2nd International Congress on AI in Medical Sciences

Congress Expert Panels

IRAN International Conference Center

Panel Sessions: Wednesday to Friday, May 14–16, 2025

Wednesday, May 14, 2025

Session 1 (08:30 – 10:00)

Chair of the Panel: Dr. Amirhossein Takian

	Title of the Panel	Panel Members	Presentation Title	Time
Caspian Hall	**Challenges and Policies of AI in the Healthcare System**	Dr. Amirhossein Takian	Academic Panel Discussion on Challenges and Policies of Artificial Intelligence in the Healthcare System (Open Questions and Interactive Discussion)	08:30 – 08:50
		Dr. Rassoul Dinarvand		08:50 – 09:10
		Dr. Mohammad Raeeszadeh		09:10 – 09:25
		Dr. Shahriar Eslamitabar		09:25 – 09:40
		Dr. Sevilay Ucar Yüzbaş		09:40 – 09:55

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Wednesday, May 14, 2025

Session 2 (10:30 – 12:00)

Chair of the Panel: Dr. Hamid Reza Marateb

	Title of the Panel	Panel Members	Presentation Title	Time
Caspian Hall	**Artificial Intelligence in Medical Technologies and Equipment**	Dr. Hamid Reza Marateb	FAIR: Frameworks for AI Integration and Regulation in Medical Devices	10:30 – 10:45
		Dr. Hadi Digaleh	Overcoming Bone-Induced Imaging Challenges: AI-Powered Segmentation of Brain Vasculature and Adjacent Tumors Using Contrast-Enhanced and Non-Contrast CT Data	10:45 – 11:00
		Dr. Seyed Ahmad Ahmadi	Health Policy for the Optimal Deployment of Artificial Intelligence in Medical Technologies and Equipment	11:00 – 11:15
		Dr. Hamid Behroozi	The Role of the Mobile Communications Company of Iran (MCI) as a Smart Infrastructure Technology Provider	11:15 – 11:30
		Eng. Omid Shafeie Zadeh	Tomorrow's Lifesaving Devices Demand Reliable AI Today: A Call to Action for the Medical Device Industry	11:30 – 11:45
		Dr. Andrew A. Gumbs	Artificial Intelligence and the Perspective of Autonomous Actions	11:45 – 12:00

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Wednesday, May 14, 2025

Session 3 (13:30 – 15:00)

Chair of the Panel: Dr. Seyed Javad Mowla

	Title of the Panel	Panel Members	Presentation Title	Time
Caspian Hall	Artificial Intelligence in Personalized Medicine	Dr. Seyed Javad Mowla	Integration of Spatial Single-Cell Landscapes to Guide Personalized Oncology	13:30 – 13:50
		Dr. Dariush Farhud	Artificial Intelligence and Ethics: Challenges and Solutions	13:50 – 14:10
		Dr. Kaveh Kavousi	Integration of Spatial Single-Cell Landscapes to Guide Personalized Oncology	14:10 – 14:25
		Dr. Marjan Mansourian	Artificial Intelligence in Personalized Medicine: Risk Assessment for Disease Onset	14:25 – 14:40
		Dr. Changiz Eslahchi	Complex Matrix Comb: Predicting Drug Combination Doses for IC50 Using Complex Numbers and Matrix Factorization	14:40 – 14:55

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Thursday, May 15, 2025

Session 1 (08:10 – 09:40)

Chair of the Panel: Dr. Farshad Hosseini Shirazi

	Title of the Panel	Panel Members	Presentation Title	Time
Caspian Hall	**Artificial Intelligence in Pharmacy**	Dr. Farshad Hosseini Shirazi	Intelligence & Pharmacy	08:10 – 08:40
		Dr. Younes Ghasemi	Pharma 4.0: the future of pharmacutical manufacturing	08:40 – 09:00
		Dr. Sajjad Gharaghani	Drug Discovery Process: From Classical Methods to New AI Techniques	09:00 – 09:20
		Dr. Fahimeh Ghasemi	Computational Drug Design Based on Natural Language Processing	09:20 – 09:40

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Thursday, May 15, 2025

Session 2 (10:00 – 12:00)

Chair of the Panel: Dr. Hamid Soltanian-Zadeh

	Title of the Panel	Panel Members	Presentation Title	Time
Caspian Hall	**Biomedical Data Processing**	Dr. Mohammad Bagher Shamsollahi	Machine learning models for biomedical signal processing	10:00 – 10:20
		Dr. Mohammadreza Momenzadeh	Breast cancer prediction using sequential pattern analysis in gene expression data	10:20 – 10:40
		Dr. Emad Fatemizadeh	Foundation models in medical image processing and analysis	10:40 – 11:00
		Dr. Hamid Soltanian-Zadeh	Neuroimage Analysis Using Artificial Intelligence Techniques	11:00 – 10:20
		Dr. Ram Bilas Pachori	AI-based computer-aided medical diagnosis of neurological disorders	11:20 – 11:40
		Q & A and Panel Discussion		11:40 – 12:00

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Thursday, May 15, 2025

Session 3 (13:00 – 14:30)

Chair of the Panel: Dr. Saeid Eslami Hasanabadi

	Title of the Panel	Panel Members	Presentation Title	Time
Caspian Hall	**Clinical Decision Support Systems and Smart Hospitals**	Dr. Ehsan Nabovati	From Concept to Impact: How to Evaluate AI-Based Clinical Decision Support System Projects in Medicine	13:00 – 13:10
		Dr. Sharareh Rostam Niakan Kalhori	Large Language Models in Clinical Decision Support: Opportunities and Challenges	13:10 – 13:20
		Dr. Mohammad Reza Afrash	Transparency and Interpretability in Clinical Decision Support Systems: Challenges, Solutions and Practical Experiences in Clinical Adoption	13:20 – 13:30
		Dr. Mustafa Ghaderzadeh	AI at the Heart of Smart Hospitals: Real Case Studies and Impactful Implementations	13:30 – 13:40
		Dr. Hanieh Zehtab Hashemi	Adoption Models of Clinical Decision Support Systems (CDSS): Key Factors and Strategie	13:40 – 13:50
		Dr. Saeid Eslami Hasanabadi	Artificial Intelligence-Based Clinical Decision Support: Requirements and Challenges Based on Practical Experiences in Iran	13:50 – 14:00
			Q & A and Panel Discussion	14:00 – 14:30

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Thursday, May 15, 2025

Session 4 (15:00 – 17:00)

Chair of the Panel: Dr. Soleiman Ahmady

	Title of the Panel	Panel Members	Presentation Title	Time
Caspian Hall	**Artificial Intelligence in Medical Education**	Dr. Soleiman Ahmady	Academic Panel Discussion on Artificial Intelligence in Medical Education (Open Questions and Interactive Discussion)	15:00 – 15:20
		Dr. Hasnain Zafar Baloch		15:20 – 15:35
		Dr. Arkadiusz Jawian		15:35 – 15:50
		Dr. Babak Sabet Divshali		15:50 – 16:00
		Dr. Abtin Heidarzadeh		16:00 – 16:15
		Dr. Mahdi Aghabagheri		16:15 – 16:25
		Dr. Ebrahim Kalantar Mehrjardi		16:25 – 16:35
		Dr. Ehsan Toofaninejad		16:35 – 16:45
		Dr. Javad Rasti		16:45 – 16:55

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	Title of the Panel	Panel Members	Presentation Title	Time
Caspian Hall	**Artificial Intelligence in Telemedicine**	Dr. Azam Aslani	Panel Introduction and Audience Expectations	08:10 – 08:15
		Dr. Reza Golpira	The Initial Development and Implementation of Telemedicine in the Iranian Health System	08:15 – 08:30
		Dr. Hassan Bakhtiary	General University Policies on Telemedicine	08:30 – 08:40
		Dr. Kambiz Bahaadinbeigy	Factors Contributing to the Success of Telemedicine in Australia	08:40 – 08:55
		Dr. Batool Mehrshad	Artificial Intelligence and Telemedicine: Ethical, Legal, and Regulatory Challenges in the Age of Technology	08:55 – 09:10
		Dr. Asghar Ehteshami	Factors Influencing the Implementation of Telemedicine in Iran	09:10 – 09:25
		Dr. Anthony Smith	The Future of Telemedicine with Artificial Intelligence	09:25 – 09:45
			Panel Summary	09:45 – 09:50

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Friday, May 16, 2025

Session 2 (10:00 – 11:30)

Chair of the Panel: Dr. Hamid R. Rabiee

	Title of the Panel	Panel Members	Presentation Title	Time
Caspian Hall	**Large Language Models in Healthcare**	Dr. Hamid R. Rabiee	Panel Introduction	10:00 – 10:05
		Dr. Behrouz Minaei-Bidgoli	Using LLMs to Improve Medical Data Mining	10:05 – 10:25
		Dr. Nasser Mozayani	A Specialized RAG for Diabetic Patients	10:25 – 10:45
		Dr. Mohammad Reza Beikzadeh	Revolutionizing Rehabilitation with Generative AI (LLM): Advancing Research, Development, Education, and Industry Applications	10:45 – 11:05
			Q & A and Panel Discussion	11:05 – 11:30

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