

Magyar Laboratóriumi Diagnosztikai Társaság 62. Nagygyűlése

2025. augusztus 28-30. Szeged, Hunguest Hotel Forrás
(6726 Szeged, Szent-Györgyi Albert u. 16-24.)

MLDT-62 KONFERENCIA TUDOMÁNYOS PROGRAM

2025. augusztus 28. csütörtök
Helyszín: Juhász Gyula terem

13.00-13.50 Megnyitó ünnepség

A Nagygyűlés résztvevőit üdvözlük:

Rovó László az SZTE rektora

Ajzner Éva az MLDT elnöke

Földesi Imre az MLDT-62 konferencia elnöke

Díjátadások, díjazottjaink ismertetése, laudációk

Bereczky Zsuzsanna az MLDT-titkára

13.50-14.50 Plenáris szekció – Mesterséges intelligencia (PL)

Elnökök: Kovács L. Gábor, Ajzner Éva

PL.1 Evolution and AI: potential benefits and threats (Mesterséges intelligencia: az igazi veszély)
Szathmáry Eörs
Institute of Evolution, Centre for Ecological Research, Budapest, Hungary

PL.2 Health Data Assets and Artificial Intelligence in EESZT (Adatvagyon, mesterséges intelligencia)
Puskás Zsolt Péter
ESZFK Health Informatics Service and Development Centre Nonprofit Ltd.

14.50-15.00 Kiállítás megnyitó

15.00-15.45 Kávészünet

15.45-17.20 Hematológiai diagnosztika szekció (SE1)

Helyszín: Juhász Gyula terem

Elnökök: Hevessy Zsuzsanna, Bagoly Zsuzsa

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- 15.45-16.05 Applicability of laboratory algorithms at a university laboratory in anemia and body fluid analysis
SE1.1 Hevessy Z., Kürti G.-Szabó E., Baráth S., Bartha-Tatár A., Tóth G., Kappelmayer J.
Department of Laboratory Medicine, University of Debrecen, Debrecen, Hungary
- 16.05-16.20 Quality control on hematology cell counters by accreditation requirements and guidelines
SE1.2 Szakony S., Szurovecz M., Zemlenyi M.
Central Laboratory, South Buda Central Hospital, St. Imre University Teaching Hospital, Budapest, Hungary
- 16.20-16.35 False-positive HIL index: How it can lead to the diagnosis of a malignant hematologic disorder
SE1.3 Batik D., Babarczy E., Gőcze P.
Győr-Moson-Sopron-County Petz Aladár University Teaching Hospital, Győr, Hungary
- 16.35-16.50 Challenges in the evaluation of variants of unknown significance in hematological malignancies
SE1.4 Csabán D., Andrikovics H., Csabán D., Benedek-Szabó F., Bors A., Örfi Z.
Laboratory of Molecular Genetics, Central Hospital of Southern Pest – National Institute of Hematology and Infectious Diseases, Budapest, Hungary
- 16.50-17.05 Laboratory evaluation of glucose-6-phosphate dehydrogenase enzyme activity in Hungary
SE1.5 Fejes Z.¹, Kürti G.-Szabó E.¹, Nagy O.^{1,2}, Balogh I.^{1,2}, Hevessy Z.¹, Kappelmayer J.¹
¹Department of Laboratory Medicine, University of Debrecen, Debrecen, Hungary. ²Division of Medical Genetics, University of Debrecen, Debrecen, Hungary
- 17.05-17.20 **Autoimmune hemolytic anemia caused by *Streptococcus pneumoniae* infection – A case report**
SE1.6 Tomán A.¹, Csapody M.², Szabó C.², Bekő G.¹
Central Laboratory¹, Intensive Care Unit², Bethesda Children's Hospital, Budapest, Hungary
- 17.30-18.30 **Abbott Szimpózium (CSI)**

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- 17.30-18.15 From Insight to Impact - Customer focused Abbott diagnostic solutions (A felismeréstől a megvalósulásig - Ügyfélközpontú Abbott diagnosztikai innovációk és megoldások)
- CS1.1 Ifkovics Noémi, Skugor Vlahovic Branka, Dr. Suzana Hatescu, Dragana Aleksovski
Abbott Core Diagnostics
- 18.15-18.30 Investigation of blood biomarkers for the management of traumatic brain injury (TBI)
- CS1.2 Bencze D.¹, Bíró L.², Sütő R.³, Pócsi M.¹, Kappelmayer J.¹, Nagy B. Jr.¹
¹Department of Laboratory Medicine, ²Gyula Kenézy Campus, Emergency Medicine Unit and ³Intensive Care Unit, University of Debrecen, Debrecen, Hungary
- 18.30-19.00 **77 Elektronika Szimpózium (CS2)**
- CS2.1 Urine analysers: instruments, technologies (Vizeletanalizátor készülékek és technológiák)
Bayer Gábor
77 Elektronika Kft.
- CS2.2 Why would I choose this? Experiences with 77 Elektronika urine analysers (Miért ezt választanám? Tapasztalatok a 77 Elektronika vizeletanalizátor készülékeivel)
Nagy Erzsébet
Buda Hospital of the Hospitaller Order of Saint John of God, Central Laboratory
- 20.00-22.00. *Nyitófogadás a Forrás Hotel Éttermében*

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2025. augusztus 29. péntek *Helyszín: Juhász Gyula terem*

8.30-9.30 **Biomarker Szimpózium (CS3)**

Elnökök: Kovács L. Gábor, Ajzner Éva

8.30-8.50 Trends in laboratory medicine
CS3.1 Tomáš Zima
Institute of Medical Chemistry and Laboratory Medicine
of the First Faculty of Medicine and General University Hospital, Prague,
Czech Republic

8.50-9.10 Sustainability in Laboratory Medicine
CS3.2 Tomris Özben
Department of Medical Biochemistry, Medical Faculty, Akdeniz University,
Antalya Turkey

9.10-9.30 The Future' Laboratory with Snibe solutions (A jövő laboratóriuma Snibe
újdonságokkal)
CS3.3 Máthé Andrea
Biomarker Kft.

Párhuzamos Szekciók *Helyszín: Szent-Györgyi Albert terem*

9.35-10.50 A. szekció: Endokrinológia, Új biomarkerek (SE2)
Elnökök: Szakony Szilvia, Karvaly Gellért Balázs

9.35-9.50 Macro-TSH screening in daily practice
SE2.1 Szurovecz M., Szűcs J., Szakony S.
Central Laboratory, South Buda Central Hospital, St. Imre University
Teaching Hospital, Budapest, Hungary

9.50-10.05 A methodology for assaying cortisol and cortisone in serum and dried blood
microsamples in cooled asphyxiated newborns
SE2.2 Csöndör E.¹, Farkas R.¹, Kovács K.², Dobi M.², Kerekes R.², Zsolnai H.²,
Vásárhelyi B.¹, Szabó M.², Karvaly G.B.¹
¹Department of Laboratory Medicine, Semmelweis University, Budapest,
Hungary, ² Department of Neonatology, Pediatric Center, Semmelweis
University, Budapest, Hungary

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- 10.05-10.20 Our experiences with pancreatic elastase measurement in suspected exocrine pancreatic insufficiency among children
SE2.3 Meláth M., Mezei E., Nagy I., Párniczky A.
Heim Pál National Pediatric Institute, Budapest, Hungary
- 10.20-10.35 Analysis of platelet transcripts as potential diagnostic biomarkers for the early detection of lung cancer
SE2.4 Balla G.J.¹, Pócsi M.¹, Lieber A.², Matolay O.³, Szilárd S.⁴, Fejes Z.¹, Kappelmayer J.¹, Nagy B. Jr.¹
¹Department of Laboratory Medicine, ²Department of Pulmonology, ³Department of Oncology, ⁴Department of Biochemistry and Molecular Biology, University of Debrecen, Debrecen, Hungary
- 10.35-10.50 The role of molecular genotyping in the differential diagnostic workflow of hydatidiform mole
SE2.5 Böjtös I., Tardy E.P., Sarkadi E., Simon J., Fülöp V.
Central Hospital of Northern Pest-Military Hospital, Budapest, Hungary

Párhuzamos Szekció *Helyszín: Juhász Gyula terem*

- 9.35-11.05 B. szekció: AI és veleszületett rendellenességek (SE3)**
- Elnökök: Kappelmayer János, Nagy Béla
- 9.35-9.50 Ethical challenges of innovative medical interventions in the face of artificial intelligence
SE3.1 Fodor B.^{1,2}
¹Department of Laboratory, Borsod-Abaúj-Zemplén County Hospital and University Teaching Hospital, Miskolc, Hungary, ²University of Miskolc, Faculty of Healthcare Studies, Miskolc, Hungary
- 9.50-10.05 Admission D-dimer levels combined with artificial intelligence-supported imaging can help predict outcomes in acute ischemic stroke patients treated with intravenous thrombolysis
SE3.2 Kis B.^{1,2}, Orbán-Kálmándi R.^{2,3}, Lóczi L.^{2,4}, Bomberák D.^{2,3}, Hodossy-Takács R.^{2,3}, Szegedi I.^{2,5}, Nagy A.⁶, Kádár Z.A.^{2,3}, Vasas N.¹, Berényi E.¹, Harston G.⁷, Csiba L.^{4,5}, Oláh L.⁵, Bagoly Z.^{2,3}
University of Debrecen, ¹Department of Radiology, ²Lendület “Momentum” Hemostasis and Stroke Research Group of the Hungarian Academy of Sciences,

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³Division of Clinical Laboratory Sciences, ⁴HUN-REN-DE Cerebrovascular Research Group, ⁵Department of Neurology, ⁶Department of Preventive Medicine, Debrecen, Hungary; ⁷Brainomix Ltd., Oxford, UK

- 10.05-10.20 SE3.3 Translating in vivo sensory glucose data into Hemoglobin A1c
Nagy T.¹, Nagy Z.¹, Kátai E.¹, Molnár G.², Wittmann I.², Miseta A.¹
¹Department of Laboratory Medicine, University of Pécs, Medical School, Pécs, Hungary, ²2nd Department of Internal Medicine and Nephrological Center, University of Pécs, Medical School, Pécs, Hungary
- 10.20-10.35 SE3.4 Fifty years of newborn screening for inherited disorders in Hungary
Monostori P.¹, Baráth Á.¹, Galla Z.¹, Grecsó N.¹, Lénárt I.¹, Bereczki C.¹
¹Metabolic and Newborn Screening Laboratory, Department of Paediatrics, University of Szeged, Szeged, Hungary
- 10.35-10.50 SE3.5 Spinal Muscular Atrophy (SMA) laboratory challenges - Case report
Bekő G.¹, Tomán Á.¹, Mikos B.²
Central Laboratory¹, SMA Center², Bethesda Children's Hospital, Budapest, Hungary
- 10.50-11.05 SE3.6 Neonatal gene replacement therapy in spinal muscular atrophy: age-specific characteristics, the importance of collaboration between laboratory specialists and clinicians
Keszthelyi V., Trifán V., Tomán Á., Bekő G., Mikos B.
Bethesda Children's Hospital, Budapest, Hungary
- 11.05-11.25 Kávészünet, műszerkiállítás megtekintése**
- 11.25-11.45 ***Diagnosticum Szimpózium (CS4)***
Helyszín: Juhász Gyula terem
- CS4 Fókuszban az automatizáció
Szalma Anikó
Diagnosticum Zrt.
- 11.45-13.00 Gyógyszerhatások laboratóriumi diagnosztikája (SE4)**
Elnökök: Földesi Imre, Nagy Tamás
- 11.45-12.00 Novel hemophilia treatments require novel approach by the clinical laboratory; case-reports of hemophilia A patients on emicizumab

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- SE4.1 Bereczky Z.¹, Zombori M.², Diaconu A.³, Nagy E.⁴, Horváth Elek D.⁴, Molnár É.¹, Katona É.¹
¹Division of Clinical Laboratory Science, Department of Laboratory Medicine, University of Debrecen, ²Heim Pál Children's Hospital, Budapest, ³Pediatric Department, "Carol Davila" University of Medicine and Pharmacy, Bucharest, ⁴Department of Laboratory Medicine, University of Debrecen
- 12.00-12.15 Pharmaceutical effects and side effects in laboratory reports
 SE4.2 Dolman V., Peterfalvi A.
 Department of Laboratory Medicine, University of Pécs, Medical School, Clinical Centre, Pécs, Hungary
- 12.15-12.30 When medicines turn lethal: A retrospective study of suicide-related substances
 SE4.3 Vén B.¹, Lajtai A.¹, Lakatos Á.¹, Csabai D.¹, Hesszenberger D.¹, Mayer M.², Kuzma M.², Nagy T.¹
¹Department of Laboratory Medicine, University of Pécs, Clinical Centre, Pécs, Hungary, ²Department of Forensic Medicine, University of Pécs, Medical School, Pécs, Hungary
- 12.30-12.45 Supporting precision dosing of vancomycin by using online pharmacokinetic calculators in the clinical laboratory
 SE4.4 Lovász B., Kunz S., Köllő Z., Karvaly G.B.
 Department of Laboratory Medicine, Semmelweis University, Budapest, Hungary
- 12.45-13.00 Escalating doses of intravenous APAC demonstrate anticoagulant effect in pigs
 SE4.5 Bomberák D.^{1,2,3}, Orbán-Kálmándi R.^{1,2}, Lóczy L.^{2,5}, Kádár Z.A.², Hodossy-Takács R.^{1,2,3}, Németh N.⁶, Kappelmayer J.⁴, Jouppila A.⁷, Lassila R.⁷ and Bagoly Z.^{1,2}
 University of Debrecen, ¹Division of Clinical Laboratory Science, ²Lendület "Momentum" Hemostasis and Stroke Research Group of the Hungarian Academy of Sciences, ³Kálmán Laki Doctoral School, ⁴Department of Laboratory Medicine, ⁵HUN-REN-DE Cerebrovascular Research Group, ⁶Department of Operative Techniques and Surgical Research, Debrecen, Hungary, ⁷Aplagon OY, Helsinki, Finland
- 13.00-14.00 *Ebéd a Forrás Hotel Éttermében*

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14.00-14.30 **MLDT-Beckman díjátadás**

Helyszín: Juhász Gyula terem

Elnökök: Ajzner Éva, Bereczky Zsuzsanna

A díjazottak előadása

14.30-15.00 **Beckman szimpózium (CS5)**

14.30-14.40 Improving prostate cancer risk stratification: diagnostic and economic impact of the prostate health index (PHI)

CS5.1 Hajas T.
Beckman Coulter Hungary Ltd.

14.40-14.50 The place and role of proPSA and the PHI index in prostate cancer screening and follow-up - prospective clinical study at the University of Pécs

CS5.2 Damásdi M.
Department. of Laboratory Medicine, University of Pécs, Medical School, Pécs, Hungary

14.50-15.00 Our first experience on the analysis of -2proPSA and determination of Prostate Health Index (PHI) for the management of prostate cancer

CS5.3 Nagy B. Jr.¹, Kalina E.¹, Bálint R.¹, Pócsi M.¹, Flaskó T.², Kappelmayer J.¹
¹Department of Laboratory Medicine, ²Department of Urology, University of Debrecen, Debrecen, Hungary

15.15-16.30 Párhuzamos Poszterszekciók I-IV. (22-29. oldal)

Helyszín: Móra Ferenc terem és a konferencia termek előtti terület

16.30-17.00 Kávészünet, a műszerkiállítás megtekintése

17.00-18.30 Varia szekció (SE5)

Helyszín: Juhász Gyula terem

Elnökök: Antal-Szalmás Péter, Andrikovics Hajnalka

17.00-17.15 Introducing a novel educational platform for learning karyotyping in cytogenetic laboratories

SE5.1 Andrikovics H.¹, Szegedi Z.², Kozma A.¹, Tankó L.¹, Farkas Hamenda G.¹, Heincz Z.¹, Petro P.¹, Antali F.¹, Matula Z.¹, **Borsy A.É.¹**

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¹Laboratory of Molecular Genetics, Central Hospital of Southern Pest – National Institute of Hematology and Infectious Diseases, Budapest, Hungary;
²Bioinformat-X Bt., Budapest, Hungary

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- 17.15-17.30 Effect of hemostasis polymorphisms on the outcome of acute ischemic stroke thrombolysis
SE5.2 Hodossy-Takács R.^{1,2}, Kádár Z.A.^{1,2}, Bomberák D.^{1,2}, Gindele R.¹, Orbán-Kálmándi R.², Lóczi L.², Oláh L.³, Szegedi I.^{2,3}, Csiba L.³, Bagoly Z.^{1,2}
University of Debrecen, ¹Division of Clinical Laboratory Sciences, Department of Laboratory Medicine, ²Lendület “Momentum” Hemostasis and Stroke Research Group of the Hungarian Academy of Sciences, ³Department of Neurology, Debrecen, Hungary
- 17.30-17.45 Difficulties caused by hemoglobin variants in the assessment of hemoglobin A1c
SE5.3 Derzsi N.¹, Czégeni A.², Konderák J.¹, Mezei Z.³, Bartha-Tatár A.³
¹SYNLAB Budapest Diagnostic Centre Clinical Chemistry Laboratory, Budapest, Hungary, ²Department of Internal Medicine and Diabetology II, North-Buda St. John Hospital Budapest, Hungary, ³Department of Laboratory Medicine, University of Debrecen, Debrecen, Hungary
- 17.45-18.00 Cases of combined disorders of hemoglobin composition in Hungary
SE5.4 Szirmay B., Kiss G.
Department of Laboratory Medicine, University of Pécs Medical School, Pécs, Hungary
- 18.00-18.15 Investigation of the interplay between hemostasis and inflammation in acute hemorrhagic stroke patients
SE5.5 Péter-Pakó H.^{1,2}, Lóczi L.², Hodossy-Takács R.^{1,2}, Orbán-Kálmándi R.^{1,2}, Singh P.³, Baráth S.³, Hevessy Z.³, Árokszállási T.⁴, Szegedi I.^{2,4}, Héja M.⁴, Csiba L.⁴, Bagoly Z.^{1,2}
University of Debrecen, ¹Division of Clinical Laboratory Science, ²MTA-DE Lendület “Momentum” Hemostasis and Stroke Research Group, ³Department of Laboratory Medicine, ⁴Department of Neurology, Debrecen, Hungary
- 18.15-18.30 Advances and clinical implications of molecular genetic diagnostics in acute myeloid leukaemia
SE5.6 Andrikovics H., Csabán D., Bors A., Meggyesi N., Kozma A., Órfi Z., Borsy A.É., Tankó L., Szabó F., Tisza K., Hardi A., Harasztdombi J., Szalai L., Bátai Á., Dolgos J., Gopcsa L., Lakatos V., Mikala G., Vályi-Nagy I., Reményi P.
Central Hospital of Southern Pest, Budapest, Hungary

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19.30 *Transzfer a Forrás Hotelből a Fehértói Halászcserébe*

20.00-00.00 Vacsora a Fehértói Halászcserében

Transzferbusz menetrend pénteken:

<i>Indulási idő</i>	<i>Indulás helye</i>	<i>Érkezés</i>
19:30	Forrás Hotel	Fehértói Halászcseré
22:00	Fehértói Halászcseré	Forrás Hotel
23:00	Fehértói Halászcseré	Forrás Hotel
00:00	Fehértói Halászcseré	Forrás Hotel

2025. augusztus 30. szombat

Helyszín: Juhász Gyula terem

8.30-10.00 Autoimmunitás és allergia vizsgálatok szekció (SE6)

Elnökök: Fodor Bertalan, Bekő Gabriella

8.30-8.45 Indirect reference interval determination for an anti-dsDNA autoantibody test
SE6.1 Földesi R., Nagy G., Antal-Szalmás P.
Department of Laboratory Medicine, University of Debrecen, Debrecen,
Hungary

8.45-9.00 Effects of changing methods in the determination of phospholipid
autoantibodies
SE6.2 Huszár K., Mező-Géresi K., Tajti B.T., Simon J.
Central Department of Laboratory Diagnostics, North-Pest Center Hospital –
Military Hospital, Budapest, Hungary

9.00-9.15 Investigation of plasma level of circulating miRNAs in patients with ANCA-
associated vasculitis
SE6.3 Nagy B. Jr.¹, File I.², Pólska S.³, Pócsi M.¹, Fejes Z.¹, Kappelmayer J.¹, Balla
J.²
¹Department of Laboratory Medicine, ²Department of Internal Medicine,
³Department of Biochemistry and Molecular Biology, University of Debrecen,
Debrecen, Hungary

9.15-9.30 Severe haemagglutination interfering with automated blood counting: a
diagnostic challenge in cold agglutinin disease

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- SE6.4 Farkas K.L.¹, Lengyel Z.², Kárpáti K.², Modok S.², Földi É.³, Földesi I.¹
¹Institute of Laboratory Medicine, ²Center of Hematology, University of Szeged, ³Hungarian National Blood Transfusion Service, Szeged, Hungary
- 9.30-9.45 Increased thrombin generation in kidney transplant recipients with donor-specific antibodies directed against human leukocyte antigens
- SE6.5 Lóczy L.^{1,2,3}, Singh P.⁴, Bomberák D.^{1,3}, Nemes B.⁵, Z. Bagoly Z.^{1,2,3}
 University of Debrecen ¹Division of Clinical Laboratory Sciences, ²HUN-REN-DE Cerebrovascular Research Group, ³Lendület “Momentum” Hemostasis and Stroke Research Group of the Hungarian Academy of Sciences, ⁴Department of Laboratory Medicine, ⁵Department of Surgery, Debrecen, Hungary
- 9.45-10.00 Evaluation of viability tests as readout of lymphocyte transformation test in drug hypersensitivity diagnostics
- SE6.6 Gyovai A.¹, Metzler G.¹, Papp K.^{1,2}, J. Prechl J.¹
¹K+F Laboratory, Diagnosticum Zrt, Budapest, ² Department of Physics of Complex Systems, ELTE, Budapest, Hungary
- 10.00-10.30 ***AstraZeneca szimpózium (CS6)***
- 10.00-10.15 Serum enzyme levels and rare disease under the radar: hypophosphatasia (Szérumenzim szint és betegség a radar alatt: a hipofoszfátázia)
- CS6.1 Rácz Gábor
 Department of Pediatrics and Pediatric Health Center, University of Szeged, Szent-Györgyi Albert Medical School, Szeged, Hungary
- 10.15-10.30 There is still something new under the Sun: The rediscovery of alkaline phosphatase (Van új a Nap alatt: az alkalikus foszfatáz újra felfedezése)
- CS6.2 Földesi Imre
 Institute of Laboratory Medicine, University of Szeged, Szent-Györgyi Albert Medical School, Szeged, Hungary
- 10.30-11.00 *Kávészünet, műszerkiállítás megtekintése*
- 11.00-11.30 ***Szimpózium (CS7)***
 Helyszín: Juhász Gyula terem

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- CS6.1 Legitimate questions, legal answers: lab procurement pitfalls and way-outs
(Jogos kérdések, jogszerű válaszok: Laboratóriumi beszerzések útvessztői és kiúttjai)
Kovács Veronika
Partner CMS, Budapest
- 11.30-12.45 **Fórum 'Az egészségügy digitalizációja'**
Koordinátorok: Ajzner Éva, Földesi Imre
- MOK kamarai tagság előnyei
Erdélyi Imola
- Felkért hozzászólók: Puskás Zsolt (ESZFK), Bekő Gabriella (Bethesda Gyermekkorház)
- 13.00 Kongresszus zárása: Ajzner Éva, Földesi Imre**
Poszterdíjak átadása
- 13:30 *Ebéd a Forrás Hotel Éttermében*

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Posztterek

2025. augusztus 29. péntek 15.15-16.30

Helyszin: Móra Ferenc terem és a konferencia termek előtti terület

Poszterszekció I. Klinikai kémia, új biomarkerek

Poszterzsúrík: Kocsis Andrea, Péterfalvi Ágnes

PS1.1 Newborn screening of the SMA in Hungary

Lénárt I.¹, Hegedűs K.², Baráth Á.¹, Bereczki C.¹, Szabó A.², Szatmári I.², Monostori P.¹

¹Metabolic and Newborn Screening Laboratory, Department of Paediatrics, University of Szeged, Szeged, Hungary, ²Paediatric Centre, Semmelweis University, Budapest, Hungary

PS1.2 Early experiences with Alzheimer's disease risk assessment

Ölveczky-Hajszán A., Pintér E.

Synlab Budapest Diagnostic Center, Immunology Laboratory, Budapest, Hungary

PS1.3 Interferences in complete blood count analysis in severely burned patients – case studies

Papp I., Kiss G., Szirmay B.

Department of Laboratory Medicine, University of Pécs, Medical School, Pécs, Hungary

PS1.4 Developing an artificial intelligence-supported automated karyotyping software: the KAYRA

Borsy A.É.¹, Kozma A.¹, Farkas Hamenda G.¹, Brucsi-Molnár A.¹, Tankó L.¹, Pintér A.^{2,3}, Répai A.², Cserey G.³, Andrikovics H.¹

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PS1.5 Serum gelsolin as a complementary marker for intensive care unit-acquired weakness among critically ill patients

Horváth-Szalai Z.¹, Rostás I.¹, Szirmay B.¹, Ragán D.¹, Kustán P.¹, Huber T.², Papp I.¹, Miseta A.¹, Mühl D.³, Kőszegi T.¹, Molnár T.³

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PS1.6 Serum actin-binding proteins with potential predictive value in traumatic brain injury patients

Horváth-Szalai Z.¹, Szirmay B.¹, Rostás I.¹, Szekeres Z.¹, Dobos Á.¹, Nagy Z.¹, Amrein K.², Huber T.³, Péterfalvi Á.¹, Gombos K.¹, Nagy T.¹, Tóth P.², Kőszegi T.¹, Czeiter E.²

¹Department of Laboratory Medicine, ²Department of Neurosurgery, ³Department of Biophysics, University of Pécs, Pécs, Hungary

PS1.7 Comparison of the effect of CFTR modulators via human epididymis protein 4 (HE4) serum level in p.Phe508del-CFTR homozygous cystic fibrosis (CF) patients

Pócsi M.¹, Szántó T.G.², Péterfia C.³, Halász A.⁴, Mészáros B.², Laki I.⁵, Szabó H.⁶, Panyi G.², Nagy B. Jr.¹

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PS1.8 The relationships between triglycerides, lipemic index, and LDL cholesterol on the Beckman Coulter analyzer

Altmann Á., Sipos L.

Synlab Hungary Kft, Székesfehérvár, Hungary

PS1.9 One year's success of improved angiotensin-converting enzyme activity measurement: A comprehensive overview

Szabó A.Á., Enyedi E.E., Tóth Z.B., Pintér T.B., Siket I.M., Fagyas M.

Division of Clinical Physiology, University of Debrecen, Debrecen, Hungary

PS1.10 The introduction of the correction of the sodium concentration in our Laboratory for hyperglycaemia

Pákozdi C., Dávid E.V., Orosz A., Simon Á.

Central Laboratory, Hetényi Géza Country Hospital, Szolnok, Hungary

PS1.11 Verification of quantitative examination methods according to guidelines

Szűcs J., Szurovecz M., Szakács J., Szakony S.

Central Laboratory, South Buda Central Hospital, St. Imre University Teaching Hospital, Budapest, Hungary

PS1.12 Sweat chloride testing in pediatric cystic fibrosis diagnosis: Opportunities and limitations. Experiences with Macroduct® and Chlorochek® systems

Czingolya-Fodor V.¹, Gilányi I.¹, Szegedi H.¹, Soltész P.¹, Kretovics J.G.¹, Fodor B.^{1,2}

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PS1.13 Lipoproteins and apolipoproteins as cardiovascular risk factors

Domokos-Taró T.^{1,2}, Jost K.², Nikodémusz E.², Földesi I.²

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PS1.14 Analytical performance evaluation of the ECL-100 immunochemistry analyser

Joó P., Berbécs Prescsák A., Ajzner É.

Szabolcs-Szatmár-Bereg County Hospital and University Teaching Hospital, Nyíregyháza, Hungary

PS1.15 Analysis of proinflammatory cytokines in cerebrospinal fluid (CSF) samples of patients with subarachnoid hemorrhage (SAH)

Nagy B. Jr.¹, Pócsi M.¹, Szántó D.², Bodnár F.³, Molnár C.², Fülesdi B.², Kappelmayer J.¹

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Poszterszekció II. Endokrinológia, tumor markerek

Poszterzsűrik: Simon Judit, Seres Erika

PS2.1 Really that much?

Szabó T., Szabó S., Vass L., Seres E.

Bács-Kiskun County Teaching Hospital, Kecskemét, Hungary

PS2.2 The importance of gastropanel markers

Kádár K.B., Pintér E.

SYNLAB Diagnostic Center, Immunology Laboratory, Budapest, Hungary

PS2.3 Parathyroid hormone washout as complementary diagnostic tool

Király T.¹, Deák V.², Rucz K.³, Solymosi T.⁴, Peti A.¹

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PS2.4 Reference intervals for Anti-TPO and Anti-TG biomarkers in children, pregnant women and adults

Kecskeméti G.^{1,2}, Szabó Z.³, Sallay K.⁴, Nagy I.⁵, Nagy B. Jr.¹, Shemirani A.H.^{1,6}

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⁴Children's General Practitioner, Tatabánya, Hungary, ⁵Corden International,

Budapest, Hungary, ⁶Central Integrated Laboratory, Tatabánya, Hungary

PS2.5 Not all tumors that appear to be tumors or diagnostic challenge of systemic lupus erythematosus

Varga R.¹, Fodor B.^{1,2}

¹Borsod-Abaúj-Zemplén County Central Hospital, Miskolc, Hungary

²Institute of Clinical Methodology, Faculty of Healthcare Studies, University of Miskolc, Miskolc, Hungary

PS2.6 Life or death? A versatile biomarker: neuron-specific enolase (NSE)

Kiss I.¹, Hankovszky P.², Bukva M.³, Telkes M.¹, Babik B.², Földesi I.¹

¹Institute of Laboratory Medicine, ²Institute of Anaesthesiology and Intensive Care,

³Faculty of Science and Informatics, University of Szeged, Szeged, Hungary

PS2.7 Screening of colorectal cancer by qualitative and quantitative determination of human haemoglobin in faeces

Tóbiás Á.^{1#}, Lukács A.^{1#}, Hoffmann A.¹, Bartucz H.¹, Gálóczi I.¹, Czákó L.²,

Gieszinger G.², Földesi I.³, Gao P.⁴, Varga C.¹

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Inc, San Diego, USA; #: contributed equally

PS2.8 **Peripheral arterial disease (PAD) as a marker of altered thyroid hormone metabolism in patients with diabetic foot ulcers – A retrospective analysis**

Dávid E.V.¹, Pákozdi C.¹, Barta G.², Simon Á.¹

¹Central Laboratory; ²Department of Internal Medicine, Hetényi Géza County Hospital, Szolnok, Hungary

PS2.9 The role of laboratory medicine in the diagnostics of Cushing's syndrome: a retrospective review of cases of patients undergoing bilateral inferior petrosal sinus catheterization

Kurunczi M.¹, Telkes M.¹, Kupai K.², Valkusz Z.², Földesi I.¹

¹Institute of Laboratory Medicine and ²Department of Internal Medicine and Cardiology Center, Albert Szent-Györgyi Clinical Center, University of Szeged, Szeged, Hungary

PS2.10 Reward dependence and „Flow” state appearance in sport performance

Nagy Z.^{1,2}, Karsai I.³, Nagy T.¹, Kátai E.¹, Miseta A.¹, Fazekas G.⁴, Láng A.⁵, Kocsor F.⁵, Kállai J.⁶

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PS2.11 Unexpectedly high free T4 level without clinical symptoms

Szabó B., Zsjak K., Nagy M., Szellő O.

: Buda Hospital of the Hospitaller Order of Saint John of God, Budapest, Hungary

PS2.12 Circulating cell-free DNA methylation profiling for early detection of colorectal cancer

Lukász P.¹, Mészáros A.², Szakács O.², Serdült A.², Hunyadi P.², Virág L.², **Kis D.**², Szijártó A.¹, Biró O.², Bánky B.¹

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Poszterszekció III. Hematológia, hemosztázis

Poszterzsűrű: Bekő Gabriella, Szoboszlai István

PS3.1 Evaluation of two automated capillary electrophoresis and immunofixation systems for human serum protein analysis

Mező-Géresi K., Huszár K., Tajti B. T., Simon J.

Central Department of Laboratory Diagnostics, North-Pest Center Hospital – Military Hospital, Budapest, Hungary

PS3.2 Early detection of the *BCR::ABL1* T315I mutation in Philadelphia-positive acute lymphoid leukemia and chronic myeloid leukemia

Meggyesi N.¹, Varga L.¹, Antal F.¹, Harasztombi J.², Hardi A.², Lakatos V.², Gopcsa L.², Reményi P.², Andrikovics H.¹

¹Laboratory of Molecular Genetics, ²Department of Haematology and Stem Cell Transplantation, Central Hospital of Southern Pest, National Institute of Hematology and Infectious Diseases, Budapest, Hungary

PS3.3 Verification during the preanalytical phase of hemostasis

Sipos L., Szabó M., Brumbauer M., Farkas M., Kiss B.

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Synlab Hungary Kft, Székesfehérvár, Hungary

PS3.4 Acquired autoimmune hemolytic anemia - a case report

Varga R., László K.

Synlab Laboratory, Székesfehérvár, Hungary

PS3.5 Impact of different platelet counts on the results of lupus anticoagulant tests

Pető O., László K.

Synlab Laboratory, Székesfehérvár, Hungary

PS3.6 Identification of pathogenic hybrid genes in patients with atypical hemolytic uremic syndrome

Takács B.¹, Szabó E.E.¹, Marossy K.¹, Prohászka Z.¹, Szilágyi Á.¹

¹Department of Internal Medicine and Haematology, Research Laboratory,
Semmelweis University, Budapest, Hungary

PS3.7 Identification of the underlying genetic variants in a case with hereditary thrombotic thrombocytopenic purpura

Miklós J.¹, Sinkovits G.¹, Prohászka Z.¹, Szilágyi Á.¹

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Semmelweis University, Budapest, Hungary

PS3.8 Paraprotein interference: a hidden challenge in laboratory diagnostics – case studies

Menrát-Fazekas D., Méri A., Galasz V., Simon J.

Central Department of Laboratory Diagnostics, North-Pest Center Hospital – Military
Hospital, Budapest, Hungary

PS3.9 Germline-focused tumor analysis in hematological malignancies

Varga L., Csabán D., Örfi Z., Bors A., Tankó L., Borsy A.É., Harasztombi J., Hardi A.,
Reichardt J., Fábíán J., Várkonyi A., Lakatos V., Gopcsa L., Reményi P., Andrikovics H.
Central Hospital of Southern Pest, Budapest, Hungary

PS3.10 Inflammatory biomarkers predict outcome after thrombolysis in acute ischemic stroke

Éles Z.^{1,2}, Lóczi L.^{1,2}, Bomberák D.^{1,2}, Orbán-Kálmándi R.^{1,2}, Szegedi I.^{2,3}, Csiba L.³,
Oláh L.³, Nagy A. C.^{2,4}, Dénes Á.⁵, Bagoly Z.^{1,2}

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“Momentum” Hemostasis and Stroke Research Group of the Hungarian Academy of
Sciences, ³Department of Neurology, ⁴Department of Health Informatics, Debrecen,
Hungary, ⁵“Momentum” Laboratory of Neuroimmunology, Budapest, Hungary

PS3.11 Case report of acquired dysfibrinogenemia

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Réger B.¹, Kátai E.¹, Pál S.², Faust Z.²

¹Department of Laboratory Medicine, ²Department of Transfusion Medicine, Pécs, Hungary

PS3.12 The effect of road transport on the results of routine blood coagulation tests

Harsányi M.,¹ Jakab É.¹, Csernák Z.¹, Pintér E.², Hideg T.³

¹ Synlab Budapest Szent János Hospital Laboratory (JKH), ²SYNLAB Hungary Immunology Laboratory of Budapest Diagnostic Center, ³SYNLAB Hungary Clinical Chemistry Laboratory of Budapest Diagnostic Center (SBDK), Budapest, Hungary

PS3.13 Development of a new ELISA assay for the quantitative determination of anti-emizumab antibodies

Katona É.¹, Uj E.A.^{1,2}, Diaconu A.³, Bereczky Z.¹

¹Division of Clinical Laboratory Science, Department of Laboratory Medicine, ²Kálmán Laki Doctoral School, University of Debrecen, Debrecen, Hungary, ³Pediatric Department, “Carol Davila” University of Medicine and Pharmacy, Bucharest, Romania

PS3.14 Beta-antithrombin levels in patients with venous thromboembolism

Uj E. A.^{1,2}, Molnár É.¹, Miklós T.^{1,2}, Gindele R.¹, Shemirani A.H.¹, Bereczky Z.¹, Katona É.¹

¹Division of Clinical Laboratory Science, Department of Laboratory Medicine, ²Kálmán Laki Doctoral School, University of Debrecen, Debrecen, Hungary

PS3.15 Monoclonal gammopathy detected through an atypical D-dimer profile

Ivanciuc A., Sárközi-Pál E.G., Hurják B., Szoboszlay I.

Markhot Ferenc County Hospital, Eger, Hungary

PS3.16 Clinical symptoms, genetic findings, and pregnancy outcomes in patients with low plasminogen activator inhibitor-1 levels

Hodossy-Takács R.^{1,2}, Orbán-Kálmándi R.², Molnár É.¹, Tóth E.L.³, Deli T.³, Lóczi L.², Molnár S.¹, Schlammadinger Á.⁴, Boda Z.⁴, Rázsó K.⁴, Brúgós B.⁴, Kerényi A.⁵, Bereczky Z.¹, Krasznai Z.T.³, Bagoly Z.^{1,2}

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Poszterszekció IV. Immunológia, infektológia

Poszterzsúri: Antal-Szalmás Péter, Simon Ágnes

PS4.1 A truly quantitative immunoassay for the characterization of antigen specific serum antibody response

Prechl J.¹, Kovács Á.^{2,3}, Papp K.^{1,4}, Hérincs Z.¹, Pfeil T.⁵

¹K+F Laboratórium, Diagnosticum Zrt, Budapest, ²Department of Applied Analysis and Computational Mathematics, ELTE, Budapest, ³Department of Biostatistics, University of Veterinary Medicine Budapest, ⁴Department of Physics of Complex Systems, ELTE, Budapest, ⁵HUN-REN-ELTE Numerical Analysis and Large Networks Research Group, Budapest, Hungary

PS4.2 Frequency of mono- and polysensitization in food and respiratory allergies in Budapest and Debrecen

Varjú O.¹, Pintér E.¹, Sipka S.²

¹Synlab Budapest Diagnostic Center, Immunology Laboratory, Budapest, ²Department of Internal Medicine, Clinical Center, University of Debrecen, Debrecen, Hungary

PS4.3 Fully automated indirect immunofluorescence test processing

Jakab M., Pintér E.

Synlab Budapest Diagnostic Center, Immunology Laboratory, Budapest, Hungary

PS4.4 Investigation of the genetic background of properdin deficiency in two families

Szabó E.E., Tóth A., Prohászka Z., Szilágyi Á.

Department of Internal Medicine and Haematology, Research Laboratory, Semmelweis University, Budapest, Hungary

PS4.5 Comparison of Gram-positive and Gram-negative bloodstream infections based on routine laboratory parameters.

Bodri M.¹, László K.², Barna K.T.¹

¹SYNLAB Laboratory Dunaújváros, Dunaújváros, Hungary; ²SYNLAB Laboratory Székesfehérvár, Székesfehérvár, Hungary

PS4.6 Investigation of interference between homogeneous and centromere indirect immunofluorescence antinuclear antibody patterns

Szabó L., Kovalcsik A., Földesi R., Török Sörös É., Antal-Szalmás P., Nagy G.

Department of Laboratory Medicine, University of Debrecen, Debrecen, Hungary

PS4.7 Comparative evaluation of indirect immunofluorescence methods for the detection of anti-smooth muscle antibodies

Demeter S.¹, Nagy G.¹, Földesi R.¹, Török Sörös É.¹, Papp M.², Antal-Szalmás P.¹

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PS4.8 Identification of a new hypervirulent CC17 *Streptococcus agalactiae* strain in unusually rapid and fatal newborn meningitis

Kovács D.¹, Sacheli R.², Meex C.², Melin P.², Tóth Á.³, Papp K.¹, Ajzner É.¹

¹Szabolcs-Szatmár-Bereg County Hospital and University Teaching Hospital, Nyíregyháza, Hungary; ²National Reference Center *Streptococcus agalactiae* University Hospital Centre of Liège, Belgium; ³National Center for Public Health and Pharmacy, Budapest, Hungary

PS4.9 Human recombinant RNase7/Fc fusion protein – a possible opsonin

Földesi R.¹, Nagy G.¹, Vereb G.², Majoros L.³, Antal-Szalmas P.¹

¹Department of Laboratory Medicine, ²Department of Biophysics and Cell Biology, ³Department of Medical Microbiology, University of Debrecen, Debrecen, Hungary

PS4.10 Kinetics of humoral immune reactions to the SARS-CoV-2 mRNA vaccine

Farkas K.L.¹, Szilasi J.T.¹, Araczkai Á.¹, Márki Á.², Szűcs M.², Bánhalmi A.³, Földesi I.¹

¹Institute of Laboratory Medicine, ²Institute of Medical Physics and Informatics, ³Department of Software Engineering, University of Szeged, Szeged, Hungary

PS4.11 Comparative analysis of autoantibody positivity during the COVID-19 pandemic and the non-COVID period

Kopasz Á., Marossy A., Pintér E.

Synlab Diagnostic Center, Immunology Laboratory, Budapest, Hungary

PS4.12 24/7 with passion: saving time, saving lives?

Móra-Oravecz D., Käfer M., Simon J.

North-Pest Central Hospital – Military Hospital, Budapest, Hungary

PS4.13 The role of gender and age in the development of iron overload and anemia in patients with chronic kidney disease

Potó S., Korponai H., Hemrik H.

Corden Hungary Ltd., Flór Ferenc Hospital, Kistarcsa

Felhívjuk figyelmüket, hogy a programváltoztatás jogát a konferencia Tudományos Bizottsága fenntartja!