

**PROGRAM AT A GLANCE | Saturday, 12 FEBRUARY 2022**

PRE-ICRM	
SESSION I	
<b>Code:</b>	MP
<b>Activity Type/Title:</b>	Pre-ICRM 2022 I: Diagnostic Imaging Physics Review Course
<b>Coordinator(s):</b>	Omar Noor
<b>Moderator(s):</b>	Omar Noor
13:00 – 13:40	<b>Digital Radiography Imaging Chain Overview</b> Mahmoud Ahmed
13:40 – 14:10	<b>Digital Detectors &amp; AEC</b> Fahad Abdulkhaliq
14:10 – 14:50	<b>Image Processing and Image Quality Assessment</b> Konstantinos Chantziantoniou
14:50 – 15:30	<b>Digital Radiography Annual Physics QC</b> Mohammed Kharita
<b>SESSION II</b>	
<b>Code:</b>	MP
<b>Activity Type/Title:</b>	Pre-ICRM 2022 II: Diagnostic Imaging Physics Review Course
<b>Coordinator(s):</b>	Omar Noor
<b>Moderator(s):</b>	Konstantinos Chantziantoniou
16:00 – 16:40	<b>CT Physics: Principles and Advances of CT</b> Adel Mustafa
16:40 – 17:20	<b>CT Dosimetry</b> Adel Mustafa
17:20 – 18:00	<b>CT ACR/ Annual Physics QC</b> Timothy Szczykutowicz
<b>SESSION III</b>	
<b>Code:</b>	MP
<b>Activity Type/Title:</b>	Pre-ICRM 2022 III: Diagnostic Imaging Physics Review Course
<b>Coordinator(s):</b>	Omar Noor
<b>Moderator(s):</b>	Maryam Alhashim
18:30 – 19:00	<b>Ultrasound Physics: Principles and Current Vendor Technologies</b> Eenas Omari
19:00 – 19:30	<b>Advance US Techniques</b> Abdulrahman Alfuraih
19:30 – 20:00	<b>US Annual Physics QC</b> Eenas Omari

## PROGRAM AT A GLANCE | SUNDAY, 13 FEBRUARY 2022

SESSION I									
Code:	DIR	DIR	DIR	RO-MP	MP	MP	RP-RB&ER	RT	AFU
<b>Activity Type/Title:</b>	MSK Imaging: Uncommon Tough Exam / Review Cases in MSK Radiology	Cardiothoracic Imaging: Updates	Breast Imaging Masterclass: Clinical Perspective	Pre-ICRM 2022 I: Radiotherapy Physics & Dosimetry	Pre-ICRM 2022 IV: Diagnostic Imaging Physics Review Course	Dosimetry For Treatment of HCC Using Y90: The Physicist Role	Radiation Protection, Radiobiology and Emergency Response: Refresher Course	COVID19-Radiology	The Art of Educating in Radiology: An Educational Evidence-Based Approach Part I
<b>Coordinator(s):</b>	Khalid Alismail	Khalid Alismail	Nuha Khoumais	Waleed Al-Najjar, Wamied AbdelRahman, Mukhtar Alshanhqity	Omar Noor	Refaat Almazrou	Ghazi Alsbeih	Saad Alenezi	Ayman Mohamed
<b>Moderator(s):</b>	Abdulrahman Khawaji & Mohammed Alsalman	Mnahi Bin Saeedan & Bader Alfadhel	Wafaa Alkhayal & Shaza Alsharif	Belal Mofthah, Waleed Al-Najjar	Abdullah Aldossari	Meshari AlNuaimi & Refaat AlMazrou	Ghazi Alsbeih & Mehenna Arib	Saad Al Enezi & Ruchana Parker & Ghasan Abduturboush	Ayman Mohamed, Raed Albar
<b>13:00 – 13:30</b>	Interactive Case Review Mohammed Alsalman	Post COVID Lung Imaging Findings Mini Pakkal	How to Work up Breast Pain? Reem Alshaikh Breast Pain: Imaging Prospective Nuha Khoumais	Radiation Physics Wamied AbdelRahman	Mammography Physics: Principles and Current Vendor Technologies Bassem Elshahat	Clinical Indications, Y90 Physics and Treatment Workout Maryam Alhashim	Welcome Notes and Introduction Ghazi Alsbeih	General Concept in Best Practices While Handling COVID-19 Patients in Radiology Ali Zailae	The Art of Educating in Radiology: An Educational Evidence-Based Approach Part I Ayman Mohamed & Raed Albar
<b>13:30 – 14:00</b>	Interactive Case Review Meshal Alshaalan	How to Approach Pulmonary Micondoules? Nadeem Parkar	How to Work up Nipple Discharge? Reem Alshaikh Nipple Discharge: Imaging Prospective Jessica Leung	Radiation Dosimetry Wamied AbdelRahman	Breast Screening: Contrast Enhanced & MRI/ US Mammography Bassem Elshahat	Dosimetry Options with Successful Cases Maryam Alhashim	Radiation Detection and Dose Measurements. Mehenna Arib		
<b>14:00 – 14:30</b>	Interactive Case Review Tarek Hegazi	Lymphatic Pathways of the Thorax: Predictable Patterns of Spread Brett Carter	How to Work up Palpable Breast Masses? Wafa Alkhayal Palpable Breast Masses: Imaging Prospective Jessica Leung	Radiation Detection and Measurements Mehenna Arib	Mammography Quality Control Tests: Technologist and Physicists Bassem Elshahat	Radiation Safety and Special Considerations for IR Suite Maryam Alhashim	Biological Effects of Ionizing Radiation. Ghazi Alsbeih		
<b>14:30 – 15:00</b>	I will see you at the Court Jim Wu	Mediastinal Lesions: Approach And Case Based Review (Part 1) Brett Carter	How to Work up Symptomatic Breast During Pregnancy? Hanien Abduljabbar Symptomatic Breast During Pregnancy: Imaging Prospective Samar Shigairi	Reference Dosimetry I (TG-51 & TRS-398) Mamoun Shehadeh	ACR Accreditation: Do's and Don'ts Bassem Elshahat	Radiation Emergencies: Scope of the Problem Nasser Shubayr	Radiology Tech. as 1st Line - COVID19 Experience in Saudi and International Experience Rashed Alruwais & Mohd Majed Al Otaibi		
<b>15:00 – 15:30</b>	Interactive Case Review Adnan Sheikh	Mediastinal Lesions: Approach and Case Based Review (Part 2) Brett Carter	Q&A	Reference Dosimetry II (TG-51 & TRS-398) Mamoun Shehadeh			Major Nuclear Accidents Belal Mofthah	Artificial Intelligence in Radiology. Ethical Considerations Ioannis Tsougos	
15:30 – 15:45   BREAK									
SESSION II									
Code:	DIR	DIR	DIR	RO-MP	MP	RP-RB&ER	RT	AFU	
<b>Activity Type/Title:</b>	MSK Imaging: Intervention	Cardiothoracic Imaging: Case Based Review	Breast Imaging Masterclass: Clinical Perspective	Pre-ICRM 2022 II: External Beam Radiotherapy	Pre-ICRM 2022 V: Diagnostic Imaging Physics Review Course	Radiation Protection, Radiobiology and Emergency Response: Refresher Course	Ultrasound & Interventional Radiology	Alfaisal University Radiology Education	

Coordinator(s):	Khalid Alismail	Khalid Alismail	Nuha Khoumais	Waleed Al-Najjar, Wamied AbdelRahman, Mukhtar Alshantqity	Omar Noor	Ghazi Alsbeih	Saad Alenezi	Ayman Mohamed	
Moderator(s):	Khalid Khashoggi & Saleh Alreshoodi	Mnahi Bin Saeedan & Bader Alfadhel	Nora Almana & Badr Binhimd	Waleed Al-Najjar	Habib Alsaleh	Nasser Shubayr & Musaed Almalki	Ahnaf Arafah & Mohd El thamanh & Ghasan Abduturboush	Ayman Mohamed, Raed Albar	
15:45 – 16:00	Novel Imaging Techniques in the Evaluation of Muscle Disorders Jim Wu	Case Based Review Mnahi Bin Saeedan	Disease of the Nipple Areolar Complex Faten Albukhari	Linear Accelerators Components Abdullah Al-Kafi	MRI Physics Atiyah Yahya	دور المديرية العامة للدفاع المدني في إدارة الطوارئ الإشعاعية (The role of the General Directorate of Civil Defense in Managing Radiological Emergencies) Colonel Saty Alotaibi	Doppler Assessment and Perinatal Care Amal Alsolai	A Personality Based Approach for Mentoring Radiology Residents and Trainees Ayman Mohamed & Raed Albar	
16:00 – 16:30									Sarcopenia: Current Concepts and Imaging Biomarkers Jim Wu
16:30 – 17:00	Peripheral Nerve Imaging Swati Devendra Deshmukh	Case Based Review Bader Alfadhel	Size Discrepancy: When to Worry? Wafaa Alkhayal	MRI Image Formation Walter Block	Saudi Emergency Response Preparedness Network Nasser Shubayr	Knowledge And Skills Transition General Radiographer To Interventional Radiology Technologist : Personnel Experience Mahmoud Al Abri			
17:00 – 17:30							Association of Aspirin and Other Non-Steroidal Anti-Inflammatory Drugs on Bleeding Complications in Image-Guided Musculoskeletal Biopsy Jim Wu		Case Based Review Mnahi Bin Saeedan
17:30 – 18:00	MRI of Arthroplasty Swati Devendra Deshmukh	Case Based Review Mnahi Bin Saeedan	Q&A	MU Calculations Abdullah Al-Kafi	Pulse Sequences Abdullah Abu Jamea	Discussion			
							Abstract: 1 Mohd Al shahrani		Abstract: 2 Ezzeddine Jeibi
18:00 – 18:30   BREAK									
<b>SESSION III</b>									
Code:	DIR	DIR	DIR	RO-MP	MP	RP-RB&ER	General		AFU
Activity Type/Title:	MSK Imaging: Common Exam Oriented Case Based Review	Cardiothoracic Imaging: Updates	Breast Imaging Masterclass: Clinical Perspective	Pre-ICRM 2022 III: Selected Topics in Radiotherapy	Pre-ICRM 2022 VI: Diagnostic Imaging Physics Review Course	Radiation Protection, Radiobiology and Emergency Response: Refresher Course	Public Awareness about radiation/ Radiation in our life and health		Alfaisal University Radiology Education
Coordinator(s):	Khalid Alismail	Khalid Alismail	Nuha Khoumais	Waleed Al-Najjar, Wamied AbdelRahman, Mukhtar Alshantqity	Omar Noor	Ghazi Alsbeih	Sara Alhazani	Ayman Mohamed	
Moderator(s):	Meshal Alshaalan & Tarek Hegazi	Mnahi Bin Saeedan & Bader Alfadhel	Kausar Suleman & Nuha Khoumais	Waleed Al-Najjar	Abdullah Abu Jamea	Ghazi Alsbeih & Khaled Alhadyan	Saad Binjamaan	Ayman Mohamed, Raed Albar	

18:30 – 19:00	Case Based Review Manickam Kumaravel	Lung Infections in Oncology and Immunocompromised Patients Brett Carter	Breast Cancer Screening Jessica Leung	Treatment Plan and Chart Review Bilal Jalal	MRI Artificats Walter Block	Personal Dosimetry Ibrahim Algain	نعمة وجود الإشعاع لصحتنا شادي العنزي	Student Activity: The Interplay Between Personality Traits and Study Strategies: A Tool for Radiology and Health Professions Students Ayman Mohamed & Raed Albar
19:00 – 19:30	Case Based Review Manickam Kumaravel	Role of Imaging in Pulmonary Hypertension Assessment Elena Peña	Risk Stratification Made Easy Meteb Alfoheidi	Imaging in Radiotherapy Slobodan Devic	MRI Annual Physics QC Habib Alsaleh	National Biodosimetry Laboratory in Saudi Arabia Khaled Alhadyan	تعرف أكثر عن الرنين المغناطيسي أحمد مساوي	
19:30 – 20:00	Case Based Review Avneesh Chhabra	Congenital Cardiac Disease: CT Protocol and Approach with Examples Cristina Fuss	Biomarkers in Breast Cancer: Current Clinical Applications Jessica Leung	Brachytherapy Slobodan Devic	MR Safety Ahmed Masawi	Basic Concepts of Radiation Protection Fareed Mayhoub	ما يهمك معرفته عن الموجات فوق صوتية سامية العتيبي	
20:00 – 20:30	Case Based Review Avneesh Chhabra	Acute Aortic Syndrome Cristina Fuss	Q&A			Emergency Response Planning Ghazi Alsbeih	تطبيقات الإشعاع في حياتنا أكرم موسى	
20:30 – 21:00	Case Based Review Jim Wu	Cardiac MRI Role in Cardiomyopathy Evaluation Cristina Fuss				Basics of Radiopathology Ghazi Alsbeih	أسئلة و أجوبة	
21:00 – 21:30	Case Based Review Jim Wu	Q&A						

## PROGRAM AT A GLANCE | MONDAY, 14 FEBRUARY 2022

13:00 – 13:30   OPENING CEREMONY										
PLENARY KEYNOTE LECTURES I										
<b>Code:</b>	Plenary Session									
<b>Activity Type/Title:</b>	Plenary Keynote Lectures									
<b>Coordinator(s):</b>	Belal Mofthah									
<b>Moderator(s):</b>	Debbie Van-Der Merwe, Arwa Badeeb, Edward Devol									
13:30 – 13:55	<b>Enhancing Quality and Safety in Medical Use of Radiation: WHO Views and Actions</b> Maria del Rosario Perez									
13:55– 14:20	<b>Quality Improvement in Radiation Medicine: IAEA perspective</b> Diana Paez									
14:20 – 14:45	<b>Population-Based Survival for Cancer Patients in KSA</b> Shouki Bazarbashi									
14:45 – 15:10	<b>Innovations in Radiotherapy and Future Directions</b> Saiful Huq									
15:10 – 15:30	<b>Artificial Intelligence Will Transform Radiation Oncology</b> Raymond Mak									
15:30 – 15:45   BREAK										
PARALLEL SESSION I										
<b>Code:</b>	DIR		DIR		NM	MP	RP-RB&ER	ET-3DP	RT	AFU
<b>Activity Type/Title:</b>	Body: Liver, Pancreas, Spleen, & GI		Neuroradiology: Updated Neuroimaging Topics		Nuclear Medicine: Advances in PET techniques & Pediatric NM	SFDA Requirements for Safe Use of Radiation Emitting Medical Devices	Radiation Protection, Radiobiology and Emergency Response	3D Printing	CT & MRI Services	Alfaisal University Radiology Education - X-ray for Students: Deciphering the Chest and Extremities
<b>Coordinator(s):</b>	Khalid Alismail		Khalid Alismail		Riyadh Alsalloum & Refaat Almazrou	Nasser Alaboudi	Ghazi Alsbeih	Ahmad Nobah	Saad Alenezi	Ayman Mohamed
<b>Moderator(s):</b>	Abdulrahman Abalkhail		Fahad Albader & Khaled Alahmadi		Riyadh Alsalloum & Refaat Almazrou	Nasser Alaboudi	Ghazi Alsbeih & Elizabeth Ainsbury	Waleed Althobaity	Khaled Al Shalali & Huthaifah Al Twajiri & Sameer Aldulikan	Abdulrahman Abuzubida, Haroon Javaid & Abdulrahman Alnwiji
15:45 – 16:00	Liver Khaled Elsayes		Diffusion Weighted Imaging Pathology: More Than Infarct Asim Mian		Recent Advances in PET/CT Osama Mawlawi	Overview of Medical Devices Regulation Ali Aldalaan & Nasser Alaboudi	Whole Body Radiation Effects (ARS) Elizabeth Ainsbury	3DP Sub-Track (Overview) Waleed Althobaity	Fat Imaging and Quantification by MRI; Recent Techniques and Applications Ahmad Alhulail	Basics of X-ray
16:00 – 16:30						The Importing and Exporting Medical Radioactive Materials Requirements for Healthcare Providers Abdulmajeed Almansour & Yousuf Gazder		Introduction and Work Flow of In-House 3D Printing Adnan Sheikh		
16:30 – 17:00						The Safe Use Requirements of Radiation Emitting Medical Device for Healthcare Providers and National Diagnostic Reference Level (NDRL) Fahad Alothaim		3D Printing Regulation and Challenges Frank Rybiki		
	Pancreas Khaled Elsayes		Incorporating fMRI and DTI into Clinical Practice Haris Sair			Cutaneous Radiation Syndrome (Local Radiation Injury) Mohammad Alotaibi	Epinal Radiation Accident: Treatment and Follow Up Radia Tamarat	MRI Spectroscopy, MRI Advanced Imaging Procedures, Recent Advance in MRI Safety Ioannis Tsougos	The Art of Educating in Radiology: An Educational Evidence-Based Approach Part II Hassan Shaibah & Nora Alhomidan	
	Spleen Khaled Elsayes		Basics of Brain Tumor Imaging Muhannad Ibrahim		PET Parameters Standardization; SUV, MTV and TLG Osama Mawlawi			3D Printing in Cardiothoracic Leonid Chepelev	Recent Advances in Magnetic Resonance Neuroimaging Abdullah Abujamea	Common Chest X-ray Pathologies



17:00 – 17:30	GI & Abdomen Khaled Elsayes	The 2021 Updates Of The WHO Classification Of The CNS Tumors Muhannad Ibrahim	Theranostics in Children Reza Vali	Panel Discussion National Diagnostic Reference Level (NDRL) Project Ali Aldalaan, Belal Moftah, Sarah Albehiti, Abdulrahman Almutairi & Abdullah Aldosari	WHO Guidelines for Iodine Thyroid Blocking Zhanat Carr	3D Printing Quality Assurance Program Prashanth Ravi	Optimisation of Radiation Dose in CT: Challenges and Opportunities Abdelmoneim Sulieman	Approach to interpret X-ray of Extremities
17:30 – 18:00	Case Based Body US Review Aya Kamaya	Post Treatment Complications in Head & Neck Imaging Bronwyn Hamilton	Recent Advances in Evaluation of Bone Density in Children Reza Vali		Panel Discussion		Breast Computed Tomography with Synchrotron Radiation Luigi Rigon	

18:00 – 18:30 | BREAK

PARALLEL SESSION II

Code:	DIR	DIR	NM	RO-MP	MP	RP-RB&ER	ET-3DP	RT	AFU
<b>Activity Type/Title:</b>	Body: Hot Topics in Abdomen Imaging	Neuroradiology: Case Based Review	Nuclear Medicine: Theranostics	Innovations in Radiation Oncology & Radiation Physics I	Advance Technologies in Computed Tomography & MRI	Radiation Protection, Radiobiology and Emergency Response	3D Printing	Nuclear / PET / Radiopharmaceutical	Alfaisal University Radiology Education - CT for Students: Decrypting the Chest and Head
<b>Coordinator(s):</b>	Khalid Alismail	Khalid Alismail	Moheieldin Abouzied, Mohammed Alrowaily & Riyadh Alsalloom	Saad Aldelajjan & Mohammed Alshabanah	Omar Noor	Ghazi Alsbeih	Ahmad Nobah	Saad Alenezi	Ayman Mohamed
<b>Moderator(s):</b>	Abdulrahman Abalkhail	Khaled Alahmadi & Dalia Jdkarim	Mohammed Alrowaily & Moheieldin Abouzied	Khizar Hayat & Ismail Aldahlawi	Abu Haimd & Konstantinos Chantziantoniou	Mehenna Arib & Christopher Clements	Ahmad Nobah	Miss.Ruchana Parker & Mr.Mohd El Athamanh & Sameer Aldulikan	Faezuddin Syed & Muhammad Elahi
18:30 – 19:00	Crohn's Inflammation and Strictures: What Your Gastroenterologist and Surgeon Need to Know Joel Fletcher	Brain Surface Anatomy, What Every Neuroradiologist Needs to Know Muhannad Ibrahim	Radioiodine Therapy in Differentiated Thyroid Cancer: An Update Mahmoud Tuli	Automation in Radiotherapy Issam El Naqa	Dual- and Multi-Energy CT: Principle, Technical Approaches and Clinical Applications Adel Mustafa	International System of Radiation Safety Oleg Belyakov	Medical Image Computing and Visualization Juan Alzola	Assessment of The Efficacy of a Thermoluminescent Dosimeters Holder for A Multicentre Stereotactic Radiosurgery Eye Dose Audit David Bradley	Basics of CT
19:00 – 19:30	MR Staging of Rectal Cancer Joel Fletcher	White Matter Imaging in Glioma Haris Sair	The Theranostics Approach in Prostate Cancer: Current and Future Clinical Applications Francesco Ceci	Innovations in Image-guided Brachytherapy Techniques and Devices Ivan Buzurovic	Photon-Counting CT: Technical Principles and Clinical Prospects Mahadevappa Mahesh	Role of WHO REMPAN in the Global Preparedness and Response to Radiation Emergencies Zhanat Carr	Model Construction for Biomedical 3D Printing Mónica García	Sterility & Instability of Radiopharmaceuticals Mohd Al Ruwaily	Approach to interpret Chest CT
19:30 – 20:00	Use Quantitative MRI biomarkers for diffuse liver disease Mustafa Bashir	Anatomy and Pathology of the Oral Cavity & Oropharynx Muhannad Ibrahim	New Aspects of PSMA Radioligand Therapy in mCRPC Fadi Khreish	MRI Online Adaptive Radiotherapy Eenas Omari	Protocol Optimization in CT Timothy Szczykutowicz	The Latest Situation Regarding Radiosensitivity and Protection of the Lens of the Eye Elizabeth Ainsbury	3D Printing & Manufacturing in Thoracic Surgery Donato Monopoli	Altered Biodistribution of Radiopharmaceuticals & Pharmacologic Factors and Drug Interactions Mohd Al Ruwaily	Common Chest CT Pathologies
20:00 – 20:30	LI-RADS, lessons learned since version 2018 Mustafa Bashir	Case Based Review Muhannad Ibrahim	Actinium 225 PSMA RLT in mCRPC Fadi Khreish	Surface Guided Radiation Therapy: Applications and Recent Advances Todd Pawlicki	CT Contrast 101 for Physicist Timothy Szczykutowicz	An Introduction to the System of Radiological Protection with an Emphasis on Medicine Christopher Clement	3D Printing Applications in Thoracic Surgery Norberto Rodriguez	Discussion Abstract 4 Rowa Al Jondi Abstract 5 Ali Koreri	Approach to interpret Head CT
20:30 – 21:00	Panel Discussion	Case Based Review Muhannad Ibrahim	Optimization of The PRRT In NET Fadi Khreish	Linear Accelerators QA Using Statistical Process Control	MR Image-Guided Brain Surgery Walter Block		Panel Discussion	Abstract 6 Kholod Al shaye	Common Head CT Pathologies

				Todd Pawlicki		Current and Recent ICRP Work on Radiological Protection in Medicine Christopher Clement		Abstract 7 Rayan Fawrah	
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<span style="display: inline-block; width: 10px; height: 10px; background-color: #FFC0CB; border: 1px solid black;"></span> Diagnostic and Interventional Radiology	<span style="display: inline-block; width: 10px; height: 10px; background-color: #ADD8E6; border: 1px solid black;"></span> Radiation Protection, Radiobiology and Emergency
<span style="display: inline-block; width: 10px; height: 10px; background-color: #E6E6FA; border: 1px solid black;"></span> Nuclear Medicine	<span style="display: inline-block; width: 10px; height: 10px; background-color: #ADD8E6; border: 1px solid black;"></span> Emerging Technologies
<span style="display: inline-block; width: 10px; height: 10px; background-color: #FFC0CB; border: 1px solid black;"></span> Radiation Oncology	<span style="display: inline-block; width: 10px; height: 10px; background-color: #FFD700; border: 1px solid black;"></span> Radiologic Technology
<span style="display: inline-block; width: 10px; height: 10px; background-color: #FF6347; border: 1px solid black;"></span> Medical Physics	

## PROGRAM AT A GLANCE | TUESDAY, 15 FEBRUARY 2022

PLENARY KEYNOTE LECTURES II											
<b>Code:</b>	Plenary Session										
<b>Activity Type/Title:</b>	Plenary Keynote Lectures										
<b>Coordinator(s):</b>	Belal Mofthah										
<b>Moderator(s):</b>	Abdulaziz Alrajhi, Edward Cupler, Yusuf Alkadhi										
13:00 – 13:25	Theransotics: Current Applications And Emerging Opportunities Rodney Hicks										
13:25 – 13:50	PET/MR Technology and Its Future Habib Zaidi										
13:50– 14:15	Emerging Technologies in Health Professions Education Daniel Salcedo										
14:15 – 14:40	3D Printing - What's New Adnan Sheikh										
14:40 – 15:05	Assuring High-Quality AI Science in Radiology Charles Kahn										
15:05 – 15:30	ICRP and The Future of Radiological Protection Christopher Clement										
15:30 – 15:45   BREAK											
PARALLEL SESSION III											
<b>Code:</b>	DIR	DIR	NM	RO-MP	MP	MP	RP-RB&ER	RP-RB&ER	ET-AI	ET-3DV	AFU
<b>Activity Type/Title:</b>	Body: Case Based Review In GU And US	Neuroradiology	Nuclear Medicine: Advances in PET & SPECT	Innovations in Radiation Oncology & Radiation Physics II	Radiation Protection in Diagnostic Imaging & Abstract Presentations	Nuclear Medicine Physics I	Radiobiology and Emergency Response	Radiation Protection/Diagnostic Imaging	General AI Clinical Applications	3D Visualization & Simulation In Medical Education	Alfaisal University Radiology Education - US for Students: Descrambling the Abdomen and Pelvis
<b>Coordinator(s):</b>	Khalid Alismail	Khalid Alismail	Moheieldin Abouzied & Riyadh Alsalloum	Mohammed Alshabanah & Saad Aldelaijan	Mehenna Arib	Refaat Almazrou	Ghazi Alsbeih	Mehenna Arib & Omar Noor	Ahmad Nobah	Ahmad Nobah	Ayman Mohamed
<b>Moderator(s):</b>	Faisal Alballa	M. Alsuhairani & Manal Jalwin	Alharbi & Ahmad Almuhaideb	Mohammed Alshabanah & Tarek Bait Almal	Mehenna Arib & Omar Noor	Maryam AlHashim & Shadei Alanazi	Ghazi Alsbeih & Khaled Alhadyan	Mehenna Arib & Omar Noor	Ahmad Abusalah	Ahmad Nobah/Ayman Awadh	Ahsan Amanullah, Abdulrhman Eldeib & Mohammad Mithani
15:45 – 16:00	Adrenal Khaled Elsases	Task Functional MRI for Preoperative Brain Mapping Haris Sair	FAPI PET/CT Rodney Hicks	FLASH Radiotherapy Physics Magdalena Bazalova-Carter	Reference Standards for Diagnostic Radiology Mehenna Arib	DRLs in Nuclear Medicine and Optimization of Clinical Protocols Meshari Alnuaimi	WHO BioDoseNet Network Zhanat Carr	Reference Standards for Diagnostic Radiology Dosimetry Mehenna Arib	Integrating AI in Radiological Workplaces - Concepts, Requirements, And Implementation Peter Mildenberger & Lukas Muller	Current & Future of Medical Education Daniel Salcedo	Basics of Ultrasound
16:00 – 16:30											

16:30 – 17:00	Kidney Khaled Elsayes	Clinical Implementation of Active Task Based fMRI: Physiology, Technology & Pitfalls Asim Mian	PET Imaging in Prostate Cancer: Which Patient, Which Tracer Francesco Ceci	Overview of FLASH Therapy Modalities Marco Durante	Uncertainty Measurements in Diagnostic Radiology Paula Toroi	Theranostics in Nuclear Medicine: Current and Future Trends Dale Bailey	IAEA Research Program in Radiobiology Oleg Beliaev	Uncertainty Measurements in Diagnostic Radiology Paula Toroi	Medomics: Integrative Data Modeling in Oncology Martin Vallieres	VR/AR/XR; How Are They Alike, How Are They Different? Michelle Aebersold	Approach to Interpret Abdominal Ultrasound and Common Pathologies
	Retroperitoneum/ Peritoneum Khaled Elsayes	Resting State fMRI for Pre-Operative Brain Mapping Haris Sair	Imaging Neuroendocrine Tumors Miad Alsulami	Overview of FLASH Therapy Biology Pierre Montay-Gruel	High Patient Doses (over 100 mSv) in Medical Imaging Madan Rehani	Theranostics in Nuclear Medicine: Current and Future Trends Carlo Chiesa			Biodosimetric Methods and Infrastructure to Combat COVID-19 Pandemic Oleg Belyakov	High Patient Doses (over 100 mSv) in Medical Imaging Madan Rehani	
17:00 – 17:30	Pelvis Khaled Elsayes	Sinonasal Masses & Mimics Browyn Hamilton	DAT Sacan in Movement Disorders Yazeed Aldalilah	Electron Based Flash Measurements and Commissioning, The CHUM Experience Francois DeBlois	Radiation Protection of Patients in Interventional Procedures Madan Rehani	The Promise of Artificial Intelligence in Nuclear Medicine Physics Habib Zaidi	Application of Gamma-Sterilization in COVID-19 Pandemic Khaled Alhadyan	Radiation Protection of Patients in Interventional Procedures Madan Rehani	AI in Breast Imaging & Cancer Maryellen Giger	Serious Games, Serious Results: Enhancing Learner Engagement in Medical Education Candace Pau	Approach To Interpret Pelvic Ultrasound And Common Pathologies
	GU Emergencies in males Sadhna Verma	Opportunistic Infections in Head & Neck Imaging Browyn Hamilton	Updates on Imaging Infection and Inflammation Lina Smaragandy	Clinical Advances in FLASH Therapy Ricky Sharma	Discussion	Artificial Intelligence Capabilities and Collaborations at King Faisal Specialist Hospital and research Center Mohammad Alhamid			Clinical Learning Environments BT (The Time Before) and AC (After COVID) Kardong-Edgren		
17:30 – 18:00	GU Emergencies in Females Sadhna Verma			Q&A			Panel Discussion	Panel Discussion	Discussion		
18:00 – 18:30   BREAK											
PARALLEL SESSION IV											
<b>Code:</b>	DIR	DIR	NM	RO-MP	MP	MP	RP-RB&ER	ET- AI	ET-3DV	AFU	AFU
<b>Activity Type/Title:</b>	Body: Prostate & UB	Neuroradiology	Nuclear Medicine: Theranostics	Innovations in Radiation Oncology & Radiation Physics III	Evaluation of Fluoroscopy Imaging Systems	Nuclear Medicine Physics II	Radiobiology and Emergency Response & Abstract Presentation	AI in Radiation Oncology	3D Visualization – Clinical Applications	Alfaisal University Radiology Education	Engineering Innovations: Applications for Radiology and Healthcare Providers
<b>Coordinator(s):</b>	Khalid Alismail	Khalid Alismail	Moheieldin Abouzied	Saad Aldelajjan & Mohammed Alshabanah	Omar Noor	Refaat Almazrou	Ghazi Alsbeih	Ahmad Nobah	Ahmad Nobah	Ayman Mohamed	Ayman Mohamed
<b>Moderator(s):</b>	Faisal Alballa	M. Saravanan & Dalia Jadhkarim	Ahmed Fathala & Hossam Elzeftawy	Mohammed Aldehaim & Saad Aldelajjan	Fahad Abdulkhaliq & Mahmoud Ahmed	Refaat Almazrou & Sami AlShaikh	Ghazi Alsbeih & Mehenna Arib	Habib Alsaleh	Ahmad Nobah/Ayman Awadh	Ayman Mohamed	Ayman Mohamed



18:30 – 19:00	<b>Prostate Imaging: Localized Disease (Detection, Local and Distant Staging)</b> Ismail Turkbey	<b>Case Based Review</b> Asim Mian	<b>An Academic Institution Experience Bringing PSMA PET to The US: 2015-2021</b> Andrei Iagaru	<b>Artificial Intelligence in Radiotherapy</b> Issam El Naqa	<b>Interventional Angiography System and Imaging Chain</b> Pei-Jan Lin	<b>Factors influencing Patient Dose and Image Quality in SPECT and SPECT/CT</b> John Dickson	<b>Abstract Presentation 1</b> Hanan Aldousari, Khaled Alhadyan, Mohammad Alsulimane	<b>Artificial Intelligence in Radiotherapy</b> Issam El Naqa	<b>3D Biomedical Visualization with 3D Slicer in Thoracic Surgery</b> Juan Alzola	<b>MRI for students: Decoding Complex Joints and the Brain</b> Ahmed Maklad & Safwan Abbasi	<b>Applications of Smart Materials to Orthopedic: Total Hip Replacement: Design of Stemless Hip Replacement Prosthesis</b> Hind Derar
19:00 – 19:30	<b>Prostate Imaging: Recurrent and Metastatic Disease</b> Ismail Turkbey	<b>Introduction to Spine Imaging: Anatomy, Pathology and Mimics</b> Muhannad Ibrahim	<b>Opening A Theranostics Clinic: Lessons Learned</b> Andrei Iagaru	<b>Reference Dosimetry for Standard and Non-standard Fields Using IAEA Codes of Practice</b> Saiful Huq	<b>A review of AAPM Reports; TG 125 and TG 190</b> Pei-Jan Lin	<b>SPECT, SPECT/CT and PET/CT Physical Artifacts</b> John Dickson	<b>Abstract Presentation 2</b> Ghazi Alsbeih, Abdullah AL-Othman, Abdullahi Shittu	<b>AI in Radiation Oncology: Current Status and Future Directions</b> Raymond Mak	<b>Virtual/Augmented Reality Use in Thoracic Surgery</b> Jan Arensmeyer & Philipp Feodorovici		
19:30 – 20:00	<b>Imaging of Bladder Cancer</b> Ismail Turkbey	<b>Brain Surface Anatomy, What Every Neuroradiologist Needs to Know</b> Muhannad Ibrahim	<b>Abstract Presentations</b>	<b>Advances in Quality Assurance for Radiotherapy</b> Moyed Miften	<b>A Review/Implementation of AAPM Report TG 272 and Preview of TG 355</b> Pei-Jan Lin	<b>Quality Control and Acceptance Testing of PET/MRI</b> Ivo Rausch	<b>Abstract Presentation 3</b> Mehenna Arib, Salman Miliebari,	<b>Automated Contouring &amp; Planning for LMIC</b> Laurence Court	<b>Importance of 3D Visualization &amp; Imaging for Thoracic Surgery</b> Norberto Rodriguez		
20:00 – 20:30	<b>Ovarian Cyst Lesions: SRU Revised Guidelines, ACR, And O-RADS</b> Aya Kamaya		<b>Abstract Presentations</b>	<b>Treatment Planning System Quality Assurance</b> Moyed Miften	<b>Digital Radiography Artifacts and Resolutions</b> Alisa Walz-Flannigan	<b>Image Reconstruction Algorithms and Image Optimizing in PET/CT</b> Osama Mawlawi	<b>Poster Viewing 1</b> Mohammed Alqahtani, Khalid Alanizy, Ibrahim Algain, Khaled AlQahtani, Mohammed Jowhar	<b>Radiation Oncology AI - Synthetic CT from IGRT CBCT</b> Alan Guo	<b>Exploring The Value of VR in Radiation Oncology Treatment Planning</b> Justin Sutherland		
20:30 – 21:00	<b>Cystic Renal Masses: Updated v. 2019 Bosniak Classification</b> Aya Kamaya		<b>Abstract Presentations</b>		<b>A New Era in CT - High Resolution Acquisitions and Deep Learning Reconstruction</b> Andrew Hernandez		<b>Poster Viewing 2</b> Nadyah Alanazi, Assya Boughalia, Tobias Gilk, Yahya Z. Hazzaa, Hanaa Alsheikh	<b>Radiation Oncology AI - Synthetic CT from MRI</b> Alan Mcmillan	<b>Advancement and Importance of Imaging in The Field of Neurosciences Using 3D Visualizations</b> Nikos Makris		
							<b>Discussion</b>	<b>Discussion</b>		<b>Using Artificial Intelligence in Covid-19 Imaging Analysis of CT Scans</b> Areej Alwabil	
										<b>Enhancing Brain Magnetic Resonance Imaging (MRI) Processing Algorithms Using Modern Deep Neural Networks</b> Nagia Ghanem	

- Diagnostic and Interventional Radiology
- Nuclear Medicine
- Radiation Oncology
- Medical Physics
- 
- Radiation Protection, Radiobiology and Emergency
- Emerging Technologies
- Radiologic Technology

## PROGRAM AT A GLANCE | WEDNESDAY, 16 FEBRUARY 2022

PLENARY KEYNOTE LECTURES II							
<b>Code:</b>	Plenary Session						
<b>Activity Type/Title:</b>	Plenary Keynote Lectures						
<b>Coordinator(s):</b>	Belal Moftah						
<b>Moderator(s):</b>	Khalid Alismail, Waleed Al-Najjar, Fadi Tounsi						
13:00 – 13:25	Extracellular Vesicles for Diagnosis and Treatment in Radio-Oncology Radia Tamarat						
13:25 – 13:50	MR Neurography (MRN) Avneesh Chhabra						
13:50– 14:15	Medical Physics 3.0 and its Essential Need in Modern Medicine Ehsan Samei						
14:15 – 14:40	Are We Able to Protect Patients When We Fully Utilize Justification and Optimization? Madan Rehani						
14:40 – 15:05	Resident Remediation Jim Wu						
15:05 – 15:30	Pivoting to Transform Education and Mentorship during the Pandemic Khaled Elsayes						
15:30 – 15:45   BREAK							
PARALLEL SESSION V							
<b>Code:</b>	DIR	DIR	NM	MP	MP	RP-RB&ER	ET-3DV
<b>Activity Type/Title:</b>	Pediatric: Case Based Review	Interventional Radiology	Nuclear Medicine	IAEA Session	Nuclear Medicine Quality Control	Radiobiology and Emergency Response & Abstract Presentation	A Tool for Medical Education
<b>Coordinator(s):</b>	Khalid Alismail	Khalid Alismail	Riyadh Alsalloum	Debbie Van-Der Merwe	Refaat Almazrou	Ghazi Alsbeih	Ahmad Nobah
<b>Moderator(s):</b>	Abdullah Alshabanat & Ayman Khushaim	Hamad Alsuhaibani & Shadi Saleem	Riyadh Alsalloum	Debbie Van-Der Merwe	Mohamed Abdulsattar & Shadei Alanazi	Ghazi Alsbeih & Mehenna Arib	Ahmad Nobah/Ayman Awadh
15:45 – 16:00	Case Based Review 1 Haifa Alsarhani	Updates on BCLC Classification Amr Elsaddani	Resident Review Lectures Haitham Elsamaloty	Safety Culture in Radiotherapy Ola Holmberg	Acceptance Testing of Dose Calibrators and Well Counters Mahmoud Alabedi	Biodosimetric Assessment of Doses Received in Accidental Radiation Exposure Elizabeth Ainsbury	How to Conduct Simulation Based Education Virtually? Abdulaziz Boker
16:00 – 16:30				Case Based Review 2 Ghufran Alhashimi			

16:30 – 17:00	Case Based Review 3 Paul Guillerman	Updates on Dosimetry Mohamed Abdulsalam	Resident Review Lectures Haitham Elsamaloty	Developments and Resources for Dosimetry in Radiopharmaceutical Therapy Peter Knoll	Gamma Camera and SPECT Quality Control Testing, Unusual Methods Refaat Almazrou	WHO Framework for Mental Health and Psychosocial Support in Nuclear Emergency Zhanat Carr	Quick Review of Education Trends Pre and Post COVID in Simulation Kardong-Edgren
				Updates in Professional Guidance for Medical Physicists Giorgia Loreti			The Ethics of Machine Learning Health Profession Education and Practice Anne Weaver
17:00 – 17:30	Case Based Review 4 Govind Chavhan	Renal Tumors Ablations Mohamed Abdulsalam		Artificial Intelligence for Clinical Medical Physicists Mauro Carrara	Acceptance Testing of PET Using AAPM TG-126 Osama Mawlawi		
				Panel Discussion and Q&A Session Debbie Van-Der Merwe			Discussion
17:30 – 18:00	Q&A	Liver Tumor Ablations Bandar Safar					

17:30 – 18:00 | CLOSING CEREMONY

18:00 – 18:30 | BREAK

### WORKSHOP I

Code:	DIR	DIR	RO-MP	RO-MP	RO-MP	RO-MP	MP	ET-3DV	ET-3DV
Activity Type/Title:	Pediatric Imaging: Updated Topic	Interventional Radiology: Case Based Review	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop
Coordinator(s):	Khalid Alismail	Khalid Alismail	Wamied AbdelRahman	Waleed Al-Najjar	Camelia Constantinescu	Ismail AlDahlawi & Saad Aldelaijan	Omar Noor	Ahmad Nobah	Ayman Awad
Moderator(s):	Faisal bin Hussain & Abdullah Alshabanat	Mohammad Badran & Shagran Binkhamis	Wamied AbdelRahman	Waleed Al-Najjar	Camelia Constantinescu	Ismail AlDahlawi & Saad Aldelaijan	Omar Noor	Ahmad Nobah	Ayman Awad
18:30 – 19:00	Liver MRI in Children Govind Chavhan	Case Based Review 1 Amr ElSaddani	Shielding Calculations for Radiotherapy Wamied AbdelRahman	Reference Dosimetry and Cross Calibration of Ionization Chambers Saiful Huq, Waleed Al-Najjar & Abdullah Al-Kafi	Patient Specific Quality Assurance Moyed Miften, Camelia Constantinescu & Mamoun Shehadeh	Planning and QA in GYN HDR Brachytherapy with the Venezia Hybrid Applicator Noha Jastniyah & Ivan Buzurovic	Fluoroscopy Annual Physics QC Mahmoud Ahmed	Simulation Scenario Writing Kardong-Edgren	Virtual Simulation: A tool to enhance the existing Simulation based curricula Niki Fogg and Jabeen Fayyaz
19:00 – 19:30	Normal Doppler Spectral Waveforms in Children Govind Chavhan	Case Based Review 2 Ahmad Al ElEhaideb							
19:30 – 20:00	MR Lymphangiogram Govind Chavhan	Case Based Review 3 Bassam AlRehaili							
20:00 – 20:30	Pediatric Bone Marrow Imaging Paul Guillerman	Case Based Review 4 Amr ElSaddani							
20:30 – 21:00	New Pediatric Lung Disease to Recognize Paul Guillerman	Case Based Review 5 Ahmad AlEhaideb							

## PROGRAM AT A GLANCE | THURSDAY, 17 FEBRUARY 2022

WORKSHOP II											
Code:	SCM&P	RO-MP	RO-MP	MP	MP	RP-RB&ER	RP-RB&ER	RP-RB&ER	ET-3DV	ET-3DV	AFU
Activity Type/Title:	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop
Coordinator(s):	Ali Zailae	Ghadeer Nazer	Mona Alturaiki	Shadei Alanazi	Omar Noor	Ghazi Alsbeih	Najla Alharbi	Omar Noor	Ayman Awad	Ahmad Nobah	Ayman Mohamed
Moderator(s):	Kholood Alnutaifi	Osama Hassad	Mona Alturaiki	Shadei Alanazi	Omar Noor	Ghazi Alsbeih	Najla Alharbi	Omar Noor	Ayman Awad	Ahmad Nobah	Ayman Mohamed
13:00 – 13:30											
13:30 – 14:00	Supply Chain Management (Concept & Experience) Ali Zailae										
14:00 – 14:30	Procurement in Radiology (Tendering & Framework Agreement) Abdelaziz Almosabahi	External Beam Treatment Planning Osama Hassad	Deep-inspirational breath-hold (DIBH) Technique for Breast Radiotherapy Mona Alturaiki, Ahmad Nobah & Musaab Aljuraid	General Radiography Annual Physics QC Mahmoud Ahmed	Shielding Calculation of Diagnostic Imaging Facility Eslam Kamal	Radiation Emergency Drill presentation by Mr. Badis Bououn Mohammad Alotaibi, Badis Bououn, Ghazi Alsbeih and the CBRNE team	Radiobiology and Biodosimetry with Introduction to Quantitative Statistical Analysis Methods Elizabeth Ainsbury, Ghazi Alsbeih, Najla AlHarbi, Khaled Alhadyan, Sara Bin Judia & Maha Alghamdi	Radiation Detection, Calibration and Dosimetry Mehenna Arib, Omar Noor, Ibrahim Algain, Akram Amoussa, Heba Alhumaidan, Hesham Alhamdan, Alhanouf Aldosari, Shayma Alshora, Noor Binaydan & Jonathan Antonio	Gaming and Escape Rooms Candace Pau	Virtual Simulated Environment for Medical & Biotechnology Research Education Mohammad Hamadallah	Critical Reflections: A Powerful Tool for Learners Success in Radiological Fields Ayman Mohamed & Raed Albar
14:30 – 15:00											
15:00 – 15:30	Panel Discussion Closing Kholood Alnutaifi										
15:30 – 15:45   BREAK											
WORKSHOP III											
Code:	RO-MP	RO-MP	RO-MP	MP	RP-RB&ER	RP-RB&ER	AFU	AFU			
Activity Type/Title:	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop	Workshop			
Coordinator(s):	Mona Alturaiki	Waleed Al-Najjar	Ahmad Nobah	Shadei Alanazi	Mehenna Arib	Fareed Mayhoub	Ayman Mohamed	Ayman Mohamed			
Moderator(s):	Mona Alturaiki	Waleed Al-Najjar	Ahmad Nobah	Shadei Alanazi	Mehenna Arib	Fareed Mayhoub	Ayman Mohamed	Ayman Mohamed			
15:45 – 16:00											
16:00 – 16:30											
16:30 – 17:00	MR Simulation Mona Alturaiki & Habib Alsaleh	Small Beam Dosimetry Saiful Huq, Waleed Al-Najjar & Faisal Alzorkany	3D Printing in Radiotherapy Francois DeBlois & Ahmad Nobah	CT Annual Physics QC Mahmoud Ahmed	Shielding Calculation & Verification Mehenna Arib & Hesham Alhamdan	I-131 Thyroid Therapy, Internal Dose Assessments and Contamination Management Fareed Mayhoub, Omar Noor, Shadi Alanazi, Celestino Lagarde & Hesham Alhamdan	Medical Conceptualization using Computer-Aided Design tools and 3D Printing Aliaa Maar	Student Activity: Radiology Residency: Your Road Map to A World of Opportunity and Success Panel of National and International Speakers			
17:00 – 17:30											
17:30 – 18:00											

## PROGRAM AT A GLANCE | ABSTRACT SESSIONS

	ORAL PRESENTATION	POSTER PRESENTATION
<b>Presentation 1</b>	<b>Abstract 1 Prevalence of Receiving COVID-19 Vaccination among Healthcare Professionals during the COVID-19 Pandemic in The U.S. and Saudi Arabia</b> Track Title: Radiological Technology Presenter: Mohd Al shahrani	<b>Abstract 1 MIKE: A Novel Computational Tool to Explore the Radiation Properties of a Specific Material for Radiation Detection and Shielding Purposes</b> Track Title: Radiation Protection, Radiobiology and Emergency Response Presenter: Mohammed Alqahtani
<b>Presentation 2</b>	<b>Abstract 2 The distribution and treatment outcomes of pediatric cancer patients referred for Radiotherapy - The Tunisia experience</b> Track Title: Radiological Technology Presenter: Ezzeddine Jeibi	<b>Abstract 2 GIS predictive mapping of environmental gamma radiation around Majmaah University campus</b> Track Title: Radiation Protection, Radiobiology and Emergency Response Presenter: Khalid Alanizy
<b>Presentation 3</b>	<b>Abstract 3 Perovskite Functionalized-Microelectromechanical systems (MEMS) sensors: micromechanical tools for radiation detection</b> Track Title: Radiological Technology Presenter: Nouf Al Mohamed	<b>Abstract 3 Dosimetric TL response and kinetic parameters of novel glass system for proton therapy</b> Track Title: Radiation Protection, Radiobiology and Emergency Response Presenter: Ibrahim Algain
<b>Presentation 4</b>	<b>Abstract 4 Identification of Stroke Features on Sectional Imaging and Its Associated Risk Factors</b> Track Title: Radiological Technology Presenter: Rowa Al Jondi	<b>Abstract 4 Optimization of Radiation Dose and Effective Dose in CT Pelvis Examinations in Tow hospitals in Taif Region</b> Track Title: Radiation Protection, Radiobiology and Emergency Response Presenter: Khaled AlQahtani
<b>Presentation 5</b>	<b>Abstract 5 Challenges in the clinical application of Advanced Neuro Magnetic Resonance Imaging Techniques</b> Track Title: Radiological Technology Presenter: Ali Koreri	<b>Abstract 5 Luminescence dosimetry of Al<sub>2</sub>O<sub>3</sub>nanopowder doped with copper and silver oxides to measure high doses of gamma radiation</b> Track Title: Radiation Protection, Radiobiology and Emergency Response Presenter: Mohammed Jowhari
<b>Presentation 6</b>	<b>Abstract 6 Neonatal Spine Dysraphism: 13 years of Sonographic Screening in King Abdulaziz Medical City, Riyadh, Saudi Arabia</b> Track Title: Radiological Technology Presenter: Kholod Al shaye	<b>Abstract 6 Quartz Tuning Fork Sensor-Based Dosimetry for Sensitive Detection of Gamma Radiation</b> Track Title: Presenter: Nadyah Alanazi
<b>Presentation 7</b>	<b>Abstract 7 Evaluation of convolutional neural networks accuracy with multiple convolution layers' configurations using CT-scans of Covid-19 Patients</b> Track Title: Radiological Technology Presenter: Rayan Fawrah	<b>Abstract 7 Radiobiological impact of hypofractionated radiotherapy schedules for patients treated for prostate carcinoma using volumetric modulated arctherapy (VMAT)</b> Track Title: Radiation Protection, Radiobiology and Emergency Response Presenter: Assya Boughalia
<b>Presentation 8</b>	<b>Abstract 1 Assessment of External Radiation Dose Rate after 18FDG-PET/CT Examination</b> Track Title: Radiation Protection, Radiobiology and Emergency Response Presenter: Hanan Aldousari	<b>Abstract 8 Overdue for MRI Safety Standards</b> Track Title: Radiation Protection, Radiobiology and Emergency Response Presenter: Tobias Gilk
<b>Presentation 9</b>	<b>Abstract 2 Effect of Ultraviolet Irradiation on Filtering Facepiece Respirators and SARS-CoV-2 Detection</b> Track Title: Radiation Protection, Radiobiology and Emergency Response Presenter: Khaled Alhadyan	<b>Abstract 9 Neutron Flux Measurement Using Foils Monitors Behind a Medical Cyclotron Target</b> Track Title: Radiation Protection, Radiobiology and Emergency Response Presenter: Yahya Z. Hazzaa
<b>Presentation 10</b>	<b>Abstract 3 Trenched silicon diodes for thermal neutron detection</b> Track Title: Radiation Protection, Radiobiology and Emergency Response Presenter: Mohammad Alsulimane	<b>Abstract 10 Statistical Analysis of Occupational Radiation Exposure in Interventional Radiology</b> Track Title: Radiation Protection, Radiobiology and Emergency Response Presenter: Hanaa Alsheikh
<b>Presentation 11</b>	<b>Abstract 4 Establishing a Biodosimetry Service Laboratory for Dose Estimation in Cases of Accidental Radiation Exposure</b> Track Title: Radiation Protection, Radiobiology and Emergency Response Presenter: Ghazi Alsbeih	
<b>Presentation 12</b>	<b>Abstract 5 Radiation Dose Optimization for Routine Radiological Studies using Computed Tomography: A comparison based on National Dose Reference Levels and Effective Dose calculation</b> Track Title: Radiation Protection, Radiobiology and Emergency Response Presenter: Abdullah AL-Othman	
<b>Presentation 13</b>	<b>Abstract 6 Fabrication of Alq<sub>3</sub>/Nanocomposite sheets for potential use in radiation dosimetry</b> Track Title: Radiation Protection, Radiobiology and Emergency Response Presenter: Abdullahi Shittu	
<b>Presentation 14</b>	<b>Abstract 7 Characterization of an extrapolation chamber for the dosimetry of the SSDL's reference diagnostic radiology X-ray beams</b> Track Title: Radiation Protection, Radiobiology and Emergency Response Presenter: Mehna Arib	
<b>Presentation 15</b>	<b>Abstract 8 Radiation Safety Requirement for Radiopharmaceuticals Production Facility</b> Track Title: Radiation Protection, Radiobiology and Emergency Response Presenter: Salman Miliebari	
<b>Presentation 16</b>		



