

Insights into Infertility Management: Artificial Intelligence (AI), Challenges, and Prospects

Day 1 (December 11, 2024)				
Panel Chair	Panel Title	Panel Members	Venue	Time
Dr. Saeed Reza Ghaffari	The Role of AI in Diagnosis, Prognosis, and Treatment Success of Infertility Related to Genetic Disorders	Dr. Fereshteh Maryami, Dr. Damoun Nashtaali	Abu Reihan Hall	08:00-9:30
Dr. Sedigheh Hantoushzadeh	The Role of AI in Ensuring Healthy Births	Dr. Soudabeh Kazemi, Dr. Marjan Ghaemi, Dr. Hamid Mokhtari	Allameh Tabatabai Hall	08:00-9:30
Keynote Lecture (Genetics and AI by Dr. Saeed Reza Ghaffari; 09:30-10:00; Abu Reihan Hall)				
Opening Ceremony 10:00-11:00 Break 11:00-11:30				
Dr. Ashraf Alyasin	The Role of AI in Predicting IVF Treatment Outcomes for Unexplained Infertility	Dr. Fatemeh Ghalambor, Dr. Aida Najafian, Dr. Laya Farzadi, Dr. Marzieh Ghasemi, Dr. Hossein Ahmadvand	Abu Reihan Hall	12:00-13:30
Dr. Hamid Beigi	Chatbot, the Way to Increase Fertility Awareness	Dr. Mahmoud Tara, Dr. Soheila Ansaripour	Allameh Tabatabai Hall	12:00-13:30
Lunch Break 13:30-14:30				
Keynote Lecture (AI for Male Fertility by Dr. Reza Nosrati (Australia); 15:00-15:30; Abu Reihan Hall)				
Dr. Alireza Heidarnejad	The Role of AI in Optimizing Egg, Sperm, and Embryo Selection in Assisted Reproductive Technology (ART)	Dr. Mohammad Hossein Nasr Esfahani - Dr. Davood Fathi, Dr. Mohammad Reza Sadeghi	Abu Reihan Hall	15:30-17:00
Dr. Zeinab Barzegar	Data Preparation, Aggregation, and Transformation in AI Applications	Zohreh Fazli, Dr. Mansoor Fatehi, Dr. Mohammad Ali Mazloumi	Allameh Tabatabai Hall	15:30-17:00
Break				

Day 2 (December 12, 2024)

Dr. Ashraf Moeini	Recurrent Miscarriage, Diagnosis, and Treatment	Dr. Simin Zafardoust, Dr. Amir Hossein Zarnani, Dr. Ladan Kashani, Dr. Maryam Moshfeghi, Dr. Navid Almadani, Dr. Maedeh Tahaei	Abu Reihan Hall	08:00-09:30
Dr. Arash Mohazzab	The Role of AI in Research	Dr. Zeinab Barzegar	Allameh Tabatabai Hall	08:00-09:30
<p align="center">Keynote Lecture (The Immunology of Recurrent Miscarriage and the Role of AI by Dr. Amir Hassan Zarnani; 10:00-10:30; Abu Reihan Hall)</p>				
<p align="center">Break 10:30-11:00</p>				
Dr. Zahra Heidar	The Role of AI in Personalizing Ovarian Stimulation Protocols	Dr. Fatemeh Forouzanfar, Dr. Nezhat Mousavifar, Dr. Azadeh Akbari, Dr. Hamid Mokhtari, Dr. Marzieh Farimani	Abu Reihan Hall	11:00-12:30
Dr. Saeed Arasteh	The Role of AI in Diagnosis, Prognosis, and Management of Male Factor Infertility	Dr. Erfan Amini, Dr. Peyman Salehi, Masoud Ghiasi, Mohsen Meshkini	Allameh Tabatabai Hall	11:00-12:30
<p align="center">Keynote Lecture (The Role of Artificial Intelligence in Drug Discovery and Development by Dr. Homayoun; 12:30-12:50)</p>				
<p align="center">Lunch Break 12:50-13:40</p>				
<p align="center">Keynote Lecture (The Success of IVF by Dr. Abbas Aflatoonian; 14:00-14:30)</p>				

Dr. Robabeh Taheripanah	The Role of AI in Predicting IVF Success	Dr. Mohammad Ebrahim Parsanezhad, Dr. Abbas Aflatoonian, Dr. Marefat Ghaffari Novin, Dr. Maedeh Tahaei	Abu Reihan Hall	14:30-16:00
Dr. Mohammad Rasekh	AI and Ethics	Dr. Alireza Milanifar, Dr. Fereshteh Azedi, Dr. Behzad Ghorbani, Faezeh Ameri	Allameh Tabatabai Hall	14:30-16:00
Day 3 (December 13, 2024)				
Dr. Saghar Salehpour	The Role of AI in PCOS Prognosis, Diagnosis, and Medical Treatment Algorithms	Dr. Atousa Karimi, Dr. Mahsa Kazemi, Dr. Sedigeh Hosseini, Dr. Mohammad Reza Sadeghi, Dr. Ali Ali Akbarlou	Abu Reihan Hall	08:30-10:00
Break 10:00-10:30				
Dr. Saeed Alborzi	The Role of AI in Predicting and Guiding the Diagnosis and Treatment Algorithms for Endometriosis	Dr. Ziba Zahiri, Dr. Tahereh Pourdast, Dr. Elhan Asgari, Dr. Mehrzad Lotfi, Dr. Khadijeh Shadjoo, Dr. Roya Padmehr	Abu Reihan Hall	10:30-12:00
Dr. Abolfazl Mehdizadeh	Laparoscopy, Robotic Surgery, and AI Application	Dr. Samaneh Rokhgireh, Dr. Alireza Mirbagheri Dr. Mansoor Fatehi, Dr. Shahla Chaichian	Abu Reihan Hall	12:00-13:30
Closing Ceremony				