



**29th International
Meeting on
Forensic Medicine
ALPE-ADRIA
-PANNONIA**

**June 20-22, 2024
Pécs, Hungary**



BOOK OF ABSTRACTS

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**29th International
Meeting
on Forensic Medicine
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**June 20-22, 2024
Pécs, Hungary**

**SCIENTIFIC
PROGRAM**

09:30-10:00

Opening ceremony

Representatives of University of Pécs
Gábor Simon, Head of the organizing committee

10:00-11:00

Special Session with Invited Speakers

Chairs: *Silke Grabherr*, Switzerland and *Gábor Simon*, Hungary

10:00 – 10:30

The organizations and practice of forensic medicine in Hungary

Péter Gergely
University of Debrecen, Department of Forensic Medicine, Debrecen, Hungary

10:30 – 11:00

Death in Custody.

Prof. Jason Payne-James
Norfolk & Norwich University Hospital, Norwich, UK
William Harvey Research Institute, Queen Mary University of London, UK
Forensic Healthcare Services Ltd, Southminster, UK

11:00 – 11:15

COFFEE BREAK

11:15-12:45

SPECIAL SESSION WITH INVITED SPEAKERS

Chairs: *Jason Payne-James*, United Kingdom and *Péter Gergely*, Hungary

11:15 – 11:45

Forensic Imaging: current practice and future developments.

Prof. Silke Grabherr
University Center of Legal Medicine Lausanne-Geneva, Switzerland

11:45 – 12:15

Graduate and postgraduate teaching and training in forensic medicine.

Roland Weiczner
University of Szeged, Department of Forensic Medicine, Szeged, Hungary

12:15 – 12:45 The challenges of the humanitarian approach on the issue of missing persons: example of Kosovo.

Ditor Haliti

Institute of Forensic Medicine; Faculty of Medicine - University of Prishtina; Prishtina, Republic of Kosovo

12:45 – 13:45 LUNCH TIME

13:15 – 15:00 WORKSHOP

instructor: *Viktor Soma Poór*

13:45 – 15:00 FREE COMMUNICATIONS (I)

Chairs: *Stefan Pollak, Germany and Ditor Haliti, Kosovo*

13:45 – 14:00 Valuable medical profession: some facts in the field of forensic medicine in Hungary

Zsolt Kozma¹

¹ University of Pécs, Medical School, Department of Forensic Medicine, Pécs, Hungary

14:00 – 14:15 Hypothermia-induced suicide in the context of Amyotrophic Lateral Sclerosis: A case study

Martin Mervic¹, Tomaž Zupanc¹, Antun Ferenčič¹

¹ Institute of Forensic Medicine, Faculty of Medicine, University of Ljubljana, Slovenia

14:15 – 14:30 Analysis of drowning-related cases by detecting aquatic microorganisms with microscopic and molecular approach, and risk factor exploration over a 5-year period (2018-2022) in Hungary

Dominika Szűcs¹, Vivien Fejes¹, Viktor Soma Poór¹, Gábor Simon¹, Katalin Sipos^{1,2}

¹ University of Pécs, Medical School, Department of Forensic Medicine, Pécs, Hungary

² University of Pécs, Faculty of Pharmacy, Department of Pharmaceutical Biology, Pécs, Hungary

14:30 – 14:45 Forensic examination of the injuries found on the remains in mass grave no. Iii. in Mohács, Hungary – a recommendation of useful methods

Tímea Mai¹, György Pálfi², Viktor Vig², Zsolt Berecki², Árpád Szabó¹

¹ University of Szeged, Department of Forensic Medicine, Szeged, Hungary

² University of Szeged, Department of Anthropology, Szeged, Hungary

14:45 – 15:00 The effect of the presence and severity of atherosclerosis in traumatic injuries Of the thoracic aorta

Dénes Pauka¹, Gábor Simon¹, Veronika Heckmann¹, Dénes Tóth¹, Viktor Soma Poór¹, Roland Told², Péter Maróti²

¹ University of Pécs, Medical School, Department of Forensic Medicine, Pécs, Hungary

² University of Pécs, 3D Printing&Visualization Centre, Pécs, Hungary

15:00– 15:15 COFFEE BREAK

15:15 – 16:45 FREE COMMUNICATIONS (II)

Chairs: *Éva Sija*, Hungary and *Mónika Kuzma*, Hungary

15:15 – 15:30 A Lidocaine-related forensic dilemma clarified via a pilot study

Zsófia Mrekváné Burián¹, Mátyás Mayer^{1,2}, Gábor Simon¹

¹ University of Pécs Medical School, Department of Forensic Medicine, Pécs, Hungary

² University of Pécs, Clinical Centre, Department of Laboratory Medicine, Pécs, Hungary

15:30 – 15:45 The possibilities and forensic value of oral tissue examinations

Gábor András Czupy¹, Antal Kricskovics¹

¹ Hungarian Institute for Forensic Sciences - Department of Forensic Medicine, Budapest, Hungary

15:45 – 16:00 Emerging old psychoactive agent of far east in europe: kratom

Ágnes Lakatos¹, Anikó Lajtai¹, Dávid Hesszenberger¹, Dávid Csabai¹, Mátyás Mayer^{1,2}, Mónika Kuzma²

¹ University of Pécs, Clinical Centre, Department of Laboratory Medicine, Pécs, Hungary

² University of Pécs, Medical School, Department of Forensic Medicine, Pécs, Hungary

16:00 – 16:15 Fatal cocaine-induced hyperthermia: a case report

Domenico Nieddu¹, Alberto Chighine¹, Matteo Nioi¹

¹ Forensic Medicine Unit, Department of Clinical Sciences and Public Health, University of Cagliari, Cagliari, Italy

16:15 – 16:30 Evaluation of the symptoms in case of driving under the influence of drugs

Péter Nagy Varjas¹, Viktor Soma Poór¹, Dénes Tóth¹, Mátyás Mayer^{1,2}, Mónika Kuzma¹, Gábor Simon¹

¹ University of Pécs, Medical School, Department of Forensic Medicine, Pécs, Hungary

² University of Pécs, Clinical Centre, Department of Laboratory Medicine, Pécs, Hungary

16:30– 16:45 COFFEE BREAK

16:45 – 17:45 POSTER SESSION (II)

Chairs: Silke Grabherr, Germany and Dénes Tóth, Viktor Soma Poór, Hungary

Posters P01 – P16

18:30 WELCOME RECEPTION

09:00 – 10:30 SPECIAL SESSION WITH INVITED SPEAKERS

Chairs: *Zsolt Kozma*, Hungary and *Jason Payne-James*, United Kingdom

09:00 – 09:30 The possibilities of the multidisciplinary approach in the investigation of non-natural deaths – Case Studies

Antal Kricskovics

09:30 – 10:00 Deconstruction of a double murder. Body language & misinterpretation

Prof. Tamás F. Molnár

10:00 – 10:30 How insects can help to estimate the minimal PMI

Dominik Javorski

10:30 – 10:45 COFFEE BREAK

10:45 – 12:15 FREE COMMUNICATIONS (III)

Chairs: *Michael Tsokos*, Germany and *Roland Weiczner*, Hungary

10:45 – 11:00 Suicides by crossbow

Jozef Šidlo^{1,2}, Peter Očko², Adriana Gavronová³, Ľubomír Mikuláš², Lukáš Hamerlík³

¹ Institute of Forensic Medicine, Faculty of Medicine, Comenius University in Bratislava, Bratislava, Slovakia

² Department of Forensic Medicine, Health Care Surveillance Authority, Bratislava, Slovakia

³ Institute of Forensic Medicine and Medical Law, University Hospital, Faculty of Medicine, Palacký University in Olomouc, Olomouc, Czech Republic

11:00 – 11:15 Adult female sudden death by massive bleeding from pulmonary anomalous small vessels

Francesco D'elia¹, Lorenzo Desinan², Francesco Simonit², Ugo Da Broi²

¹ Postgraduate School of Legal Medicine, University of Trieste, Trieste, Italy

² Department of Medicine / Legal Medicine, University of Udine, Udine, Italy

- 11:15 – 11:30 Forensic assessment of air gun injuries**
*Gábor Simon¹, Karola Petrus¹, Furkan Yaşlıoğlu¹,
Viktor Soma Poór¹, Emil Hamza², Norbert Szabián²,
Gábor Kovács³*
¹ University of Pécs, Medical School, Department of
Forensic Medicine, Pécs, Hungary
² Civilian Small Arms and Ammunition Examiner Ltd. – The
Hungarian C.I.P. Proof House, Budapest, Hungary
³ Széchenyi István University, Department of Criminal
Sciences, Győr, Hungary
- 11:30 – 11:45 Analysis techniques of soft tissue injury descriptions in
Hungarian clinical records and forensic medical autopsy
reports**
*Gábor Gyenes¹, Gábor Simon², Zoltán Patonai³,
Katalin Fogarasi¹*
¹ Semmelweis University, Institute of Languages for
Specific Purposes, Budapest, Hungary
² University of Pécs, Medical School, Department of
Forensic Medicine, Pécs, Hungary
³ University of Pécs, Clinical Centre, Department of
Traumatology and Hand Surgery, Pécs, Hungary
- 11:45 – 12:00 Crafting clarity and elevating the narrative of pediatric
medical reports in Hungary through precision and
standardization**
*Viktória Sirokmány¹, Katalin Fogarasi¹, Tamás Kassai²,
Gábor Gyenes¹, Zoltán Patonai³*
¹ Institute of Languages for Specific Purposes, Semmelweis
University, Budapest, Hungary
² Dr. Manninger Jenő Trauma Center, Budapest, Hungary
³ Department of Traumatology and Hand Surgery, University
of Pécs, Clinical Center, Pécs, Hungary
- 12:00 – 12:15 Omega-shaped epiglottis in infancy**
Beáta Havasi¹, Gábor Papp¹, Roland Weiczner¹
University of Szeged, Department of Forensic Medicine,
Szeged, Hungary
- 12:15 – 13:15 LUNCH TIME**

13:15- 14:45

SPECIAL SESSION WITH INVITED SPEAKERS

Chairs: *Dénes Tóth*, Hungary and *Péter Gergely*, Hungary

13:15 – 13:45

Uncommon gunshot injuries exemplified by case material and supplemented by experimental studies

Prof. Stefan Pollak

Albert- Ludwigs-Universität Freiburg, Department of Forensic Medicine, Freiburg, Germany

13:45 – 14:15

Clinical guidelines for the diagnosis of (physical) child abuse

Prof. Michael Tsokos

State institute of Forensic Medicine, Berlin, Germany

14:15 – 14:45

Crime scene documentation, reconstruction and visualization at the 3D Center Zurich

Lars Christian Ebert

Forensisches Institut Zürich, Zürich, Switzerland

14:45 – 15:00

COFFEE BREAK

15:00 – 16:45

FREE COMMUNICATIONS (IV)

Chairs: *Lars Christian Ebert*, Switzerland and *Silke Grabherr*, Switzerland

15:15 – 15:30

Fit for purpose. Enhancing forensic documentation in emergency care through AI-driven technology

Zoltan Lantos¹, Katalin Fogarasi², Zoltán Patonai³

¹Semmelweis University, Department of Virtual Health Guide Methodology

²Semmelweis University, Institute of Languages for Specific Purposes;

³University of Pécs, Clinical Centre, Department of Traumatology and Hand Surgery

15:30 – 15:45

Injury pattern analysis with supervised learning algorithm in deaths due to blunt force trauma

Panna Jámbor-Hegedüs¹, János Bokor¹

¹ Semmelweis University, Institute of Pathology, Forensic and Insurance Medicine, Budapest, Hungary

15:45 – 16:00 Machine-learning algorithm in Sars-Cov-2 postmortem infection cases in the institute of Forensic Medicine in Timisoara, Romania

*Raluca Dumache¹, Marina-Adriana Mercioni²,
Camelia-Oana Muresan¹, Emanuela Stan¹, Alexandra Enache¹*

¹ Victor Babes University of Medicine and Pharmacy,
Timisoara, Romania

² Polytechnica University, Timisoara, Romania

16:00 – 16:15 Forensic aspects of the digitized medical data and telemedicine – Hungarian experience

Éva M. Kereszty¹

¹ University of Szeged, Department of Forensic Medicine,
Szeged, Hungary

16:15 – 16:30 Forensic Pathology in the age of artificial intelligence: exploring the potential of large language models

Dóra Horváth¹, Gábor Simon¹, Viktor Soma Poór¹, Dénes Tóth¹

¹ University of Pécs, Medical School, Department of
Forensic Medicine, Pécs, Hungary

16:30 – 16:45 Educational frontiers: exploring innovative methods in teaching forensic medicine to undergraduates

*Dénes Tóth¹, Gábor Simon¹, Veronika Heckmann¹,
Dénes Pauka¹, Karola Petrus¹, Zsófia Mrekváné Burián¹,
Vivien Fejes¹, Viktor Soma Poór¹*

¹ University of Pécs, Medical School, Department of
Forensic Medicine, Pécs, Hungary

16:45 – 17:00 COFFEE BREAK

17:00 – 18:00 POSTER SESSION (III)

Chairs: *Michael Tsokos*, Germany
and *Gábor Simon, Viktor Soma Poór*, Hungary

Posters P17 – P32

20:00 - GALA DINNER

09:00-10:30 FREE COMMUNICATIONS (V)

Chairs: *Stefan Pollak*, Germany
and *Roland Weiczner*, Hungary

09:00 – 09:15 Injuries caused by plasma lighters

Gabriella Nagy¹, Karola Petrus¹, Kitti Sági¹, Dénes Pauka¹, Evelin Biczó¹, Gábor Simon¹

¹ University of Pécs, Medical School, Department of Forensic Medicine, Pécs, Hungary

09:15 – 09:30 Case study on expert opinions in Germany

Gábor Gyenes¹, Blanka Tatár², Zoltán Patonai³, Tanja Germerott⁴, Katalin Fogarasi¹

¹ Semmelweis University, Institute of Languages for Specific Purposes, Budapest, Hungary

² North-Buda St. John's Medical Center, Department of Radiology, Budapest, Hungary

³ University of Pécs, Clinical Centre, Department of Traumatology and Hand Surgery, Pécs, Hungary

⁴ University of Mainz, Institute of Forensic Medicine, Mainz, Germany

09:30 – 09:45 Mechanical characteristics of liver according to histological appearance

Katinka Veres¹, Karola Petrus¹, Soma Poór Viktor¹, Gábor Simon¹

¹ University of Pécs, Medical School, Department of Forensic Medicine, Pécs, Hungary

09:45 – 10:00 Fatality from firework-induced trauma: a case report

Antun Ferenčič¹, Tomaž Zupanc¹, Martin Mervic¹

¹ Institute of Forensic Medicine, Ljubljana, Slovenia

10:00 – 10:15 Death by acute myocardial infarction after whiplash injury: natural versus posttraumatic death

Tena Sadlo¹, Elizabeta Matuzalem Marinović¹, Boris Dumenčić¹, Ines Šunjić², Darija Alpeza¹, Luka Klobučarić¹

¹ University Hospital Centre Osijek, Osijek, Croatia

² University Clinical Hospital, Mostar, Bosnia and Herzegovina

10:15 – 10:30 **Determination of the post-mortem interval by assessing the viability of chondrocytes in the knee joint of pigs under winter conditions**

Marko Cvetko¹, Armin Alibegović², Mitja Gombač¹

¹ Veterinary Faculty, Institute for Pathology, Wild Animals, Fish and Bees, University of Ljubljana, Ljubljana, Slovenia

² Faculty of Medicine, Institute of Forensic Medicine, University of Ljubljana, Ljubljana, Slovenia

10:30 – 10:45 **COFFEE BREAK**

10:45 - 12:15 **FREE COMMUNICATIONS (IV)**

Chairs: *Ditor Haliti*, Kosovo and *Gábor Simon*, Hungary

10:45 – 11:00 **Evaluation of the effect of ozone disinfection on forensic presumptive and confirmatory tests of blood, saliva, and semen stains**

*Vivien Fejes*¹, *Gábor Simon*¹, *Katalin Sipos*^{1,2}, *Viktor Soma Poór*¹

¹ University of Pécs, Medical School, Department of Forensic Medicine, Pécs, Hungary

² University of Pécs, Faculty of Pharmacy, Department of Pharmaceutical Biology, Pécs, Hungary

11:00 – 11:15 **Morphology of the sequelae of increased intracranial pressure**

Natasha Davcheva^{1,2,3}

¹ Institute of forensic medicine, Faculty of medicine UKIM Skopje, Skopje, Macedonia

² Faculty of medical sciences UGD Shtip, Shtip, Macedonia

³ Faculty of medicine, University of Maribor, Maribor, Slovenia

11:15 -11:30 **Sternal aspiration as a method of sampling or diatom test**

*Viktor Soma Poór*¹, *Dominika Szűcs*¹, *Vivien Fejes*¹

¹ University of Pécs, Medical School, Department of Forensic Medicine, Pécs, Hungary

11:30 – 11:45 Forensic Toxicological aspects of legally distributed cannabidiol products

Mátyás Mayer^{1,2}, Viktória Varga¹, Mónika Kuzma¹

¹ University of Pécs, Medical School, Department of Forensic Medicine,

² University of Pécs, Clinical Centre, Department of Laboratory Medicine

11:45 – 12:00 Hungarian medical reports of injuries: evaluating terminological and medical consistency in traumatology

Zoltán Patonai¹, Attila Gátos¹, Katalin Fogarasi²

¹ University of Pécs, Clinical Centre, Department of Traumatology and Hand Surgery, Pécs, Hungary

² Institute of Languages for Specific Purposes, Semmelweis University, Budapest, Hungary

12:00 – 12:15 HIV/AIDS, Human rights and medical law - a review from Sri Lankan perspectives

Saratchandra Kodiakra¹

¹ Department of Forensic Medicine, Faculty of Medicine, University of Peradeniya, Peradeniya, Sri Lanka

12:15 -13:00 CLOSING CEREMONY

13:00 – 15:00 CULTURAL PROGRAM IN PÉCS