



Updates in Radiology and Artificial Intelligence Seminar / 11-12 Dec 2025
Talks, Hands-on Workshops, Interactive Panel Discussion, and Exhibition

Day One – 11 Dec / 20 Azar		
Understanding AI - From Code to Clinic:Alireza Shakibafard –Dr Parastoo Farnia		
08:45-08:55	Welcome and Opening Remarks	Dr Masoumeh Gity
08:55-09:15	AI Revolution in Radiology: Where We Stand Today?	Dr Vahid Alizadeh
09:15-09:45	Talk Like an AI Expert: 10 Must-Know AI Terms for Radiologists	Dr Mohammad Taghi Niknejad
09:45-10:05	Explainable AI in Medical Imaging: Making the “Black Box” Transparent	Dr Parastoo Farnia
10:05-10:35	Evaluating AI Models: Accuracy, Bias, and Validation	Dr Alireza Shakibafard
10:35-11:00	Beyond Algorithms: The Ethical and Legal Perspective of Medical Artificial Intelligence – Essential Knowledge for Radiologists	Dr Alireza Radpour
11:00-11:30	Morning Refreshment and Networking	
AI in Subspecialties: Case-Based Talks – 1: Dr Masoumeh Gity		
11:30-11:50	Rapid Response Radiology: The Real Impact of AI in Emergency Imaging	Dr Shahriar Kolahi
11:50-12:20	Smart Imaging in Obstetrics and Gynecology Radiology: From Automation to Insight	Dr Faezeh Fazelnia Dr Fatemeh Shakki
12:20-13:30	AI in Breast Imaging – A Real-World Success Story: An Interactive Panel Discussion	Dr Masoumeh Gity Dr Mohammad Eghtedari (USA) Dr Ziba Gandomkar (Australia)
13:30-14:30	Lunch and Networking	
AI in Subspecialties: Case-Based Talks – 2, Dr Hamidreza Pouraliakbar - Dr Hamidreza Saligheh Rad		
14:30-14:45	Integrating AI into Multiparametric MRI: From Research to Enhancing Precision in Daily Practice	Dr Hamidreza Saligheh Rad
14:45-15:00	Effective Applications of AI in Neuroradiology: What Truly Works Today?	Dr Masih Falahatina
15:00-15:15	AI in Cardiovascular Radiology: Transforming the Way We See the Heart	Dr Hamidreza Pouraliakbar
15:15-15:30	Pediatric Imaging in the Modern Era: Challenges and Evolving Solutions with AI	Dr Zahra Ghomi



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Day Two – 12 Dec / 21 Azar		
Next Generation Radiology Dr Mahyar Ghafouri - Dr AmirReza Radmard		
08:45-09:15	ChatGPT for Radiologists: From Pixels to Paragraphs	Dr Mehran Arabahmadi
09:15-09:45	Analyzing Liver Masses Using Artificial Intelligence: Designing a New Application	Dr Morteza Sanei Taheri
09:45-10:15	Radiomics and Radiogenomics: What the Radiologist Needs to Know	Dr Amin Sabouri
10:15-10:35	AI-assisted Applications in Gastrointestinal Imaging	Dr AmirReza Radmard
10:35-10:55	AI Impact on Prostate Imaging	Dr Mahyar Ghafouri
11:00-11:30	Morning Refreshment and Networking	
11:30-13:30	Building an AI Workflow - From PACS Integration to Report Generation: An Interactive Panel Discussion Learn from Experts – Q&A	Dr Shahram Akhlaghpour Dr Mohammad Hossein Rezazadeh Mehrizi (Netherlands) Dr Hossein Arabalibeik Dr Mohammad Taghi Niknejad Dr Aeen Mohammadi
13:30-14:30	Lunch and Networking	
AI in Subspecialties: Case-Based Talks - 3 Dr Mehrdad Bakhshayeshkaram – Dr Hossein Ghanaati		
14:30-14:50	Top AI Support in Chest Radiology: Lung Nodule Detection and Characterization, Lung Cancer Screening, and Quantitative Lung Analysis & COPD	Dr Mehrdad Bakhshayeshkaram
14:50-15:15	How AI Will Advance Interventional Radiology?	Dr Hossein Ghanaati
15:15-15:30	AI in Bone and Joint Imaging: Practical Applications Today	Dr Masih Rikhtegar

Workshops

Day One – 11 Dec / 20 Azar

15:30 – 17:00	AI Tools for Medical Imaging Clinic Management Services: A Hands-on Workshop <i>Identify available AI apps for scheduling, triage, workflow, and reporting. Understand integration pathways with PACS/RIS/HIS systems.</i> <i>Discuss AI-based apps for reducing radiation and contrast media doses, as well as improving image quality.</i> <i>Gain hands-on experience with demo platforms for workflow automation, report generation, and quality assurance.</i>	Dr A. Shakibafard* Dr E. Najafzadeh*	60-90 min
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Day One – 11 Dec / 20 Azar

17:00-18:30	AI Tools in the Ultrasonography Machines - Current and Future Applications: A Hands-on Workshop <i>Image acquisition optimization</i> <i>Automated measurements and interpretation</i> <i>Workflow efficiency</i> <i>Future AI-assisted diagnostic and educational applications</i>	Dr MK. Tarzamni* Dr R. Javadrashid* Dr P. Farnia*	60-90 min
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Day Two – 12 Dec / 21 Azar

15:30 – 17:00	AI Applications for Breast Imaging: A Hands-on Workshop <i>Identify key AI applications in breast screening and diagnostics.</i> <i>Operate or observe AI-assisted mammography and ultrasound platforms.</i> <i>Understand performance metrics (sensitivity, specificity, false-positive reduction).</i> <i>Evaluate workflow integration, ethics, and validation requirements.</i> <i>Discuss future trends such as multimodal and predictive AI systems.</i>	Dr M. Gity* Dr M. Pourian* Dr H. Dashti*	60-90 min
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