# International Congress on Artificial Intelligence in Medical Sciences

| No. | Article ID | Presenter | Title | Time |
|---|---|---|---|---|
| | | | **Wednesday, May 17, Ibn Sina Conference Hall** | |
| 1 | 1309 | Reza Taheri | Survival prediction in traumatic brain injury patients using machine learning algorithms | 10:00-10:10 |
| 2 | 2680 | Hamed Etesampour | Artificial intelligence model for cardiovascular incidence prediction: A practical deep learning approach based on Isfahan cohort study | 10:10-10:20 |
| 3 | 2441 | Maryam Mirhosseini | Predicting pain score in different doses of ondansetron using a powerful machine learning method in upper limb orthopedic patients | 10:20-10:30 |
| 4 | 3942 | Afrooz Arzehgar | Predicting the cognitive ability of young women using a new feature selection algorithm | 10:30-10:40 |
| 5 | 2670 | Hossein Vaseghi Dodaran | Design at home Sperm Test Medical Device (SPOO) based on machine vision | 10:40-10:50 |
| 6 | 4022 | Ata Jodeiri | Analysis of COVID-19 distribution in countries using unsupervised machine learning | 10:50-11:00 |
| 7 | 4062 | Ali Rajabpour Sanati | Development and implementation of wearable sensors for early detection and monitoring of neurological disorders | 11:00-11:10 |
| 8 | 3028 | Seyed Mohammad Ayyoubzadeh | Prediction of nanoparticle toxicity using machine learning | 11:10-11:20 |
| 9 | 3120 | Mahmoud Bagheri | Computational Hematoxylin-and-Eosin staining of fluorescence confocal microscopy for basal cell carcinoma tissue based on unsupervised deep learning approach | 11:20-11:30 |

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| | | | **Wednesday, May 17, Ibn Sina Conference Hall** | |
| 10 | 4166 | Reza Naghne | Improving left ventricular segmentation in echocardiographic images using two-dimensional UNet architecture | 14:00-14:10 |
| 11 | 3880 | Hamid Reza Marateb | An intelligent e-clinic for computer-aided diagnosis and prognosis | 14:10-14:20 |
| 12 | 4171 | Hadis Moghaddasi | Automated mandible segmentation using 3D-UNet for virtual surgical planning: A deep learning approach | 14:20-14:30 |
| 13 | 4256 | Vahideh Ghobadighadikalaei | An overview to real-time automated liver segmentation during laparoscopic cholecystectomy | 14:30-14:40 |
| 14 | 3956 | Farhan Abbasi Varaki | The accuracy of Convolutional Neural Network-Long Short Term Memory (CNN-LSTM) in diagnosing different types of Acute Lymphocytic Leukemia based on Peripheral Blood Smear | 14:40-14:50 |
| 15 | 4086 | Azam Orooji | A machine learning based model to identify the relative location of CT scan slices | 14:50-15:00 |
| 16 | 3142 | Seyed Masoud Rezaeijo | Brain tumor segmentation using morphological operation and threshold in PET images | 15:00-15:10 |
| 17 | 2499 | Majid Ghasemi | Robust deep stack auto-encoder approach for image classification: A novel fuzzy attitude | 15:10-15:20 |
| 18 | 2549 | Mohamad Ali Javadzade Barzaki | Using deep learning networks for classification of lung cancer nodules in CT images | 15:20-15:30 |
| 19 | 2571 | Mojtaba Sirati Amsheh | Deep learning-based pediatric bone age estimation using enhanced images and pretrained models | 15:30-15:40 |

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| | | | **Thursday, May 18, Ibn Sina Conference Hall** | |
| 20 | 2587 | Tahere Talebi Azadboni | An adaptive Neuro-Fuzzy Inference System to predict Acute Lymphocytic Leukemia prognosis in children | 10:00-10:10 |
| 21 | 3143 | Seyed Masoud Rezaeijo | T2-Weighted (T2W) synthesis from brain Fluid-Attenuated-Inversion-Recovery (FLAIR) images and vice versa based on deep learning methods | 10:10-10:20 |
| 22 | 2475 | Taha Samad-Soltani | A deep learning framework for segmentation of acute ischemic stroke lesions on multimodal MRI images | 10:20-10:30 |
| 23 | 3661 | Amin Amiri Tehrani Zade | An efficient approach to deal with the lack of data in medical image segmentation applications using Capsule Networks | 10:30-10:40 |
| 24 | 3629 | Yasaman Sharifi | Management of thyroid nodules based on ACR-TIRADS in ultrasound images by deep learning | 10:40-10:50 |
| 25 | 3031 | Shirin Kordnoori | Analysis of lung scan imaging using combination of image processing algorithms and deep multi-task learning structure for Covid-19 disease | 10:50-11:00 |
| 26 | 4424 | Mustafa Ghaderzadeh | A mobile NetV2-based android application for Acute Lymphoblastic Leukemia diagnoses and classification of its subtypes | 11:00-11:10 |
| 27 | 4437 | Hajar Keshavarz Karchegany | Introducing a deep neural network structure with practical implementation capability for polyp detection in endoscopic and colonoscopy videos | 11:10-11:20 |
| 28 | 4227 | Kiarash Saleki | Designing a multi-epitope vaccine against Parkinson's disease: An immunoinformatics and AI approach | 11:20-11:30 |

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| colspan | | | **Thursday, May 18, Ibn Sina Conference Hall** | |
| 29 | 3851 | Hamid Reza Marateb | Mortality risk assessment of COVID-19 patients using cause-specific hazard regression models: The Khorshid COVID-19 Cohort Study | 14:00-14:10 |
| 30 | 2666 | Bahlol Rahimi | Developing data visualization tools to improve the efficiency and ease of healthcare analysis | 14:10-14:20 |
| 31 | 2528 | Maryam Shahriarfar | Telepharmacy research trends; Current situation and future perspective | 14:20-14:30 |
| 32 | 2450 | Maryam Dehghan | Self-care software for early diagnosis of preeclampsia syndrome | 14:30-14:40 |
| 33 | 2987 | Azam Kheirdoust | The impact of using the electronic disease process form in improving the performance of diagnosis, prescribing the type and dose of medicine by the health care providers and the patient's response to treatment in the electronic hospital of Mashhad Velayat in 2022 | 14:40-14:50 |
| 34 | 2706 | Shahabeddin Abhari | Designing and evaluating a nutrition recommender system for improving food security in a developing country | 14:50-15:00 |
| 35 | 2395 | Hadi Gharebaghian | RayaTabib, a new Persian medical advisor application based on artificial intelligence | 15:00-15:10 |