



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

رؤية
VISION
2030
المملكة العربية السعودية
KINGDOM OF SAUDI ARABIA

2019

RADIATION IN MEDICINE COURSES & WORKSHOPS

King Faisal Specialist Hospital & Research Centre, Riyadh, Saudi Arabia

MRI: From A to Z MRI Principles & QA, MRI Safety & MRI in Radiotherapy

Day 1: Monday, 11 February, 2019

COURSE SESSION 1	TIME	Venue: Post Graduate Centre – Classroom 3	
		TITLE	
	08:00 - 08:30	Registration	
	08:30 - 09:00	Opening Ceremony	
	09:00 - 09:40	Basic Principles of MRI Physics – Dr. Ashwag Alruwaili	
	09:40 - 10:20	Pulse Sequences – Dr. Abdullah Abu Jamea	
	10:20 - 10:35	Morning Break	
	10:35 - 11:15	Chemical Shift Imaging – Dr. Sami AlGhamdi	
	11:15 - 12:00	MRI Artifact – Mr. Abdullah Al-Hoti	
12:00 - 13:30	Lunch & Prayer Break		
COURSE SESSION 2	TIME	A. DIAGNOSTIC IMAGING TRACK	B. RADIATION THERAPY TRACK
		Venue: Post Graduate Centre – Classroom 3	Venue: Post Graduate Centre – Classroom 7
		TITLE	
	13:30 - 14:00	The Role of the Medical Physicist in the Management of Safety within the Magnetic Resonance Imaging – Dr. Carmel Caruana	Role of MRI in Radiation Therapy – Dr. Marijn Kruiskamp
	14:00 - 14:30	Optimizing Image Quality in MRI the Role of Medical Physicist in the Daily Clinical Practice – Dr. Carmel Caruana	MRI Protocol Optimization for Radiotherapy Tumor Delineation – Dr. Marijn Kruiskamp
	14:30 - 15:00	Fast Imaging Technique – Dr. Abdullah Abu Jamea	MRI-Only Simulation for Radiotherapy Planning (Implementation, Challenges and Opportunities) – Dr. Marijn Kruiskamp
	15:00 - 15:30	Functional MRI – Dr. Ashwag Alruwaili	Workflow in MRI Guided Radiation Therapy – Dr. Marijn Kruiskamp
	15:30 - 16:00	Afternoon & Prayer Break	
16:00 - 16:40	Gadolinium Deposition – Dr. Mamdoh Al-Obaidy	Brachytherapy for Cervical Cancer & MRI – Dr. Marijn Kruiskamp	

Day 2: Tuesday, 12 February, 2019

WORKSHOP SESSION	TIME	TITLE	
	08:00 - 12:00	Workshop 1 QA and QC for MRI system	Workshop 1 MRI-Radiation Therapy ACR QA together with the Daily Laser and Distortion QAs
		Venue: Emergency Building (B1)	Venue: KACOLD MRI (B1)
12:00 - 13:30	Lunch & Prayer Break		
13:30 - 17:00	Workshop 2 fMRI and Post Processing		
	Venue: KACOLD 6 th Floor – Classroom B		