DIW7	KFSHRC (Post-Graduate Center Room#7)	Ultrasound-guided Central Venous Access	A. Elsaadany
DIW8	KFSHRC (Post-Graduate Center Room#4)	Upper and Lower GI Disease Imaging	F. Scholz
DIW9	KFSHRC (Post-Graduate Center Room#5)	Incidental Lung Nodules: What to do with them?	L. Jamjoom
DIW13	KFSHRC (Post-Graduate Center Auditorium)	Utilization of PrimovistTMin Liver and Biliary Disorder (MasterClass)	B. Almutairi
DIW15	KFSHRC (Radiology Dep. MRI Room#3)	Functional MRI	A. Masawi
DIW16	KFSHRC (Radiology Dep. MRI Room#4)	Iron Overload Cardiac & Liver	A. Masawi
DIW17	KFSHRC (Radiology Dep. Ultrasound room#8)	Vascular US	M. Mustafa
DIW20	KFSHRC (Post-Graduate Center Room#3)	Practical Diagnostic US	R. Mohtasib
DIW21	KFSHRC Research Center (Biomedical Physics Dep. Biomedical Physics Conference Room)	3D post processing	N. alsoraya
DIW24	KFSHRC (Post-Graduate Center Room#1)	QC in Digital Mammography	M. Abudhais
DIW26	KFSHRC (Radiology Dep. Interventional- Ultrasound Room#5)	Tomosynthesis Biopsy Workshop	M. Muncada

**NUCLEAR MEDICINE TRACK**

Code	Venue	Workshop Title	Coordinator
NMW2	KFSHRC (North Tower NT Room#113)	PET/CT Quality Control Workshop	O. Demirkaya
NMW3	KFSHRC (North Tower Gamma Camera Room#1)	SPECT/CT Quality Control Workshop	R. AlMazrou

**MEDICAL PHYSICS TRACK**

Code	Venue	Workshop Title	Coordinator
MPW3	KFSHRC (Outpatient Clinic Room# 1)	Quality Assurance for Mammography Workshop	I. Al-Anazi
MPW7	KFSHRC (Post-Graduate Center Foyer Room#7&8)	TG100- Failure mode analysis and risk based approaches to quality management	S. Wadi-Ramahi
MPW9	KFSHRC (Radiology Dep. MRI )	Quality Assurance for MRI scanner and safety	A. Masawi

**RADIATION PROTECTION TRACK**

Code	Venue	Workshop Title	Coordinator
RPW4	KFSHRC Research Center (Biomedical Physics Dep. SSDL	Protection Level Calibration using Cs-137	H. Al-Humaidan



	room)		
RPW5	KFSHRC Research Center (Cyclotron)	Radiation Detection and Measurements	I. Algain
RPW6	KFSHRC (Cobalt-60 Room)	Therapy Level Calibration using Co-60	M. Arib
RPW7	KFSHRC Research Center (Room#304)	Uncertainty Calculations in Calibration and Dosimetry	M. Arib
<b>RADIOBIOLOGY TRACK</b>			
Code	Venue	Workshop Title	Coordinator
RBW1	KFSHRC Research Center (Biomedical Physics Dep. Room B29)	Biodosimetry	S. Elewisy
<b>RADIATION ONCOLOGY TRACK</b>			
Code	Venue	Workshop Title	Coordinator
ROW2	KFSHRC Oncology Center (Oncology Lecture Room)	Advanced vs Conventional Radiotherapy Techniques: Clinical Applications	R. Mahmoud
<b>GENERAL TOPICS TRACK</b>			
Code	Venue	Workshop Title	Coordinator
GTW1	Rotation at KFSHRC	Introduction to Radiation Medicine	R. AIMazrou