

ITAPA HEALTH & CARE 2023 Hotel IMPOZANT, Valčianska dolina

Program of the first day 15/03/2023

10:00 - 11:10 Artificial Intelligence In Medicine - What Does it Bring and What Is the Level of its Use in Slovakia?

What is artificial intelligence actually about? What opportunities and limitations does it bring? In what areas of medicine and modern health care can it be used effectively? Can AI replace a doctor or nurse? What are the current limitations for healthcare facilities to use AI? And is its use actually ethical?

Chairwoman: **Marta Jančkárová**

EU Testing and Experimentation Facility for Health AI and Robotics (TEF-Health): Petra Ritter, Charité Berlin, Germany

AI is already simplifying the lives of healthcare workers today: Martin Blažek, MICROSOFT

DISCUSSION

Martina Antošová, University Hospital Martin

Fedor Lehocki, AISlovakIA, FIIT STU

Juraj Podroužek, KiNIT

AI offers a better future for our mental health: Lujza Bubánová, SeeMee

11:10 - 12:30 Artificial Intelligence in Radiology

The biggest expansion of artificial intelligence is in the field of radiology. It is mainly used for increasingly accurate radiological analysis and image interpretation. In this area, stakeholders' expectations are probably the greatest. What AI is currently available for radiology? In which examinations can it be used? What must be the quality of the data? What AIs are currently already used in medical practice in Slovakia and abroad? What is the view of the end user - the radiologist - on these increasing possibilities?

Chairman: **Michal Kovačič**

Keynote: Kamil Zeleňák, University Hospital Martin

Interactive holograms in augmented reality: Maciej Stanuch, Med App

DISCUSSION

Vítězoslav Belan, Dr.Magnet

Valerio Da Ros, Artificial Intelligence and Robotics Ad Hoc Committee at ESMINT

Kamil Zeleňák, University Hospital Martin



AI, a colleague you can rely on? Daniel Kvak a Matěj Misař, CAREBOT

Artificial intelligence in radiology from the perspective of the AGEL network: Peter Blúska, AGEL

12:30 - 13:30 Lunch

13:30 - 14:20 Artificial Intelligence Applications in Medicine

Is artificial intelligence marketing, or does it really have the potential to change the entire healthcare industry? Where has artificial intelligence been able to break through and bring surprisingly good results? Diagnostics? Lifestyle analysis? Research into new drugs? In which areas of medicine do we see the greatest potential for its use? Do we use any of these options in Slovakia?

Chairwoman: **Martina Antošová**

Accelerating drug discovery and development with artificial intelligence: Ján Szöllös, InSilico
Medicine

Melanoma and artificial intelligence: Ondřej Svoboda, Dr. Digital

AI v Dental monitoringu čelústno-ortopedických pacientov: Andrej Thurzo, Faculty of Medicine,
Comenius University

Use of artificial intelligence to refine ECG interpretation: Lenka Plačková, BTL Slovakia

Practical use of data analytics in medicine: Jozef Benčík, SAS Slovakia

14:20 – 15:30 Technologies in Oncology

Can artificial intelligence help change the negative trend of oncological diseases in Slovakia? There are studies that show that the combination of AI and human power has improved the screening of some oncological diseases, and there is more and more talk about the so-called radiomics, which combines information from radiology with clinical-genomic information. Do we have data for this in Slovakia? Can we already use AI for this?

Chairwoman: **Marta Jančkárová**

Unlocking new possibilities for better cancer care: Matthew Prime, Roche Information Solutions

1on1 - The future of digitization in the diagnosis of oncology patients: Matthew Prime, Roche
Information Solutions

Zap-X An introduction to Gyroscopic Radiosurgery: David Miles, ZapSurgical

Innovation in Proton Therapy: Ronald Necpal, Unique Medical

DISCUSSION

Ivan Cimrák, Žilina University in Žilina

Lukáš Palaj, Ministry of Health SR

Lukáš Plank, University Hospital Martin

15:30 - 16:00 Coffee-break



16:00 – 17:10 How to Build Hospitals Optimally?

Medicine is not only about new diagnostic or treatment methods. Effective management and operation of hospitals is also important. What do we need for this and what solutions could we imagine? Can AI and robotics help in this? Are the staff in hospitals and clinics ready for such a change? How to perceive these innovations positively?

Chairman: **Michal Kovačič**

Value Partnerships – Creating more Value in Healthcare: Sebastian Saulich, Siemens Healthcare
Enterprise architecture, a set of capabilities and recommendations for aligning technological and business strategy in the design, implementation and operation of modern hospitals: Peter Balco, ATOS IT Solution and Services

DISCUSSION

Peter Ferjančík, Ministry of Health of the Slovak Republic
Miriam Lapuníková, Roosevelt Hospital Banská Bystrica
Luboš Lopatka, Bory Hospital
Ľubomír Pepucha, Univerzity Hospital Martin

17:10 – 17:30 Break

17:30 – 18:50 ITAPA Open Talk: How to Optimize Healthcare?

How to make more out of less? Slovak healthcare is underfunded. But can it be effective even with small finances? Is it possible to optimize it? What is stopping us from doing so? In what condition is the optimized hospital network? How are processes set? What will it bring in practice? What about other healthcare providers? Aren't we just paying attention to hospitals and neglecting others?

Moderator: **Michal Kovačič**

ITAPA OPEN TALK

Zuzana Dolinková, Voice - social democracy
Igor Moravčík, Slovenská komora zubných lekárov
Ivan Kocan, Univerzitná nemocnica Martin
Peter Lednický, Penta Hospitals International
Vladimír Lengvarský, Ex-minister of Health SR
Silvia Pekarčíková, SK8

18:50 – 21:00 Banquet



Program of the Second Day 16/03/2023

09:00 - 09:50 How to Support Innovation in Healthcare?

Chairman: **Michal Kovačič**

How SARIO can support slovak innovative solutions (in healthcare as well): Natália Barinková, SARIO

DISCUSSION

Róbert Babelša, Ministry of Health SR
Jakub Fejfar, Hospital AGEL Nový Jičín
Ján Kyselovič, Center of Scientific and Technical Information
Richard Strapko, General Health Insurance Company
Norbert Žilka, SAV

9:50 - 10:10 EDIH - European Digital Innovation Hubs

Introduction of the Centre of Innovative Healthcare System: Michal Ivantyšyn a Samuel Arbe, CIZ

DISCUSSION

Martina Antošová, University Hospital Martin
Samuel Arbe, CIZ
Michal Ivantyšyn, CIZ

10:10 – 11:30 Doctors and Modern Technologies - Robotic Solutions in Practice

Will robots replace doctors? What about the medical staff? The short answer is no, but in return they can sharply increase the performance of hospitals and, to some extent, replace the missing medical staff. However, there are a lot of robots and many types. Which ones are used most often and with the greatest success in patient care?

Chairman: **Michal Kovačič**

LIVE-STREAM: Kamil Zeleňák, University Hospital Martin

Robot CMR: Marián Duffek, Central Military Hospital Ružomberok

Why is RobOtol needed in otology?: Eric Barat, Collin Medical

DISCUSSION

Marián Duffek, Central Military Hospital Ružomberok
Vladimír Baláž, University Hospital with the Policlinic of F. D. Roosevelt



11:30 - 12:30 Lunch

12:30 – 13:10 Cyber Security in Healthcare Sector

It's a matter of life. Health data refers to the most sensitive data ever. The digital transformation of the healthcare sector, on the one hand, increases the efficiency and quality of care, but on the other hand, it represents a large and ever-growing risk of misuse. How to defend against it?

Chairman: **Peter Matej**

DISCUSSION

Rastislav Janota, National Security Authority SK-CERT NBÚ

Paula Babicová, Dôvera health insurance company

Martin Laubert, NCZI

13:10 – 14:10 Cyber security from the ambulance to the hospital

How to build a truly safe hospital or clinic? Digitized medical equipment is far more efficient, but also far more vulnerable. How should the hospital defend itself against cyber attacks?

Chairman: **Mário Minarovský**

Benefits and risks of hospital digitization - focused on cyber security: Jan Váša, ATOS IT Solutions and Services

Presentation: Filip Tubler, MIRRI

DISCUSSION

Peter Dufek, ProCare and Svet zdravia

Ivan Makatura, SK-CERT Competence Center

Matúš Šesták, Ministry of Health of Slovak Republic

Pavol Vrabec, Univerzitná nemocnica Martin

14:10 - 15:20 Data Reform in the Healthcare Sector - When will the Right Time Come?

What is the importance of quality data for the optimization of healthcare and the support of innovative treatment? Slovakia has invested a lot of money in the consolidation of health data. When will we see the results? When will data be available that will allow us to really analyse the effects of individual types of treatment? When will data be available for scientific and other purposes? Where is the problem?

Moderator: **Michal Kovačič**

Hot-seat: Róbert Babel'a, Ministry of Health SR



DISCUSSION

Martin Fojtík, Dôvera Health Insurance Company
Barbora Mareková, NCZI
Matej Mišík, Ministry of Health SR
Vladimír Nosáľ, University Hospital Martin
Martin Smatana, analyst

15:20 - 15:50 Coffee-break

15:50 – 16:40 Health Care in the Hands of Local Governments Before Collapse?

A significant part of health care is managed by local governments. Either regions or municipalities. Whether it's ambulances, some clinics or aftercare entities. In practice, it is the biggest gateway to health care. At the same time, in some regions, more than a third of ambulatory doctors are at or close to retirement age. Is the health sector in the hands of local governments facing collapse? What can the regional public administration do to effectively solve the situation? Can any technologies be used to mitigate the problem?

Chairman: **Samuel Arbe**

DISCUSSION

Igor Moravčík, Slovak Chamber of Dentists
Pavol Oravec, Slovak Medical Chamber
Lucia Povalová, Ministry of Health SR
Elena Prokopová, Slovak Society of Primary Pediatric Care
Tomáš Szalay, Bratislava self-governing region

16:40 – 17:50 ITAPA OPEN TALK: For What and How to Buy Healthcare Technology? Resources and Procurement.

How to set up public procurement in the healthcare sector so that it is fast and efficient? Are we trapped by the necessity of the lowest price, or is it possible to apply quality criteria as well? Is strategic public procurement planning fiction or reality? How are we doing with transparency? How can artificial intelligence increase the transparency of public procurement?

Moderator: **Xénia Makarová**

ITAPA OPEN TALK

Ľubica Hlinková, Expert
Ondrej Kuruc, Ministry of Health SR
Jaroslav Lexa, Public Procurement Office
Juraj Tkáč, Union of Public Procurement Professionals

17:50 End of the Conference and a Glass of Wine

The program may be subject to change.

