



**MEDIC 4.0**  
 25-27 November, 2026  
 Tbilisi, Georgia  
[www.tma.edu.ge/medic2026](http://www.tma.edu.ge/medic2026)

**Host and organizer – Petre Shotadze Tbilisi Medical Academy (TMA)**

## Program

The "Medicine: Innovations and Challenges 2025" conference will be held in a hybrid form, during three days from November 25 to November 27, 2026. The program includes the following activities:

**Wednesday, 25 November 2026**

**Theme of the Day: Health 4.0 and Clinical Decision-Making in the Digital Era**

**Total educational hours: 5,5**

<b>10:30 – 11:00</b>	<b>Registration, Networking, and Coffee</b> Participants arrive, engage in informal exchange, and prepare for the opening of the conference.
<b>11:00 – 11:20</b>	<b>Opening Ceremony</b> Introduction to MEDIC 4.0, outlining the concept of the “competency gap” in digital healthcare and framing the educational objectives of the event in relation to patient safety and clinical responsibility.
<b>11:20 – 12:20</b>	<b>Plenary Session: Health 4.0 – Transformation of Clinical Practice</b> <b>Speaker</b> – Professor Liron Pantanowitz (University of Pittsburgh) This session explores the integration of artificial intelligence and digital technologies into clinical workflows, diagnostics, and healthcare delivery, with emphasis on their impact on clinical reasoning.
<b>12:20 – 12:40, Coffee Break and Networking</b>	
<b>12:40 – 13:40</b>	<b>Plenary Session: From Data to Decision – Interpreting AI in Clinical Contexts</b> <b>Speaker</b> – Professor Thomas Schrader (TMA & Brandenburg University of Applied Sciences) Focused on the interpretation of algorithm-based outputs, this session addresses risks, limitations, and challenges in applying data-driven tools in clinical environments.
<b>13:40 – 14:40, Lunch Break</b>	
<b>14:40 – 16:10</b>	<b>Panel: Patient Safety in AI-Supported Healthcare</b> <b>Speaker</b> – Dr Kakha Bregvadze (TMA) & Erica Giordano (INFOR Elea) An interactive, case-based discussion addressing clinical risks, algorithmic bias, uncertainty, and accountability in AI-supported decision-making
<b>16:10 – 16:30, Coffee Break and Networking</b>	
<b>16:30 – 18:00</b>	<b>Workshop: Critical Evaluation of AI Tools in Clinical Practice</b> <b>Moderator</b> – Professor Ian Cree (IARC) A small-group session focused on evaluating AI tools, identifying limitations, and applying structured assessment approaches in clinical scenarios.
<b>18:00 – 18:20</b>	<b>Roundtable - Reflection and Discussion</b> <b>Moderators</b> – Dr Maia Zarnadze (TMA) & PhDc Saba Iordanishvili (TMA) Moderated discussion summarizing key insights and reinforcing learning outcomes

Thursday, 26 November 2026

Theme of the Day: Competencies, Medical Education, and Ethical Integration

Total educational hours: 6

10:30 – 11:00	<b>Registration, Networking, and Coffee</b>
11:00 – 12:00	<b>Plenary Session: Competencies for Health 4.0 – What Clinicians Need Today</b> <b>Speaker</b> – Dr Blanca Iciar Indave Ruiz (IARC) This session defines essential competencies in digital healthcare, including data literacy, critical evaluation of AI systems, and adaptive decision-making.
<b>12:00 – 12:20, Coffee Break and Networking</b>	
12:20 – 13:50	<b>Panel: Transforming Medical Education in the Digital Era</b> <b>Speaker</b> – Professor Janusz Janczukowicz (Medical University of Lodz, TBC) An interdisciplinary discussion on curriculum redesign, integration of digital competencies, and alignment with evolving clinical realities
<b>13:50 – 14:50, Lunch Break</b>	
14:50 – 16:20	<b>Workshop: Integrating Digital Health into Medical Training</b> <b>Moderator</b> – Professor Ekaterina Kldiashvili (TMA) Participants engage in practical exercises focused on curriculum development and implementation of digital tools in education
<b>16:20 – 16:40, Coffee Break and Networking</b>	
16:40 – 17:40	<b>Plenary Session: Ethics, Empathy, and Patient-Centred Care in Digital Medicine</b> <b>Speaker</b> – Daniela Lehwaldt (Dublin City University) Explores ethical challenges, communication barriers, and maintaining empathy in technology-mediated care
17:40 – 18:40	<b>Roundtable - Balancing Technology and Human Care</b> <b>Moderators</b> – Dr Kakha Bregvadze (TMA) & Professor Andrejs Romanovs (Riga Technical University) An interactive dialogue encouraging reflection and exchange of interdisciplinary perspectives

Friday, 27 November 2026

Theme of the Day: Application, Innovation, and Future Practice

Total educational hours: 6

10:30 – 11:00	Registration, Networking, and Coffee
11:00 – 14:00	<b>Hands-on Training Sessions (Parallel Tracks)</b> <b>Moderators</b> – TMA Task Force Participants engage in applied learning across parallel sessions, including clinical case simulations using AI tools, digital health applications, and research methods in digital medicine
<b>14:00 – 15:00, Lunch Break</b>	
15:00 – 18:00	<b>Hackathon: Designing Solutions for Health 4.0 Challenges</b> A team-based, interdisciplinary activity focused on developing practical solutions to real-world healthcare challenges using digital tools and analytical approaches
18:00 – 19:00	<b>Roundtable - Final Presentations and Evaluation</b> <b>Moderators</b> – Professor Ekaterina Kldiashvili (TMA) & Dr Maia Zarnadze (TMA) Participants present solutions to an expert panel, followed by structured feedback.
19:00 – 19:30	<b>Closing Session</b> Summary of key outcomes, reflections on learning achievements, and future directions.

TOTAL EDUCATIONAL HOURS - 17,5 hours

