Oral Presentation Schedule on Wednesday, May 14, 2025

First Session: 09:00 – 10:00 - Khalij Fars Conference Hall				
Review Panel: Dr. R. Rabiei, Dr. N. Aboulpour, and Dr. A. Golabpour				
Main Theme	Subtheme	Session Title	Presenter	Time
Biomedical Data Processing	*Biomedical Signal Processing*	Predicting Breast Cancer Diagnoses Using Machine Learning Algorithms: A Comparative Study	Dr. Mohammad Ayyoubzadeh	09:00 - 09:08
		Stroke Prediction Using Explainable Artificial Intelligence: A Comparative Analysis of Deep Learning and Machine Learning Models	Dr. Khadijeh Moulaei	09:08 - 09:16
		Artificial Intelligence-Based Prognostic Model for ANCA-Associated Vasculitis	Dr. Zinat Heidari	09:16 - 09:24
		Machine Learning Models for Predicting Breast Cancer Recurrence: A Comparison of Tree-Based Classifiers	Dr. Ilia Saadat	09:24 - 09:32
		Clustering Analysis of Occupational Incident Data to Identify Fire Risk Patterns: A Case Study of Mashhad Fire Department Operations	Dr. Omid Yousefian HashemAbad	09:32 - 09:40
		Binary and Weighted Network Analysis and Its Applications to Dynamic Functional Connectivity in Autism Spectrum Disorders: A Resting-State fMRI Approach	Dr. Samaneh Talebi	09:40 - 09:48
		Identifying and Evaluating the Impact of Key Predictive Features in Breast Cancer Prediction: A Data-Driven Study	Dr. Alireza Banaye Yazdipour	09:48 - 09:56
Break 10:00 – 10:30				

Oral Presentation Schedule on Wednesday, May 14, 2025

Second Session: 10:30 – 12:00 - Khalij Fars Conference Hall				
Review Panel: Dr. R. Rabiei, Dr. N. Aboulpour, and Dr. H. Ebrahimpour				
Main Theme	**Subtheme**	**Session Title**	**Presenter**	**Time**
Biomedical Data Processing	*Omics Data Analysis*	Deep Learning and Machine Learning for Alzheimer's Disease Biomarker Identification	Dr. Zohre Moattar Husseini	**10:30 - 10:40**
	Medical Image Processing	A Dual-Path Deep Learning Approach for Robust Classification of Colon Histopathology Images Using Attention Mechanisms: A Multicenter Study	Dr. Ali Babaei	**10:40 - 10:50**
		Automatic Detection of Pulmonary Embolism from Computed Tomography Scans Using Deep Learning	Dr. Mohamad Ali Javadzadeh Barzaki	**10:50 - 11:00**
		Evaluation of neuroinflammation in refractory MRI-negative epilepsy patients by feature selection algorithms	Dr. Asieh Fatemidokht	**11:00 - 11:10**
		Effectiveness of Machine Learning Models in Analyzing Mammographic Images for Breast Cancer Detection	Dr. Tayeb Ramim	**11:10 - 11:20**
		Developing an intelligent model to predict COVID-19 patient admission to ICU and their length of stay in the ICU using clinical datasets including chest computed tomography severity score data	Dr. Hadi Kazemi-Arpanahi	**11:20 - 11:30**
		Leveraging Deep Learning for Automated Image Segmentation and Accurate Quantification of Western Blot Protein Bands: A U-Net Approach for Semantic Segmentation	Dr. Saba Amiri	**11:30 - 11:40**
Break 12:00 – 13:00				

Oral Presentation Schedule on Wednesday, May 14, 2025

Third Session: 13:00 – 14:30 - Khalij Fars Conference Hall				
Review Panel: Dr. H. Ebrahimpour, Dr. Sh. Ayani, and Dr. A. GolabPour				
Main Theme	**Subtheme**	**Session Title**	**Presenter**	**Time**
AI in Digital Health	*Clinical Decision Support System*	Clinical Deterioration Prediction in Smart Homes: A Sensor-Based Early Warning System Using Deep Learning	Dr. Sharareh Rostam Niakan Kalhori	**13:00 - 13:10**
		Enhancing Post-Discharge Care for Premature Infants: Tele-Homecare Perspectives Among Healthcare Professionals	Dr. Atefeh Shamsi	**13:10 - 13:20**
		Application of Artificial Intelligence in Screening and Diagnosis of Diabetic Macular Edema	Dr. Mohammad Hassan Shahriari Mazraa Shahi	**13:20 - 13:30**
		Exploring Factors Influencing the Adoption of Artificial Intelligence-Based Technologies in Nutrition Sciences: Perspectives of Nutrition Experts at Medical Universities in 2024–2025	Dr. Azam Sabahi	**13:30 - 13:40**
		Machine Learning-Based Prediction of Foot and Ankle Pathology Using Biomechanical and Physiological Parameters: A Random Forest Approach	Dr. Yasin Sharifzadeh	**13:40 - 13:50**
		Predictive Factors of Length of Stay in Intensive Care Unit after Coronary Artery Bypass Graft Surgery based on Machine Learning Methods	Dr. Behzad Imani	**13:50 - 14:00**
		Transformer-Based Multi-Modal Respiratory Disease Classification with Hybrid Feature Selection and Genetic Optimization	Dr. Somaieh Matin	**14:00 - 14:10**
	Standards, Interoperability & Data Exchange	Artificial Intelligence and Children's Digital Health (From the Perspective of Social Studies on the Future of Childhood)	Dr. Reza Mohammad Babaei	**14:10 - 14:20**
Break 14:30 – 15:00				

Oral Presentation Schedule on Thursday, May 15, 2025

Main Theme	Subtheme	Session Title	Presenter	Time
Frist Session: 10:00 – 11:30 - Khalij Fars Conference Hall				
Review Panel: Dr. Sh.R- NiakanKalhori, Dr. E. Nabovati, and Dr. Ghaderzadeh				
Generative AI in Healthcare	*Intelligent Virtual Assistant*	Evaluation and comparison of three tools -Microsoft Copilot, GROK, and ChatGPT- in answering questions related to breast cancer	Dr. Maryam Ataollahi	**10:00 - 10:10**
		A SWOT Analysis on the Application of Artificial Intelligence in Midwifery Education	Dr. Zeinab Haghparast Bidgoli	**10:10 - 10:20**
		Identifying Problematic General Medical Students Using Artificial Intelligence and Data Mining Techniques	Dr. Masomeh Kalantarion	**10:20 - 10:30**
		Predicting Factors Affecting Survival Rate in Patients Undergoing On-Pump Coronary Artery Bypass Graft Surgery Using Machine Learning Methods: A Systematic Review	Dr. Behzad Imani	**10:30 - 10:40**
Personalized Medicine	*IOMRT & IOMT*	Data-Driven 3D Simulation of Orthopedic Surgeries Based on Real Patient Data	Dr. Abbas Majdi Seghinsara	**10:40 - 10:50**
	Cancer Diagnosis & Treatment	The Role of Telehealth and AI In the Care of Musculoskeletal Pain Conditions After COVID-19	Dr. Fatemeh Hajialiasgari	**10:50 - 11:00**
		The importance of smart hospitals and virtual wards: A systematic review	Dr. Niki Maleki	**11:00 - 11:10**
Break 12:00 – 13:00				

Oral Presentation Schedule on Thursday, May 15, 2025

Main Theme	Subtheme	Session Title	Presenter	Time
Second Session: 13:00 – 14:30 - Khalij Fars Conference Hall				
Review Panel: Dr. R. Rabiee, Dr. H. Ebrahimpour, and Dr. Ayyoubzadeh				
AI in Pharmacy	*Drug Discovery*	Prediction of Affinity and Selectivity of Indoleamine and Tryptophane-2,3-Dioxygenase Inhibitors by Analysis of Molecular Electrostatic Maps in Convolutional Neural Networks and Vision Transformers	Dr. Hamid Irannejad	**13:00 - 13:10**
Advanced Technologies & Medical Equipment	*Robotics in Surgery and Care*	Tele-orthopedic: A Scoping Review on Benefits, Applications, and Challenges	Dr. Reza Moulaei	**13:10 - 13:20**
	AR & VR in Medicine	Feasibility Study of a Serious Interactive Game-Based VR System for Physical and Cognitive Rehabilitation in Parkinson's Disease	Dr. Shokoufeh Aalaei	**13:20 - 13:30**
		Design and Feasibility Evaluation of an Interactive VR-Based Game System for Upper Limb Stroke Rehabilitation	Dr. Shokoufeh Aalaei	**13:30 - 13:40**
		Artificial Intelligence as a Pedagogical Tool in Medical Education: A Descriptive-Analytical Study of Iranian Faculty Attitudes	Dr. Ali Namaki	**13:40 - 13:50**
Health Policy, Law & Management in AI		Perceptions of Artificial Intelligence Integration in Rehabilitation Education and Practice: Challenges and Opportunities from Stakeholders' Viewpoints in Northeast Iran	Dr. Khalil Kimiafar	**13:50 - 14:00**
		Policy and Legislation for the Use of Artificial Intelligence in the Healthcare System: A Systematic Review	Dr. Mohamad Jebraeily	**14:00 - 14:10**
Break 14:30 – 15:00				