Oral Presentation Schedule on Wednesday, May 14, 2025

First Session: 08:30 – 10:00 - Arvand Conference Hall				
Review Panel: Dr. Salehnasab, Dr. Keshavarz, and Dr. Ghaderzadeh				
Main Theme	**Subtheme**	**Session Title**	**Presenter**	**Time**
Biomedical Data Processing	***Biomedical Signal Processing***	Utilizing Data Mining Methods to Identify Electrocardiogram Patterns and Clinical Features for Predicting 10-Year Cardiovascular Disease Incidence	Muhammad Islampanah	**08:30 - 08:38**
		From OMICS Data to Translational Outcomes: AI-Enabled Discovery of Biomarkers for Personalized Toxicology	Parisa ShoaeHagh	**08:38 - 08:46**
		Investigating the Relationship between Neck Pain and Craniovertebral Angle Changes: A Machine Learning Approach	Fatima Binaei	**08:46 - 08:54**
		Development of a Web Application for Enhanced Breast Cancer Detection Using Deep Learning and Ensemble Models	Fatemeh Fadaei	**08:54 - 09:02**
		A Short Review on Technological Advances in Tuberculosis Diagnosis	Mohsen Saffar	**09:02 - 09:10**
		Applications of artificial intelligence in imaging of musculoskeletal disorders: a systematic review of reviews	Zahra Zare	**09:10 - 09:18**
		Diagnosis of Cardiovascular Diseases by Processing Ocular Fundus Images with Optical Coherence Tomography (OCT)	Niloofar Choobin	**09:18 - 09:26**
		Transforming Medical Education: Harnessing Artificial Intelligence for Personalized Learning and Improved Clinical Outcomes	Sania Pirzada	**09:26 - 09:34**
		Graph Neural Networks for Neurological Disorder Detection	Subhan Ragheb	**09:34 - 09:42**
		Predicting Hematoma Expansion in Spontaneous Hypertensive Intracerebral Hemorrhage Using Radiomics and Machine Learning: A Soft Voting Ensemble Approach	Mohammad Hadi Azad	**09:42 - 09:50**
		Innovative technologies in the educational process of the Department of normal anatomy at the Belarusian State Medical University	Shastakovich K.M.	**09:50 - 09:58**
Break 10:00 – 10:30				

Oral Presentation Schedule on Wednesday, May 14, 2025

Second Session: 10:30 – 12:00 - Arvand Conference Hall				
Review Panel: Dr. Ayyoubzadeh, Dr. S. Ayani, and Dr. Kh. Moulaie				
Main Theme	**Subtheme**	**Session Title**	**Presenter**	**Time**
Biomedical Data Processing	***Medical Image Processing***	2D Lung Segmentation from all Three Views of Thoracic CT Images Using Deep Learning-Based Methods and 3D Volume Reconstruction	Niuosha Ghadesi	**10:30 - 10:38**
		Applications of artificial intelligence for early detection and Improved treatment of congenital heart diseases: a systematic review	Maede Zare	**10:38 - 10:46**
		A ViT-Based Approach for Breast Cancer Histopathology Images Classification	Fatemeh Azimi Nanvaee	**10:46 - 10:54**
		Automated Tibia Bone Segmentation in Anterior-Posterior X-Ray Images Using a 2D U-Net Architecture: A Clinical Dataset Study	Ali Kazemi	**10:54 - 11:02**
		A Case Study on Bone Fracture Detection Using YOLOv8–YOLOv12 Models	Fariba Azhdarpour	**11:02 - 11:10**
	Multimodal Data Integration	Analyzing Diagnostic Patterns in Scientific Cancer Articles Using Machine Learning Algorithms	Fahimeh Khoshmaram	**11:10 - 11:18**
		Predicting response to chemotherapy in breast cancer patients using data mining: A Review Study	Milad Javid	**11:18 - 11:26**
AI in Digital Health	***Clinical Decision Support System***	The effectiveness of artificial intelligence-based psychological interventions on reducing stress and improving emotional well-being	Mohammad Hossein Roudbari	**11:26 - 11:34**
		The Role of Artificial Intelligence in Cognitive Behavioral Therapy Using Stories for Children with Cancer	Haniyeh Shariatmadari	**11:34 - 11:42**
		Applications of Machine Learning in Glaucoma Diagnosis: A Systematic Review	Mohammad Hassan Shahriari	**11:42 - 11:50**
		Prediction and Simulation of Clinical Crises in the Intensive Care Unit Using Artificial Intelligence and Machine Learning: scoping review	Masoumeh Ghanbari	**11:50 - 11:58**
Break 12:00 – 13:00				

Oral Presentation Schedule on Wednesday, May 14, 2025

Third Session: 13:00 – 14:30 - Arvand Conference Hall				
Review Panel: Dr. Shirzad far, Dr. A. Aslani, and Dr. Ghaderzadeh				
Main Theme	**Subtheme**	**Session Title**	**Presenter**	**Time**
AI in Digital Health	***Clinical Decision Support System***	Decoding Parkinson's Diagnosis: An OCT-Based Explainable AI with SHAP/LIME Transparency from the Persian Cohort Study	Zohreh Ganji	**13:00 - 13:08**
		Automatic 3D Analysis of Bronchial Tree Dilatation Using Deep Learning Algorithms in Chest CT images	Mahdiyeh Rahmani	**13:08 - 13:16**
		Pressure Ulcer Prediction System in Spine Fracture	Rezvan Razie	**13:16 - 13:24**
		The Role of Artificial Intelligence in Telemedicine: Enhancing Access to Healthcare Services in Underserved and Remote Areas	Amir Masoud Qorbian	**13:24 - 13:32**
		A Clinical AI System for Rapid and Differential Diagnosis of Gestational Diabetes, Preeclampsia, and Urinary Tract Infection	Alireza Taremi	**13:32 - 13:40**
		Applications of Artificial Intelligence in Dental Medicine: A Critical Review	Symeon Sitaras	**13:40 - 13:48**
		Artificial Intelligence-Driven Analysis of Tongue Images for the Early Detection of Coronary Artery Disease	Alireza Hekmat-Ardakanii	**13:48 - 13:56**
		Artificial Intelligence-Based Intervention Evaluation: A Comparison of Nylon and Vicryl Sutures in Bone Grafting Patients	Raheleh Akbari	**13:56 - 14:04**
		Artificial Intelligence for Enhanced Survival Prediction in Liver Cirrhosis: A Stacking Ensemble Approach	Reyhaneh Khalife Arani	**14:04 - 14:12**
		Deep Learning-Based Automated Detection and Classification of Brain Tumors: A Case Study Implementation Using YOLOv8 Algorithm	Touraj Mokhtarpour	**14:12 - 14:20**
		Enhanced Breast Cancer Detection Using Dual-View Mammography and Deep Learning Models	Mohadese Montazeri	**14:20 - 14:28**
		Factors influencing trust in artificial intelligence in healthcare - A review study	Zeynab Rabieipakdeh	**14:28 - 14:35**
Break 14:30 – 15:00				

Oral Presentation Schedule on Thursday, May 15, 2025

First Session: 15:00 – 17:00 - Arvand Conference Hall				
Review Panel: Dr. Salehnasab, Dr. Keshavarz, and Dr. Montazeri				
Main Theme	**Subtheme**	**Session Title**	**Presenter**	**Time**
Generative AI in Healthcare	***Intelligent Virtual Assistant***	Decoding the Black Box: A Systematic Review of Explainable AI Applications in Mammographic Breast Cancer Detection	Mahdieh Montazeri	**15:00 – 15:08**
		AI-Optimized PBMT Protocols: Personalizing Dental Tissue Regeneration and Healing	Abolfazl Azimi	**15:08 – 15:16**
		Alzheimer's Disease Detection: A Comparison Between Machine Learning and Deep Learning Approaches	Fatemeh Azimi Nanvaei	**15:16 – 15:24**
		AI-Driven Chatbot for Optimal Possible Donor Identification	Milad Fendereski Jaz	**15:24 – 15:32**
		Design and Implementation of an AI-Powered Nursing Education Chatbot Using Natural Language Processing (NLP)	Hossein Moein Jahromi	**15:32 – 15:40**
		AI-Generated Pseudo-CT and Attenuation-Corrected PET Imaging for Enhanced Ovarian Cancer Management	Amirhossein Farshchi Tabrizi	**15:40 – 15:48**
		Transformation in Medical Education with Generative AI: From Advanced Generative Models to Enhanced Clinical Skills	Milad Ghiasspour	**15:48 – 15:56**
		Impact of Artificial Intelligence in Knowledge, Attitude, and Performance of Ophthalmology Residents: A Systematic Review	Samaneh Babaei	**15:56 – 16:04**
		The impact of new technologies, including artificial intelligence, on increasing student learning	Ala Abtin	**16:04 – 16:12**
		Modeling and Predicting Carbon Dioxide Adsorption Capacity Using Machine Learning Algorithms: A Novel Approach to Optimizing Porous Carbon-Based Adsorbents	Maryam Afrawi	**16:12 – 16:20**
		Prediction of Laminectomy Outcomes via Artificial Intelligence	Maryam Gholipour	**16:20 – 16:28**

Oral Presentation Schedule on Friday, May 16, 2025

First Session: 08:10 – 09:40 - Arvand Conference Hall				
Review Panel: Dr. Ghaderzadeh, Dr. Salehnasab, and Dr. Shirzad Far				
Main Theme	**Subtheme**	**Session Title**	**Presenter**	**Time**
Personalized Medicine	***Biomarker Discovery***	Predicting Treatment Outcomes in Sudden Sensorineural Hearing Loss: A Logistic Regression Approach	Razieh Yousefi	**08:10 – 08:18**
	Cancer Diagnosis & Treatment	Artificial Intelligence in Personalized Cancer Treatment: A Systematic Review of Innovations, Challenges, and Future Directions	Mobarakeh Tavakoli	**08:18 – 08:26**
		Harnessing Machine Learning for Optimizing CAR-T Cell Antibody Engineering	Mohammadjavad Mohammadifard	**08:26 – 08:34**
		From Lab to AI: The Impact of ERMP1 Knockdown on Pancreatic Cancer with Continuous Health Monitoring	Ali Honari Jahromi	**08:34 – 08:42**
		Evaluating the quality and usability of responses generated by GPT Chat artificial intelligence in response to common patient questions about breast cancer self-awareness	Mehran Saadatmand	**08:42 – 08:50**
		The importance of artificial intelligence models in personalized radiation therapy	Parvaneh Darkhor	**08:50 – 08:58**
AI in Pharmacy	***Drug Discovery***	Computational drug design in multiple sclerosis	Maryam Ziaei	**08:58 – 09:06**
		Predicting the encapsulation efficiency of polymeric nanoparticles using machine learning approaches	Arash Maghsoudlou	**09:06 – 09:14**
		Binary classification of drug molecules using machine learning as a drug repurposing tool for finding new COX-2 inhibitors	Sepehr Izadi	**09:14 – 09:22**
		Machine learning-based approach to Predict Dual Inhibition Activity of Chemical Compounds on Lysine Specific Demethylase 1 (LSD1) and Histone Deacetylases (HDAC) for Cancer Treatment	Tahereh Mostashari-Rad	**09:22 – 09:30**
		Predicting cellular uptake of metal-organic frameworks using machine learning tools	Bita Mirzapour jalili	**09:30 – 09:38**
Break 09:40 – 10:00				

Oral Presentation Schedule on Friday, May 16, 2025

Second Session: 10:00 – 11:30 - Arvand Conference Hall				
Review Panel: Dr. Ayyoubzadeh, Dr. Nabovati, and Dr. Aboulpour				
Main Theme	**Subtheme**	**Session Title**	**Presenter**	**Time**
AI in Pharmacy	***Drug Discovery***	Investigating the Use of Artificial Intelligence (AI) in Pharmacology and Discovering Drug Side Effects: Laboratory Supplement Testing in The Methotrexate Pilot in Leukemia	Hamidreza Golian	**10:00 – 10:08**
		Virtual and in vitro screening of approved drugs targeting genes involved in colorectal cancer: an approach with drug repurposing	Saeide Rouhani	**10:08 – 10:16**
Advanced Technologies & Medical Equipment	**Robotics in Surgery and Care**	Systematic Review of AI-Based Robotic Devices in Enhancing Upper Limb Rehabilitation After Stroke	Omid Rostamzadeh	**10:16 – 10:24**
Health Policy, Law & Management in AI		Designing a Comprehensive AI Education Framework in Medical Sciences: A Systematic Review of Educational Content and Teaching Methodologies Over the Past Decade	Seyyedeh Fatemeh Mousavi Baigi	**10:24 – 10:32**
		Prediction of Hospitalization Duration for Colorectal Cancer Surgery Patients Using Artificial Neural Networks	Arshia Bozorgnia	**10:32 – 10:40**
		Global perspectives on governing healthcare AI: prioritising safety, equity and collaboration	Qasem Dolatkhah Lain	**10:40 – 10:48**
		Production and Evaluation of the Educational Effectiveness of AI-Based Musical Clips in Teaching Anatomy and Histology	Seyedeh Zahra Babazadeh	**10:48 – 10:56**
		Challenges and Strategies for Implementing Artificial Intelligence in the Management of Hospitals in Iran	Mohammad Hossein Rahmanpour	**10:56 – 11:04**
		Artificial Intelligence in Managing Limited Healthcare Resources: A Multi-Country Case Study Analysis of Successes, Failures, and Alignment with WHO Standards in Low-Income Settings	Majid Alizadeh	**11:04 – 11:12**