



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

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

## Quality Control in Digital Radiography

Monday, February 11, 2019

TIME	MINS		
08:00 – 9:00		<b>Registration &amp; Morning Coffee &amp; OPENING CERMONY</b>	
<b>9:00-10:20</b>		<b>SESSION ONE: Review of Digital Radiography System</b>	
09:00	40	Physics of Digital Radiography Systems I	Fahad Abdulkhaliq, MSc.
09:40	40	Physics of Digital Radiography Systems II	Fahad Abdulkhaliq, MSc.
<b>10:20</b>	<b>15</b>	<b>MORNING BREAK</b>	
<b>10:35-12:00</b>		<b>SESSION TWO: Image Processing &amp; PACs</b>	
10:35	40	Image Processing and Formation	Fahad Abdulkhaliq, MSc.
11:15	45	Dose indicators	Omer Demirkaya, PhD
<b>12:00</b>	<b>90</b>	<b>PRAYER TIME &amp; LUNCH</b>	
<b>13:30-15:30</b>		<b>SESSION THREE: Creating RFPs and Acceptance Testing</b>	
13:30	20	Quality Control of Image Display Devices	Mahmoud Ahmed, MSc.
13:50	20	Radiation Measuring Equipment and QC Phantoms	Omar Noor, MSc.
14:10	20	Acceptance testing – X-ray Tube and Collimators	Fahad Abdulkhaliq, MSc.
14:30	30	Acceptance testing – X-ray Generators	Talal Misfer, BSc.
15:00	30	Acceptance testing – CR	Konstantinos Chantziantoniou, MSc.
<b>15:30</b>	<b>30</b>	<b>PRAYER &amp; AFTERNOON BREAK</b>	
16:00-16:40		<b>SESSION FOUR: Acceptance Testing</b>	
16:00	40	Acceptance testing – Image quality & General Safety and Radiation Safety	Konstantinos Chantziantoniou, MSc.



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# 2019 RADIATION IN MEDICINE COURSES & WORKSHOPS

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## Quality Control in Digital Radiography

**Tuesday, February 12, 2019**

TIME	MINS		
08:00 – 9:00		Registration & Morning Coffee	
<b>9:00-10:20</b>		<b>SESSION FIVE : Annual QC Testing</b>	
09:00	30	Daily QC & Image QC by Technologists	Fahad Abdulkhalik, MSc.
09:30	30	Annual QC & Monitor QC	Konstantinos Chantziantoniou, MSc.
10:00	20	Repeat and Reject Analysis & Trending	Mahmoud Ahmed, MSc.
<b>10:20</b>	<b>15</b>	<b>MORNING BREAK</b>	
<b>10:35-12:00</b>		<b>SESSION SIX: Radiation Safety</b>	
10:35	20	Radiation Safety in DR	Omar Noor, MSc.
10:55	20	Patient Dose Estimation	Mahmoud Ahmed, MSc.
11:15	20	Diagnostic Reference Levels (DRLs)	Rani AlSenan, PhD
11:35	25	Protocols Optimization	Rani AlSenan, PhD
<b>12:00</b>	<b>90</b>	<b>PRAYER TIME &amp; LUNCH</b>	
<b>13:30-15:30</b>		<b>SESSION SEVEN: Practical Session</b>	
13:30	120	Acceptance and Annual QC	Rani AlSenan, PhD Konstantinos Chantziantoniou, MSc. Mahmoud Ahmed, MSc.
<b>15:30</b>	<b>30</b>	<b>PRAYER &amp; AFTERNOON BREAK</b>	
<b>16:00-16:40</b>		<b>SESSION EIGHT: Practical Session</b>	
16:00	40	Monitor QC Workshop	Mahmoud Ahmed, MSc. Fahad Abdulkhalik, MSc. Omar Noor, MSc.