

**International Atomic Energy Agency  
Department of Technical Cooperation  
And  
Nuclear Medicine and Diagnostic Imaging Section  
Division of Human Health**

**National Training Course on Radiation Medicine:  
Best Practices in Radiology and Radiation safety  
10-14 September 2017, Fatima College of Health Sciences, Al Ain, UAE**

DAY ONE: 10 Sep 2017 @ FCHS		
09:00-09:30	Registration	
09:30-09:45	Welcome and opening ceremony	FCHS Director Dr. Daryl Archibald Cornish
09:45-10:30	L1: Interaction of ionizing radiation with matter and the physics of radiology	S. Somanesan (IAEA Expert)
10:30-11:00	L2: Radiography and Medical Imaging program at FCHS	Dr. Mohamed Ayasrah (FCHS)
11:00-11:15	<b>Coffee break: 15 minutes</b>	
11:15-12:00	L3: Importance and use of diagnostic reference levels DRLs for patient dose monitoring	Napapong Pongnapang (IAEA Expert)
12:00-12:30	L4: Women imaging in pregnancy	Dr. Jamal ALKoteesh (Al Ain Hospital)
12:30-13:30	<b>Lunch break: One hour</b>	
13:30-14:30	L5: Justification and optimization of radiology practices and international framework in Radiation Protection in Radiology	Napapong Pongnapang and Meenakshi Thakur (IAEA Expert)

DAY TWO: 11 Sep 2017 @ FCHS		
09:00-09:45	L6: How to Manage staff and patient dose monitoring in Interventional Radiology, planar imaging, mammography and CT	Napapong Pongnapang (IAEA Expert)
09:45-10:30	L7: Updated recommendations on radiological protection/safety (best practices)	S. Somanesan (IAEA Expert)
10:30-11:00	L8: Role of Radiographers & Nurses in Interventional Radiology	Haleema Saripada (Al Ain Hospital)
11:00-11:15	<b>Coffee break: 15 minutes</b>	
11:15-12:00	L9: Radiation incidents in diagnostic radiology, radiotherapy and nuclear medicine	S. Somanesan (IAEA Expert)
12:00-12:30	L10: CANCER IN UAE & TREATMENT BY RADIOTHERAPY	Dr. Syed Mansoor (Tawam Hospital)
12:30-13:30	<b>Lunch break: One hour</b>	
13:30-14:30	L11: Radiation in Health Care	Dr. Meenakshi Thakur (IAEA Expert)

<b>DAY THREE: 12 Sep 2017 @ FCHS</b>		
09:00- 09:45	L12: Quality Management and enhancing best practices in Radiology	Napapong Pongnapang (IAEA Expert)
09:45-10:30	L13: Advanced Diagnostic Radiology modalities and techniques in Clinical practice	Dr. Meenakshi Thakur (IAEA Expert)
10:30-10:45	<b>Coffee break: 15 minutes</b>	
10:45-11:15	L14: New development in the technology of Radiation oncology	Dr. Khadeeja Elfadil (Tawam Hospital)
11:15-12:00	L15: Quality Management and enhancing best practices in Nuclear Medicine	S. Somanesan (IAEA Expert)
12:00-12:30	L16: Radiation Measurement Units – Reality & Confusion	Dr. Mohamed Ayasrah (FCHS)
12:30-13:30	<b>Lunch break: One hour</b>	
13:30-14:30	L17: Biological effects of ionizing radiation and associated risks	Dr. Meenakshi Thakur (IAEA Expert)
<b>DAY FOUR: 13 Sep 2017 @ FCHS</b>		
09:00-10:00	L18: Required training for qualified imaging, radiotherapy and nuclear medicine radiographer	Napapong Pongnapang (IAEA Expert)
10:00-11:00	L19: Interesting Radiology cases - “Read with experts”	Dr. Meenakshi Thakur (IAEA Expert)
11:00-11:15	<b>Coffee break: 15 minutes</b>	
11:15-11:45	L20: Simulated Learning. Is it the Right Approach	Abubakar Bello Abubakar (FCHS)
11:45-12:30	L21: Current state of Nuclear Medicine imaging and radionuclide therapy.	S. Somanesan (IAEA Expert)
12:30-13:30	<b>Lunch break: One hour</b>	
13:30-14:30	L22: Radiation Myths and Realities	Dr. Meenakshi Thakur (IAEA Expert)
14:30-15:00	Closing Ceremony/Certificates	FCHS Director Dr. Daryl Archibald Cornish
<b>DAY FIVE: 14 Sep 2017 @ Al Ain Hospital</b>		
09:00-11:00	Practical session I (for IR Radiographer and Radiologist)	IAEA Expert
11:30-13:30	Practical session II (for IR Physics)	IAEA Expert