



HMAA-HC

HUNGARIAN MEDICAL ASSOCIATION
OF AMERICA HUNGARY CHAPTER

19th Summer Conference



VÁRGESZTES

4-6th

September
2025



Várgesztes Conference Programme

4th September 2025

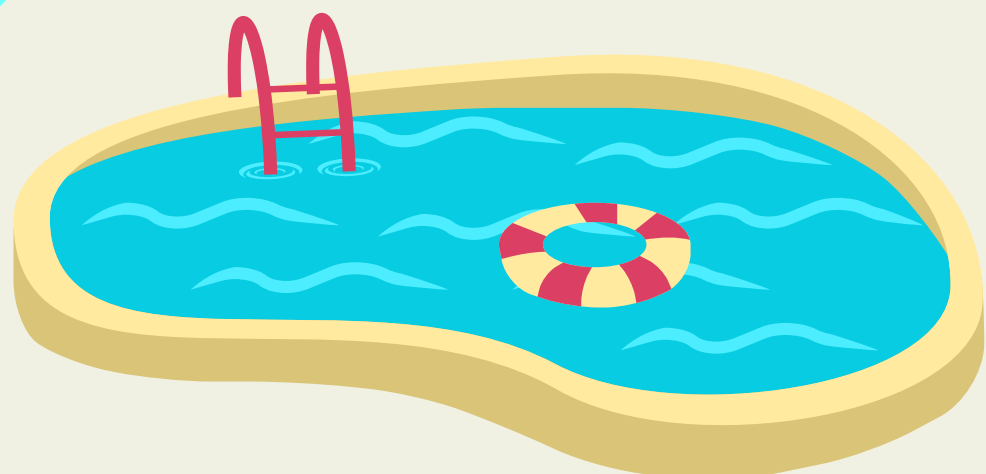
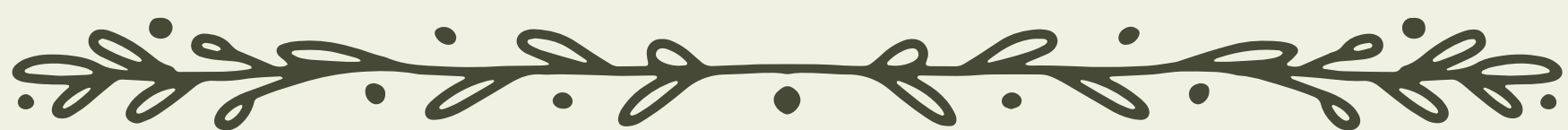
15:00- ARRIVAL/ CHECK-IN: 2824 Várgesztes, Villapark

General Information

Our conference will take place at Várgesztes Villa Park, a comfortable and spacious venue surrounded by nature. You can get there by car, train, or long-distance bus, and parking is free on site.

The villas are fully equipped with kitchens, Wi-Fi, and shared spaces for group activities. In your free time, you can enjoy the swimming pool, wellness facilities, and nearby outdoor areas, so don't forget to bring your swimwear, a towel. Pack casual clothes, comfortable shoes, and anything you might need for both the sessions and leisure time.

Note that dinner and breakfast is not included, but you can buy food at the restaurant or make it at the apartment for yourself)



Várgesztes Conference Programme

5th September 2025

8:30-16:00- REGISTRATION

9:30-10:30- OPENING CEREMONY

10:40- 11:40- INTERDISCIPLINARY ORAL SESSION I. - Hága Hall
Immunology-Cell Biology-Pharmacy-Physiology-Pathophysiology

10:40- 11:40- INTERDISCIPLINARY ORAL SESSION III. - Breda Hall
Surgery-Traumatology-Neurosurgery-Neurology-Otorhinolaryngology- Pediatrics

11:50- 12:50- INTERDISCIPLINARY ORAL SESSION II. - Hága Hall
Physiology-Pathophysiology-Biochemistry-Biophysics-Anatomy

11:50- 12:50- INTERDISCIPLINARY ORAL SESSION IV. - Breda Hall
Radiology-Dermatology-Cardiology-Internal Medicine-Family Medicine

12:00- 15:00- LUNCH



13:00- 13:15- GYÖRGY KOVÁCS JD - Hága Hall
Fullbright Program rond table discussion

13:30- 14:30- GYÖRGY KOVÁCS JD - Hága Hall
AI in Clinical Decision-Making: Liability, Legal Frameworks, and Best Practices

14:30- 15:00- PÉTER KANIZSAI MD - Emergency quiz - Hága Hall

15:00- 15:30- TÁRNOKI ÁDÁM MD & TÁRNOKI DÁVID MD
LUNG IMAGING AND RADIOMICS - Hága Hall

14:30- 15:30- ZSOLT GARAMI MD - Houston exchange - Breda Hall

15:30- 16:30- INTERDISCIPLINARY EPOS SESSION I. - Hága Hall
Anatomy-Physiology-Pathophysiology

15:30- 16:30- INTERDISCIPLINARY EPOS SESSION II. - Breda Hall
Immunology-Cell Biology-Pathology-Oncology-Prevention

18:30- 19:00- SURPRISE SECTION BY ZSOLT GARAMI MD,
PRESIDENT OF HMAA

19:00- BANQUET

21:00- MEET & GREET





Várgesztes Conference Programme



6th September 2025

9:30- 10:40- INTERDISCIPLINARY EPOS SESSION III. - Hága Hall
Sport Sciences-Prevention-Health Sciences-Sport Sciences

9:30- 10:40- INTERDISCIPLINARY EPOS SESSION IV. - Breda Hall
Otorhinolaryngology-Otrhopedics-Ophthalmology-Anesthesiology-
Intensive Care-Emergency Care-Surgery-Traumatology-Neurosurgery

10:40- 11:50- INTERDISCIPLINARY ORAL SESSION V. - Hága Hall
Neurology-Dermatology-Cardiology-Dermatology-Pediatrics

10:40- 11:50- INTERDISCIPLINARY ORAL SESSION VI. - Breda Hall
Internal Medicine-Family Medicine-Rheumatology

12:30- 14:40- BÁLINT KÖRNYEI MD - US hands-on workshop - Hága Hall

12:30- 13:30- GÁBOR HORVÁTH MD- How to prepare for an interview?
Followed by HMAA exchange exit interview - Breda Hall

13:40- 14:40- KLARA VANDERMARK DBH: Psychiatric care in the USA-
Breda Hall

12:00- 15:00- LUNCH



15:30- 16:30- AWARD AND CLOSING CEREMONY



Skin cancer screening is available at the following times
(by Leticia Szadai MD):

5th September 2025: 11:00- 12:30, 14:15- 15:00, 15:30- 17:00

6th September 2025: 11:00- 12:10



Idő	5th September 2025. Friday	
08:30-16:00	Registration	
09:30-10:30	Opening ceremony	
	Hága Hall	Breda Hall
10:40-11:40	Interdisciplinary Oral Session I. (Immunology-Cell Biology-Pharmacy-Physiology-Pathophysiology)	Interdisciplinary Oral Session III. (Surgery - Traumatology - Neurosurgery-Neurology-Otorhinolaryngology- Pediatrics)
11:50-12.50	Interdisciplinary Oral Session II. (Physiology-Pathophysiology-Biochemistry-Biophysics-Anatomy)	Interdisciplinary Oral Session IV. (Radiology-Dermatology-Cardiology-Internal Medicine-Family Medicine)
13:00-13:15	Kovács György JD: Fullbright Program rond table discussion	
13:30-14:00	György Kovács JD: AI in Clinical Decision-Making: Liability, Legal Frameworks, and Best Practices	
14:00-14:30		
14:30-15:00	Péter Kanizsai MD: Emergency quiz	Zsolt Garami MD: Houston exchange

15:00-15:30	Tárnoki Ádám MD & Tárnoki Dávid MD: Lung imaging and radiomics	
15:30-16:30	Interdisciplinary EPOS session I. (Anatomy-Physiology-Pathophysiology)	Interdisciplinary EPOS session II. (Immunology-Cell Biology-Pathology-Oncology-Prevention)
18:30-19:00	Surprise section by Zsolt Garami MD, President of HMAA	
19:00-21:00	Banquet	
21:00	Meet and Greet	



12:00-15:00: *Lunch*



**10:40-11:40: Interdisciplinary Oral
Session I.**

Lucien Lemaitre (EN): The effects of paracellular barrier tightening on the structure and functions of focal adhesions in a human blood-brain barrier model (Institute of Biophysics, HUN-REN Biological Research Centre, University of Szeged)

Katalin Anna Olasz (EN): Stochastic Agent-Based Modeling of Salmonella Infections (Semmelweis University)

István Révész (EN): Co-engineering epidermal growth factor receptor 2 (HER-2)-specific chimeric antigen receptor (CAR) macrophages with C-X-C motif chemokine ligand 9 (CXCL9) to enhance antitumor activity (Department of Medical Chemistry, University of Debrecen)

Rebeka Petrák (EN): Pharmacological blockade of a neuroinflammatory pathway to relieve chronic stress-induced pain in a mouse model (Department of Pharmacology and Pharmacotherapy, Medical School & Centre of Neuroscience, University of Pécs)

Dóra Szabó (EN): Trastuzumab Decreases the Expression of G1/S Regulators and Syndecan-4 Proteoglycan in Human Rhabdomyosarcoma (Department of

**10:40-11:40: Interdisciplinary Oral
Session III.**

Hajnalka Petra Kulcsár (HU): Quality of Life Assessment in Patients Undergoing Surgery for Breast Tumors - Using a Modified EORTC QLQ-BR45 Questionnaire (Department of Surgery, University of Debrecen)

Lukács Benedek Németh (EN): Contemporary Therapeutic Management of Pineal Region Tumors (Department of Neurosurgery, Semmelweis University)

Eszter Török (HU): The Role of Artificial Intelligence in the Diagnosis of Obstructive Sleep Apnea (Department of Otorhinolaryngology and Head and Neck Surgery, Semmelweis University)

Sára Vida (EN): Selective neuronal and microglial changes in SORL1-dependent Alzheimer's disease in human and mouse brain tissue (Laboratory of Neuroimmunology, HUN-REN Institute of Experimental Medicine, Budapest, Hungary)

Beáta Anna Lutz (EN): Diagnostic Value of CRP and PCT in Pediatric Oncology Patients with Invasive Fungal Infections: A Retrospective Study (Oncohematology Unit, Department of Pediatrics, University of Pécs)

<p>Biochemistry, Faculty of Medicine, University of Szeged)</p> <p><u>Rebeka Rita Vágó (HU):</u> Supernormal cardiac function: exercise vs. dapagliflozin (University of Debrecen, Faculty of Medicine, Institute of Cardiology, Division of Clinical Physiology)</p>	<p><u>Tícia Lilla Oláh (EN):</u> The Effect of Maternal Vitamin Supplementation on the Health of Children Conceived via In Vitro Fertilization (Department of Paediatrics, University of Pécs)</p>
<p>11:50-12:50: Interdisciplinary Oral Session II.</p> <p><u>Gábor Godova (EN):</u> Investigation of the effect of sulpiride microinjected into the ventral pallidum on spatial learning and sensorimotor gating in neurotypical and MAM-E17 schizophrenia model rats (Department of Physiology, University of Pécs)</p> <p><u>Rosemary Kothalawala (EN):</u> Characterization of the structural organization of biological membranes by various environment sensitive fluorophores (Department of Biophysics and Cell Biology, University of Debrecen)</p> <p><u>Rebeka Orova (EN):</u> In vitro and in vivo metabolic characteristics of alpha-ketoglutarate-dehydrogenase E2+/- and E3+/- double heterozygous knockout mice (Institute of Biochemistry and Molecular Biology, Semmelweis University)</p> <p><u>Péter Pápai Dr (EN):</u> Inhibition of the fractalkine chemokine receptor CX3CR1 reduces spontaneous pain</p>	<p>11:50-12:50: Interdisciplinary Oral Session IV.</p> <p><u>Zsófia Somogyiné Nagy (HU):</u> Reliability assessment of spectral absorption curve measurements for differentiating between mucinous and non-mucinous pancreas cysts (Department of Radiology, Medical Imaging Centre, Semmelweis University)</p> <p><u>Phyllida Kerstin Hamilton-Meikle (EN):</u> Uses of dermoscopically-guided high-frequency ultrasound in Dermatology (Department of Dermatology, Dermatooncology and Venereology, Semmelweis University)</p> <p><u>Benedek Nagy (EN):</u> Tyrosinase Expression Modulates Sensitivity to GPX4 Inhibition and Glutathione Levels in Melanoma (Department of Physiology, Semmelweis University)</p> <p><u>Benjámín Paskuj (EN):</u> Electrophysiological effects of SGLT2 inhibitors in canine and human cardiac preparations (Department of Pharmacology and</p>

<p>and histopathological damage in mice (Department of Pharmacology and Pharmacotherapy, Medical School, University of Pécs)</p> <p><u>Marcell Schmidt (EN)</u>: Age-related changes in dopaminergic areas of the mesencephalon in wild-type and PACAP gene knockout mice (Department of Anatomy, University of Pécs)</p> <p><u>Gergő Zalán Biró (EN)</u>: Effects of hypercholesterolemia on cardiac function in male and female rats (Department of Biochemistry, University of Szeged)</p>	<p>Pharmacotherapy, University of Szeged)</p> <p><u>Bence Pósa (EN)</u>: Circulating Matrix Metalloproteinases as Predictors of Exercise-Induced Cardiopulmonary Response in Systemic Sclerosis (Department of Pharmacology and Pharmacotherapy, University of Szeged)</p> <p><u>Artúr Tóth (EN)</u>: Investigation of inflammasome activity in a rodent model of decompensated heart failure (Department of Pharmacology and Pharmacotherapy, Semmelweis University)</p>
<p>15:30-16:30: Interdisciplinary EPOS session I.</p> <p><u>Botond Drahos (EN)</u>: A novel somatosensory pathway that terminates aggression (Laboratory of Neuromorphology, Department of Anatomy, Histology and Embryology, Semmelweis University)</p> <p><u>Bálint Turcsán (HU)</u>: The role of intraamygdaloid oxytocin in novel object recognition in valproate induced autism rat model (Institute of Physiology, University of Pécs)</p> <p><u>Kazushi Ogasawara (EN)</u>: Investigation of the role of transient receptor potential ankyrin-1 and vanilloid-1 in the hibernation-like state torpor (Department of Thermophysiology, Institute for</p>	<p>15:30-16:30: Interdisciplinary EPOS session II.</p> <p><u>Kristóf Gui (EN)</u>: Analysis of the classical and extended synergy transcriptional programs in macrophages in the presence and absence of the BACH1 transcription factor (Institute of Biochemistry and Molecular Biology (BMBI), University of Debrecen)</p> <p><u>Nóra Szoboszlai (EN)</u>: Molecular classification and genetic profiling of diffuse large B-cell lymphoma (Semmelweis University, HCEMM-SE Molecular Oncohematology Research Group)</p> <p><u>Ebubechukwu Obi-Agha (EN)</u>: MRI-Based Evaluation of Treatment</p>

<p>Translational Medicine, University of Pécs)</p> <p><u>Dávid Vince Simon (EN)</u>: Examining the role of Hemokinin-1 in memory impairment in old age (Department of Pharmacology and Pharmacotherapy, University of Pécs)</p> <p><u>Fanni Dóra Kiss (EN)</u>: Treadmill training and caloric restriction delay age-related changes in central urocortin 2 effects on energy balance (Institute for Translational Medicine, University of Pécs)</p> <p><u>Zsanna Gecse (EN)</u>: Characterization and ontogeny of colon mucosal SOX10+ cells using chicken embryomanipulation and transgenic methods (Department of Anatomy, Histology and Embriology, Semmelweis University)</p>	<p>Response in Cervical Cancer (Semmelweis University)</p> <p><u>Szilárd Veres Dr. (EN)</u>: Associations between Breast Cancer and Gut Microbiome Composition in Hungarian Twins (Oncologic Imaging and Invasive Diagnostic Centre and the National Tumor Biology Laboratory, National Institute of Oncology, Semmelweis University)</p> <p><u>István Tóth (EN)</u>: Cell based therapies in neurovascular aging related processes (Department of Biophysics Biological Research Centre Szeged)</p> <p><u>Emese Györffy (EN)</u>: Association between central nervous system microcirculatory status and motor-cognitive performance in middle-aged participants of the Semmelweis Study (Institute of Preventive Medicine and Public Health, Semmelweis University)</p>
---	--

6th September 2025. Saturday		
Idő	Hága Hall	Breda Hall
9:30-10:40	Interdisciplinary EPOS session III. (Sport Sciences-Prevention-Health Sciences-Sport Sciences)	Interdisciplinary EPOS session IV. (Otorhinolaryngology-Otrhopedics-Ophthalmology-Anesthesiology-Intensive Care-Emergency Care-Surgery - Traumatology - Neurosurgery)
10:40-11:50	Interdisciplinary EPOS session V. (Neurology-Dermatology-Cardiology-Dermatology-Pediatrics)	Interdisciplinary EPOS session VI. (Internal Medicine-Family Medicine-Rheumatology)
12:30-13:30	Bálint Környei MD: US hands-on workshop	Gábor Horváth MD: How to prepare for an interview? Followed by HMAA exchange exit interview
13:40-14:40		Klara Vandermark DBH: Psychiatric care in the USA
15:30-16.30	Award and Closing ceremony	



12:00-15:00: **Lunch**

**9:30-10:40: Interdisciplinary EPOS
session III.**

Regina Benkő (EN): Correlations between body composition and aerobic fitness in elite youth water polo players (Heart and Vascular Center, Semmelweis University)

Attila Kállai (EN): Advancing detection of retinal vascular dysfunction associated with age-related vascular cognitive impairment: development of a comprehensive vascular assessment for a workplace-based cohort (The Semmelweis Study) (Institute of Preventive Medicine and Public Health, Semmelweis University)

Anna Ungvari (EN): Linking Microvascular Health to Cognitive Decline: Dual-Task Gait and LSCI Findings from the Semmelweis Study (Department of Public Health, Semmelweis University)

Ráhel Kiss (HU): Sleep quality, stress and heart rate variability in middle-aged adults: insights from the Semmelweis Study (Institute of Preventive Medicine and Public Health, Semmelweis University)

Gréta Dobszai (HU): Prevalence of Malignant Diseases in Hungarian

**9:30-10:40: Interdisciplinary EPOS
session IV.**

Benedek Besenczi (EN): The effect of the COVID-19 pandemic on initial nodal status and 2 patient delay among head and neck cancer patients in Hungary (Department of Otorhinolaryngology, Head and Neck Surgery, Semmelweis University)

László Horváth-Székely (EN): Comparative Safety and Fusion Outcomes of OLIF and TLIF in Lumbar Spine Surgery (National Center for Spinal Disorders, Buda Health Center)

Krisztina Kiss (HU): The prognostic role of Bowman's membrane rupture in keratoconus (Department of Ophthalmology, University of Pécs)

Ambrus Szemere Dr. (EN): Protocolized sedation may reduce ventilation and sedation requirements in the pediatric intensive care unit: a systematic review and meta-analysis (Centre for Translational Medicine, Semmelweis University)

Konrád Szilágyi (EN): The effect of saline pre-treatment at various temperatures on bone cement leakages during percutaneous

<p>Residential Care Homes (University of Pécs)</p> <p><u>Csenge Papp (HU)</u>: The prevalence of meniscal tears after anterior cruciate ligament reconstruction among athletes (University of Pécs)</p> <p><u>Lili Gerzsenyi (EN)</u>: The blind leading the blind (Department of Public Health Medicine, University of Pécs)</p>	<p>vertebroplasty: A prospective study (Department of Neurosurgery, Budapesti Dr. Manninger Jenő Baleseti Központ)</p> <p><u>Judit Giba Dr. (EN)</u>: Gastrointestinal bleeding as a rare presentation of locally advanced renal cell carcinoma (Department of Urology, Jahn Ferenc South-Pest Hospital, Budapest)</p>
<p>10:40-11:50: Interdisciplinary EPOS session V.</p> <p><u>Christopher Váraljai (EN)</u>: The Relationship Between Vitamin B12 Levels and Resting-State Functional MRI Brain Connectivity (Department of Neurosurgery and Neurointervention, Semmelweis University)</p> <p><u>Anna Júlia Fejér (EN)</u>: Gene Expression Signatures Predicting Resistance to Immunotherapy in Melanoma (Department of Dermatology, Venerology and Dermatooncology, Semmelweis Egyetem)</p> <p><u>Csenge Lili Jurenka (EN)</u>: Assessing the Value of Routine Preprocedural CT Angiography in Cryoballoon Pulmonary Vein Isolation (Semmelweis University)</p> <p><u>Valér Németh (EN)</u>: Comparison of Pulmonary Vein Reconnection Patterns After Point-by-Point Versus</p>	<p>10:40-11:50: Interdisciplinary EPOS session VI.</p> <p><u>Bálint Czakó (HU)</u>: Efficacy and Safety of Single Operator Cholangioscopy-Guided Intraductal Lithotripsy in Difficult Biliary Stones (Center of Gastroenterology, Department of Medicine, University of Szeged)</p> <p><u>Dorottya Gáspár (EN)</u>: Care of Chronic Kidney Disease: Assessing General Practitioners' Knowledge and Attitudes to Support the Development of Specialist Teleconsultation Services (Department of Family Medicine and Occupational Health, University of Debrecen)</p> <p><u>Gábor Mohácsi (HU)</u>: Home Parenteral Nutrition in Malignant Intestinal Failure – A Novel Indication in Palliative Care? (Center of Gastroenterology, Department of Medicine, University of Szeged)</p>

Single-Shot Ablation in Atrial Fibrillation (University of Pécs)

Adél Novák (HU): Restoration, but not maintenance of sinus rhythm by amiodarone predicts the success of pulmonary vein isolation in persistent atrial fibrillation (Centre of Cardiology, Department of Medicine, University of Szeged)

Barbara Ambrus (EN): The reduced expression of brain-derived neurotrophic factor in psoriatic non-lesional keratinocytes contributes to suppression of keratinocyte proliferation (Department of Dermatology and Allergology, University of Szeged)

Veronika Sara Upor Dr. (EN): Association Between Pediatric Intensive Care Unit Practices, Sleep Disruption, and Psychological Outcomes in Children (Department of Pediatrics, Semmelweis University)

Hanna Zsolnai (EN): Validation of a volumetric absorptive microsampling (VAMS) technique in infants with perinatal asphyxia and therapeutic hypothermia (Department of Neonatology, Paediatric Centre, Semmelweis University)

Flóra Fehérvári (HU): Possible obstacles to efficient continuous glucose monitoring in type 1 diabetic patients (Semmelweis University, Department of Internal Medicine and Hematology)

Bence Majláty (HU): Factors determining glycemic control in type 2 diabetes (Department of Family Medicine, Semmelweis University)

Victoria Leiti (EN): Craniopharyngiomas: Endocrine management and presentation (Faculty of Medicine, Semmelweis University)

Panna Pytel (EN): Adaptation and Validation of the Scleroderma Skin Patient-Reported Outcome Questionnaire into Hungarian (University of Pécs, Clinical Centre, Department of Rheumatology and Immunology)

STUDENT REPRESENTATIVE APPLICATION



If you would like to become a student representative of the dynamic team of the HMAA Hungary Chapter, now is your chance!

Applications are accepted on a rolling basis. Please send your CV with a photo and a motivation letter in both English and Hungarian to hungary@hmaa.org!

**BECOME A STUDENT REPRESENTATIVE OF THE HMAA HUNGARY CHAPTER!
BECOME PART OF THE TEAM!**



DON'T FORGET TO VISIT OUR NEW WEBSITE!

<https://www.hmaa-hc.hu/>

- ❖ News
- ❖ NEW! online membership payment
- ❖ Congress information
- ❖ Applications, HMAA exchange program

15

SUPPORTERS OF THE CONGRESS



Semmelweis Egyetem Tudományos Diákkör

Debreceni Egyetem Orvos- és Egészségtudományi Tudományos Diákköri Tanács

Szegedi Tudományegyetem Tudományos Diákköri Tanács

Pécsi Tudományegyetem Tudományos Diákkör

ORGANIZER OF THE CONGRESS / SZERVEZŐ

HMAA Hungary Chapter

Editor of the program booklet / Kiadványt szerkesztette:

Ambrus Barbara, Dr. Horváth Gábor, Dr. Környei Bálint, Dr. Lippai Bálint

Elérhetőség / Contact:

Amerikai Magyar Orvosszövetség Magyarországi Tagozat Egyesület

Postacím / Post address: 7627 Pécs, Táttra utca 1.

Honlap/websites: <https://hmaa-hc.hu>, www.hmaa.org

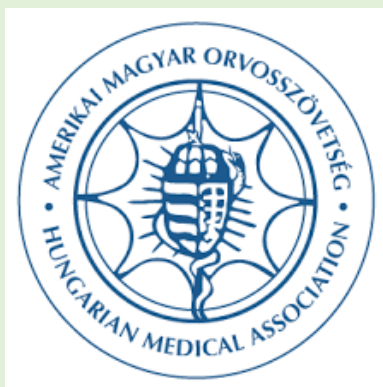
E-mail: hungary@hmaa.org

Skype: hmaa_hungary

Facebook: hmaaorg

Twitter: @hmaaorg

Instagram: hmaa_hungary_chapter



2025