

THE HUNGARIAN MEDICAL ASSOCIATION OF AMERICA



HMAA FOR MEDICINE, SCIENCE AND CULTURE: FIFTY YEARS OF PROGRESS

50th ANNIVERSARY ANNUAL SCIENTIFIC MEETING

**October 28 – November 2, 2018
Sandcastle Resort at Lido Beach,
Sarasota, Florida**

**CME provided by the Department of Continuing Medical Education,
Jacobs School of Medicine,
State University of New York at Buffalo, Buffalo, New York**

THE HUNGARIAN MEDICAL ASSOCIATION OF AMERICA

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WELCOME...

Dear Colleagues and Guests,

It is my pleasure to welcome you to the 50th Anniversary Annual Scientific Meeting of the Hungarian Medical Association of America.

Our society was founded by half a dozen Hungarian physicians living in the United States and Canada. Their goal was to build bridges to the motherland and to improve healthcare in both North America and Hungary. They started this conference to learn, exchange ideas, and enjoy each other's company. They also established a student exchange program, which is now known as the Ivan M. Krisztinicz MD Memorial Student Exchange Program. This program has provided opportunities for medical students in Hungary to broaden their horizons and to improve their patient care skills by participating in clinical rotations in Buffalo, New York. They also started the conference we enjoy today.

I believe our founding fathers would be proud of the current state of our society. Thanks to Drs. Irene Krisztinicz, Laszlo Mechtler, Zsolt Garami, and Alexander Matolcsy, the Ivan M. Krisztinicz MD Memorial Student Exchange Program is flourishing and has expanded to other sites.

As far as the Annual Meeting is concerned, Program Chair Dr. Istvan Stadler has received a record number of abstract submissions, and with the help of Drs. Alexander Matolcsy and Ivan Harangozo we have been able to secure the participation of prominent guests, including HE Janos Ader, President of Hungary and Dr. Laszlo Szabo, Ambassador of Hungary to the United States, who will speak at the Opening Ceremony. Distinguished Speaker of the scientific program will be Nobel Laureate Dr. Craig Mello. Guests of the Gala Dinner will be addressed by representatives of the Government of Hungary and leaders of the Hungarian Medical Schools and will be entertained by world renowned vascular surgeon-magician Dr. Peter Gloviczki. We will have a great meeting. Please enjoy!



Andras Khoor, MD, PhD
President of HMAA





LOCATION

The Sandcastle Resort at Lido Beach

1540 Ben Franklin Drive, Lido Beach, Sarasota, FL 34236

Tel: 941-388-2181 Fax: 941-388-2655

Categories of rooms are:	Gulf-view	\$160/day
	Pool-side, Court-side	\$140/day
	North-Side	\$120/day
		+ tax

Please identify yourself as an attendee of our meeting to get the special conference rate.

Please note that participants need to register for the Meeting to receive the discounted conference rate.

CME ACCREDITATION

ACCREDITATION

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the State University of New York at Buffalo Jacobs School of Medicine and Biomedical Sciences and the Hungarian Medical Association of America.

The State University of New York at Buffalo Jacobs School of Medicine and Biomedical Sciences is accredited by the ACCME to provide continuing medical education for physicians.

CERTIFICATION

The State University of New York at Buffalo Jacobs School of Medicine and Biomedical Sciences designates this live activity for a maximum of **31.0 AMA PRA Category 1 Credit(s)™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

HMAA 2018 Educational Objectives:

By the end of this activity participants will be able to gain information about the following subjects:

1. The latest developments in and benefits of clinical modalities in cardiology and vascular surgery.
2. Latest developments and clinical applications in ophthalmology.
3. New developments in basic biomedical sciences and translational research and their clinical relevance (including Young Investigators' session).
4. Recent developments of onco-pathology, including new diagnostic approaches to various cancers and their applications in clinical practice.
5. Recent technical advances in medicine and their potential applications in patient care.
6. Update in the latest developments and new procedures in surgery and clinical applications of novel procedures.
7. Developments and challenges facing current Health Care Systems in North America and Europe.
8. New aspects of hospital medical practice, new options in general health care service and the utilization of the new application in public health care.
9. New techniques in medical imaging and their clinical applications.

DISCLOSURE

In accordance with HMAA policy and the Accreditation Council for Continuing Medical Education requirements on disclosure, presenters must inform the audience about any relevant relationship with companies whose products or services they may discuss.

GUIDELINES FOR CME PRESENTERS

Disclose relationships with companies

1. Make sure the audience knows about your relationship with companies whose products or services you may discuss (even generally). Such relationships include: membership on a speaker's bureau, advisory board, consultant, research support, funding for clinical trials, travel grants.
2. If you have NO relationship with companies whose products you discuss the audience needs to know that.

Identify off-label and investigational uses of products

Present valid clinical content

1. Incorporate levels of evidence into CME presentations especially those dealing with patient care recommendations.
2. Make sure that your recommendations involving patient care are based on evidence that is accepted within the profession of medicine as having adequate justification for their indications and contraindications in the care of patients.

Avoid

1. Methods that are known to have risks or dangers that outweigh the benefits.
2. Methods that are known to be ineffective.

Challenge other presenters and participants who fail to provide valid evidence for their opinions or recommendations by questioning the validity of their data or, better, offering valid data

BUSINESS MEETINGS

BOARD OF TRUSTEES' MEETINGS

1. **Monday**, October 29, 2018, 6:00pm
Conference Room
2. **Friday**, November 2, 2018, 2:00pm
Coffee Shop

MEMBERSHIP MEETING

Wednesday, October 31, 2018, 2:00pm.
Conference Room
All members are expected to attend!

SOCIAL FUNCTIONS

Sunday, October 28, 2018

6:00pm-8:00pm

OPENING RECEPTION

Remembering the Hungarian Revolution of 1956

Harbourside at the Longboat Key Club

Reception in the Restaurant and at Poolside in the Sandcastle Resort

**Guests of Honor: His Excellency János Áder, President of Hungary
and his wife, Mrs. Anita Herczegh**

Wednesday, October 31, 2018

Traditional Water Polo Game

4:00pm-5:30pm

Honorary Referee: Dr. Dénes Kemény

Three times Olympic Gold Winner Head Coach and President of the Hungarian
National Men Water Polo Team (1997-2012)

Round Table Discussion with Dr. Dénes Kemény

8:00pm

Conference Room, moderated by HE Dr. László Szabó

Thursday, November 1, 2018

6:00pm-11:00pm

GALA DINNER WITH COCKTAIL HOUR

at the SARASOTA YACHT CLUB

Award Presentations

Keynote Speaker: Istvan Somkuti, MD, PhD, Past-President of HMAA

**Guest of Honor: Ildiko Horvath, MD, PhD, Secretary of State for Healthcare,
Ministry of Human Resources, Hungary**

**Guest of Honor: Orsolya Pacsay-Tomassich, PhD, Secretary of State for
International Affairs, Ministry of Human Resources, Hungary**

Magic show by Dr. Peter Gloviczki

Friday, November 2, 2018

6:30pm-12:00am

HALLOWEEN KOCSMA PARTY

Candlelight Restaurant at the Sandcastle Resort at Lido Beach

Costumes are highly encouraged

Live music by Talfi

REGISTRATION

Registration Fees

Preregistration must be made by October 21 on-line on the hmaa.org website.

	Pre-Registration	On-site
Regular Member*	\$625	\$750
Non-Member	\$900	\$1050
Retired Member*	\$435	\$485
Members from Hungary*	\$435	\$500
Retired Members from Hungary*	\$300	\$350
Residents, fellows and Health Related Professionals	\$250	\$300
Students (valid ID is needed)	Free	\$50

***Member registration fees apply to those members who had paid their annual membership dues for 2018.** The registration fee includes the Opening Reception; other social functions are payable separately.

Social Events

Opening Reception for Guests	\$50
Gala Dinner	\$125
Halloween Kocsma Party	\$75

All participants of the meeting should register.

Make checks payable to HMAA. Payments by credit card are accepted on-line on the <https://hmaa.org> website and on-site at the registration desk.

On-site Registration will be open on Sunday, October 28, from 12:00pm to 4:00pm and Monday through Friday from 7:30am to 9:30am in the registration room adjacent to the Hotel Lobby.

Cancellation Policy:

Cancellations must be received in writing. For cancellations received on or before August 20, 2018, a \$50 administrative/processing charge will be applied. Between August 21 and October 1, cancellations will be charged 25% of the total amount paid. There will be no refunds for cancellations after October 1.

PLEASE NOTE: Continental Breakfast will be served every morning before the scientific session in the conference room. Coffee, tea, and refreshments will be served during the coffee break.

ORGANIZATION OF THE 50th ANNIVERSARY ANNUAL SCIENTIFIC MEETING

MEMBERS OF THE 2018 SCIENTIFIC PROGRAM COMMITTEE:

Andras Khoor , MD, PhD	Pathology, Oncology
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Geza Acs , MD, PhD	Pathology, Oncology
<i>Secretary</i>	
György Baffy , MD, PhD	Hepatology, GI, Internal Medicine
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Zsolt Garami , MD	Medical Imaging, Cardiology, Sonography
Szilard Kiss , MD	Ophthalmology
Istvan Somkuti , MD, PhD	Gynecology-Obstetrics
Istvan Stadler , PhD	Scientific Program Chair

ABSTRACT ISSUE OF THE ARCHIVES OF THE HMAA:

Istvan **Somkuti**, MD, PhD, Editor-in-Chief

SOCIAL PROGRAM:

Andrea **Varga**, MD

REGISTRATION AND SOCIAL FUNCTIONS:

HMAA Social Program Committee

Andrea **Varga**, MD

Agnes **Stadler**

Gabor **Horvath**, MD, PhD

HUNGARIAN MEDICAL ASSOCIATION of AMERICA

STUDENT AWARDS

In 2010 the Hungarian Medical Association of America established travel awards for young investigators from outside the USA to participate and present at our yearly scientific meeting.

THE IVAN KRISZTINICZ MD MEMORIAL AWARD

(Sponsored by the HMAA)

2010	Karoly Nemeth
2011	Marton Pipic
2012	Adam Jermendy
2013	Kornel Danos
2014	Agnes Hunyady
2015	Andras Sziraki
2016	Balazs Szabo
2017	David Keller
2018	Zsafia Nozomi Karadi

THE HMAA SCIENTIFIC STUDENT TRAVEL AWARD (DEBRECEN)

(Sponsored by Geza Acs, MD, PhD and Peter Acs, MD, PhD)

2010	Edit Nagy
2011	Rita Oravecz
2012	Alexandra Kiss
2013	Attila Liptak
2014	Vivien Stercel
2015	Istvan Bojti
2016	Laszlo Szivos
2017	Dora Bencze
2018	Zsuzsanna Kolostyak

THE STUDENT SCIENTIFIC AWARD OF THE HMAA (MAROSVÁSÁRHELY)

(Sponsored by Gyorgy Baffy, MD, PhD, Past President of HMAA)

2013	Ildiko A. Benedek
2014	Nimrod Tubak
2015	Marta Gencsi

2016 Istvan Madar
Zsigmond Kalman
2017 Timea B. Forro
Emoke Fodor
2018 Mihai Iuliu Harsa

THE ZOLTAN GOMBOS TRAVEL FUND AWARD (POZSONY)

(Sponsored by Zoltan Gombos, MD)

2015 Balazs Galffy
2018 Tomas Brngal

SCIENTIFIC PROGRAM OF THE 50TH ANNUAL SCIENTIFIC MEETING

MONDAY, October 29, 2018

7:30am-9:30am Registration

REMEMBERING DRS. IGNAC SEMMELWEIS AND HANS SELYE

Moderator: Andras Khor, MD, PhD

- 8:00am **Ignac Semmelweis – A Moral Icon and a Pioneer of Evidence Based Medicine**
Jozsef Sandor, MD, PhD, FACS (1)
- 8:15am **From Distress to Eustress: 80 Years of Stress Research and other Major Discoveries of Hans Selye**
Sandor Szabo, MD, PhD, DSc. (2)
- 8:30am **Questions & Answers**
- 8:40am **Coffee Break**
- 9:00am **Opening Remarks**
Andras Khor, MD, PhD, President of HMAA
- 9:05am **Opening Remarks**
HE János Áder, President of Hungary

LATEST DEVELOPMENTS IN PULMONARY DISEASES AND PULMONARY PATHOLOGY

Moderator: Andras Khor, MD, PhD

- 9:30am **Screening and Heterogeneity of Alpha-1 Antitrypsin Deficiency among Patients with COPD**
Ildiko Horvath, MD, PhD, DSc, Molnar, J.M., Gal, A., Kiss, H., Tafferner, K. and Valyon, M. (3)
- 9:45am **New Hopes in the Treatment of Small Cell Lung Cancer**
Gyula Ostoros, MD, PhD (4)
- 10:00am **New Developments in the Diagnosis and Treatment of Lymphangioleiomyomatosis**
Andras Khor, MD, PhD (5)
- 10:15am **Molecular Mechanisms of Lymphoma Transformation and**

Progression

Andras Matolcsy, MD, PhD, DSc (6)

10:30am **How Adaptation to Hypoxia Influences Treatment Response in Cancer: Lessons Learned from Aggressive Lymphomas**

Gabor Mehes, MD, PhD, DSc (7)

10:45am **Launching the Hungarian Lung Transplantation Program and the Current Results**

Ferenc Renyi-Vamos, MD, PhD (8)

11:00am **Structure and Specific Aims of the National Oncogenomic and Personalized Medicine Program in Hungary**

Istvan Valyi-Nagy, MD, PhD, Peto, M., Liskay, G. and Kasler, M. (9)

11:15am **Questions & Answers**

11:25am **Role of Water Structuring in Gene Regulation**

Miklos Kellermayer, MD, DSc (10)

11:40am **Nanomechanics of Nucleic-Acid and Nucleoprotein Systems**

Miklos S.Z. Kellermayer, MD, PhD, DSc (11)

11:55am **The Developmental Origins of Inflammatory Bowel Diseases and Colon Cancer**

Richard Kellermayer, MD, PhD (12)

12:10pm **Questions & Answers**

12:15pm **Coffee Break**

YOUNG INVESTIGATORS' MULTIDISCIPLINARY SESSION: STUDENT AWARD RECIPIENTS

Moderators: Gyorgy Baffy, MD, PhD and Istvan Somkuti, MD, PhD

12:20pm **Early- and Long-Term Patency after Endovascular Treatment of Patients with Infrarenal Aortic Stenosis**

Akos Berczi, MS, Vertes, M., Berczi, V., Nemes, B., Huttli, K. and Dosa, E. (13)

12:30pm **Regulatory Role of Peripheral Peptidergic Sensory Nerves in the Proteoglycan-Induced Chronic Autoimmune Arthritis Model**

Matyas Belak, MS Helyes, Z., Horvath, A., Botz, B., Borbely, E., Bolcskei, K., Szente, N., Rauch, T., Glant, T. and Boldizsar, F. (14)

12:40pm **Associations Between the Epicardial Fat Volume and the Vulnerability Grade of Culprit Coronary Plaques in Patients with Unstable Angina**

Benedek, T., Mester, A. and Mihai Iuliu Harsa, MS (15)

Winner of the Student Scientific Award of the HMAA (Marosvasarhely)

12:50pm **Molecular and Functional Analysis of All-Trans Retinoic Acid-Induced Changes in Human Glioblastoma**

- Zsuzsanna Kolostyak, MS, Simandi, Z., Horvath, A., Nagy, G., Klekner, A., Bogнар, L., Poliska, S., Czimmerer, Z., Balint, B.L. and Nagy, L. (16)
Winner of the HMAA Scientific Student Travel Award (Debrecen)
 1:00pm **Data Assessment of Acute Desobliteration Therapy and Clinical Prognosis in Acute Stroke – Regional Registry at Our Stroke Clinic**
Zsolia Nozomi Karadi, MD, Csecsei, P., Lovadi, E., Jozifek, E., Kapus, V. and Szapary, L. (17)
Winner of the Ivan Krisztinicz MD Memorial Award
 1:10pm **Virtual Reality in Medical Education**
Tomas Brngal, MD and Kubikova, E. (18)
Winner of the Zoltan Gombos Travel Fund Award (Bratislava)
 1:20pm **Functional and Morphological Cardiac Adaptation in Young Competitive Athletes**
Vencel Juhasz, MS, Szabo, L., Csecs, I., Czimbalmos, C., Dohy, Z., Vago, H., Kiss, O., Sydo, N. and Merkely, B. (19)
 1:30pm **Cerebral Microbleeds May Temporarily Disappear in Subacute Susceptibility Weighted Imaging in Rats**
Balint Soma Kornyei, MS, Toth, A., Balogh, B., Berente, Z., Bogner, P. and Schwarcz, A. (20)
 1:40pm **Is It True that the Risk of Acute Pancreatitis is Increased in Inflammatory Bowel Disease?**
Bence Stubnya, MS, Tel, B. and Veres, G. (21)
 1:50pm **The Antiarrhythmic Efficacy of Vernakalant in Postoperative Atrial Fibrillation: An Attempt to Make a Meta-Analysis Based on International Studies**
Dorottya Kata Szabo, MS and Czopf, L. (22)
 2:00pm **Intracavernous Aneurysms of the Internal Carotid Artery - Treat It or Not?**
Timea Tarjan, MS and Szikora, I. (23)
 2:10pm **Spreading Depolarization Associated Potassium Wave Initiates Vasoconstriction in the Mouse Cerebral Cortex**
Reka Toth, MS, Menyhart, A., Farkas, A.E., Varga, D.P., Frank, R., Balint, A.R., Makra, P., Bari, F., Krizbai, I.A. and Farkas, E. (24)
 2:20pm **Questions & Answers**

NON-CME PROGRAM

- 2:35pm **My Spaceflight and Medical Problems in Space**
Bertalan Farkas

3:00pm **Semmelweis Memorial Presentation 2018**
Agnes Perenyi, MD (25)

TUESDAY, October 30, 2018

7:30am-9:30am Registration

FULBRIGHT AND HMAA – MODELS OF SCIENTIFIC EXCHANGE

Moderator: Gyorgy Baffy, MD, PhD

8:00am **Introduction**

Gyorgy Baffy, MD, PhD

8:05am **Impact of the Fulbright Program on Cooperation in the Medical and Allied Sciences Between Hungary and the United States**

Karoly Jokay, PhD (26)

8:20am **Fulbright and Career**

Katalin Nagy, DDS, PhD (27)

8:35am **Introducing New Curricula/University of Szeged, College of Dentistry and Department of Psychology**

Michele Shedlin, PhD (28)

8:50am **Detection of Preclinical Diabetic Retinopathy by Using Optical Coherence Tomography Angiography**

Illes Kovacs, MD, PhD, Czako, C. and Nagy, Z.Z. (29)

9:05am **Rule Out Transcatheter Aortic Valve Thrombosis with Post Implantation Computed Tomography (RETORIC Study) – Initial Results**

Julia Karady, MD, Astrid, A., Nagy, A.I., Szilveszter, B., Kolossvary, M., Papp, R., Molnar, L., Jermendy, A.L., Panajotu, A., Suhai, F.I., Varga, A., Molnar, A., Rajani, R., Maurovich-Horvat, P. and Merkely, B. (30)

9:20am **Deiminated Fibrinogen Refines Fibrin Structure and Increases Chemical Resistance of Thrombi**

Imre Varju, MD, PhD, Cherpokova, D., Sorvillo, N., Farkas, V.J., Feller, T., Kiss, B, Szabo, L., Longstaff, C., Kellermayer, M., Kolev, K. and Wagner, D.D. (31)

9:35am **Identification of Novel Targets for the Prevention and Treatment of HPV-Associated Malignancies**

Anita Szalmas, PhD (32)

9:50am **Gut-Liver Axis: Gut Microbiota and Nonalcoholic Fatty Liver Disease**

Gyorgy Baffy, MD, PhD (33)

10:05am **Questions & Answers**

10:15am **Coffee Break**

LATEST NEWS IN MEDICAL EDUCATION AND HEALTH CARE MANAGEMENT

Moderators: Ildiko Halasz, MD and Zoltan Gombos, MD

- 10:20am **Past, Present and Future of Comenius University, Bratislava**
Eliska Kubikova, MD, PhD (34)
- 10:35am **Introduction to HMAUK, Younger Sister of HMAA. Review of Doctors' Migration of Hungarian and Eastern European Origin Since EU Accession**
Vegh, A. and Gyorgy Rakoczy, MD, PhD (35)
- 10:50am **Research Activity of Two Hungarian Pediatric Surgeons in Manchester, UK**
Gyorgy Rakoczy, MD, PhD. and Cserni, T. (36)
- 11:05am **Modes of Medical Support Provided to Beleaguered Medical Institutions and to Despairing Patients in the Sub-Carpathian Ukraine/Transcarpathia**
David Pandy-Szekeres, BSc, MSc and Zsonda, L. (37)
- 11:20am **Questions & Answers**

MULTIDISCIPLINARY SESSION I

Moderators: Ildiko Halasz, MD and Zoltan Gombos, MD

- 11:30am **Oncorheumatology: Various Relationships Between Malignancy and Autoimmune Rheumatic Diseases**
Eva Szekanecz, MD, PhD and Szekanecz, Z. (38)
- 11:45am **Stroke and Autoimmune Diseases: Pathophysiology of Cerebral Vessels**
Zoltan Szekanecz, MD, PhD., Kardos, Z., Olah, C., Sepsi, M., Sas, A., Kostyai, L., Bhattoa, H.P., Hodosi, K., Kerekes, G., Tamasi, L., Valikovics, A and Bereczki, D. (39)
- 12:00pm **Special Neurosurgical Indication of Low Level Laser Therapy**
Csaba Olah, MD (40)
- 12:15pm **VASER Hi Def Lipo, the Art of Body Sculpting**
George Marosan, MD (41)
- 12:30pm **Cluster of Symptomatic Chronic Arsenic Exposed Patients**
Tamas R. Peredy, MD and Simone, K. (42)
- 12:45pm **Aerosol Exposure to Intermediate Size Nipah Virus Particles Induces Neurological Disease in African Green Monkeys**
Hammoud, A.D., Lentz, M.R., Lara, A., Bohannan, J.K., Feurstein, I., Louis Huzella, DVM, Jahrling, P.B., Lackmeyer, M., Laux, J., Rojas, O., Sayre, P., Solomon, J., Cong, Y., Munster, V. and Holbrook, M.R. (43)

- 1:00pm **The Role of Stool Genetic Testing (STG) for Differential Diagnosis of Early Stage IBD and IBS**
Richard Schwab, MD, Toth Gabor, T, Krizsan, D., Nyul, D., Gelley, A., Sike, R. and Demeter, P. (44)
- 1:15pm **Hematuria, Hemoptysis and Hamsters: A Case Study**
Benjamin Ujlaki, MD (45)
- 1:30pm **Questions & Answers**

NON-CME PROGRAM

Hungarian Startup Innovations in Healthcare **Sponsored by the Hungarian Export Promotion Agency**

- 2:00pm **Panel Discussion**
HE Laszlo Szabo, MD, Ambassador of Hungary to the United States
Sebastian Tamas, Founder and CEO, Rocket Shepherd
Zsolt Kovacs, CEO, Startup Campus
- 3:00pm **Startup Presentations**
Andrea Fekete, Founder and CSO, SigmaDrugs
Gergely Csany, Verification & Validation, Dermus
Gabor Toth, CEO, Insimu
Mark Istvan, CEO, Now Technologies

WEDNESDAY, OCTOBER 31, 2018

7:30am-9:30am Registration

MULTIDISCIPLINARY SESSION II: MEDICAL IMAGING AND PRIMARY CARE

Moderators: Kinga Karlinger, MD, PhD and David L. Tarnoki, MD, PhD

- 7:00am **Associations Between Vertebral Artery Dominance, Basilar Artery Curvature and White Matter Hyperintensities**
Laszlo Szalontai, MD, Jokkel, Z., Horvath, T., Forgo, B., Auyang, P., Zubair, M., Berczi, A., Tarnoki, D.L. and Tarnoki, A.D. (46)
- 7:10am **When an Abdominal Ultrasound Could Have Saved the Day: Malignant Pheochromocytoma As a Cause for Chest Pain – Case Report and Review of the Literature**
Gabor Rosta, MD and Breinl, E. (47)
- 7:20am **Comprehensive Ultrasonographic Evaluation of the Background of the Development of Carotid and Femoral Atherosclerotic Plaques in Twins**
Adam Domonkos Tarnoki, MD, PhD, Szabo, H., Gyulai, K., Jokkel, Z., Zsupos, R., Janozitz, G., Hernyes, A., Berczi, V. and Karlinger, K. (48)
- 7:35am **Imaging Epigenetics: The New World of Radiogenomics and the Role of Microbiome in Translational Research**
David Laszlo Tarnoki, MD, PhD and Tarnoki, A.D. (49)
- 7:50am **Uncovering the Secrets of Ancient Human Remnants by Radiologic Investigations**
Kinga Karlinger, MD, PhD (50)
- 8:05am **Are We Doing Too Many CTs in Head Trauma Patients?**
Alexander Benyovszky, MD, Munir, M.K., Simelane, T., Arsenijejevic, Z. and Boyd, M. (51)
- 8:20am **Multimodality Imaging in Inflammatory Bowel Disease**
Zsolt Tarjan, MD, PhD, Tombacz, A. and Tarjan, T. (52)
- 8:35am **Questions & Answers**
- 8:45am **Coffee Break**
- 8:50am **Nutritional Deficiencies: Identification, Treatment and Management in Weight Loss Surgery Patients**
Edward Hatchigian, MD (53)
- 9:05am **The Prevalence and Economic Burden of Obesity in Hungary**
Imre Rurik, MD, MSc, PhD, DSc (54)

- 9:20am **Fragile Link in the Medical Education in Marosvasarhely – Pharmacology**
Attila Brassai, MD, PhD, Ban, E.G. and Pal, S. (55)
- 9:35am **The Rational Antibiotic Use Among Rural Transylvanian Adults**
 Cori, F., Nagy Dho E., Kollo, Z., Sandor, P., Brassai, A., Mathe, E., Garau, M.L. and Erika Gyongyi Ban, MD (56)
- 9:50am **Introducing Whole Health and Integrative Medicine in the VA Healthcare System**
Ildiko Halasz, MD (57)
- 10:05am **Questions & Answers**
- 10:15am **Coffee Break**

MULTIDISCIPLINARY SESSION III: SURGERY, ANESTHESIOLOGY AND INTERNAL MEDICINE

Moderators: Andras Sandor, MD and Michael Justin, MD

- 10:20am **Mechanism of the Protective Effects of Irisin in Diabetes Mellitus**
 Mahgoub, M. O., D'Souza, C. and Ernest Adeghate, MD, PhD, DSc. (58)
- 10:35am **The Predictability of Insulin Resistance and Fat Oxidation Changes from Serial Measurements of Weight and Fat Mass**
Zsolt Peter Ori, MD (59)
- 10:50am **PACAP Deficiency as a Model of Accelerated Aging**
Dora Reglodi, MD, PhD, DSs, Jungling.A., Longuespee, R., Kriegsmann, J., Casadonte, R., Kriegsmann, R., Juhasz, T., Bardosi, S., Fulop, B.D., Kovacs, K., Nagy, Z., Hashimoto, H. and Bardosi, A. (60)
- 11:05am **The Role of Selective Preoperative Splenic Artery Embolization in the Minimally Invasive Surgical Management of Massive Splenomegaly**
Andras Sandor, MD, Denbow, N. and Wivell, W. (61)
- 11:20am **Treatment of Bile Duct Gallstones by Extracorporeal Lithotripsy: Clinical Case and Literature Review**
Zsofia Horvath, MD, Regusci, L., Salmoiraghi, F. and Fasolini, F. (62)
- 11:35am **3D Technologies in the Support of Surgical Planning**
Peter Varga, MD, Maroti, P., Nyitrai, M. and Gasz, B. (63)
- 11:50am **Plasma Somatostatin Increases During Scoliosis, But Not Discus Hernia Operations**
Balazs Suto, MD, PhD, Kolumban, B., Szabo, E., Pasztor, S., Markus, I., Tunyogi, M., Nagy, K., Komaromi, G., Nemeth, T., Bagoly, T., Nemeth, M., Botz, B., Berenyi, K., and Helyes, Z. (64)
- 12:05pm **Questions & Answers**

- 12:15pm **Gene Therapy for the Treatment of Retinal Disorders: From Bench to Bedside**
Szilard Kiss, MD (65)
- 12:30pm **Pituitary Adenylate Cyclase Activating Polypeptide (PACAP) as a Potential Biomarker in Heart Failure Patients**
Andrea Tamas, MD, PhD, Szabo, D., Gaszner, B., Konyi, A., Reglodi, D., Nemeth, J., Polgar, B., Szanto, Z., Jungling, A. and Sarszegi, Z. (66)
- 12:45pm **Cirrhosis as a Possible Risk Factor for Developing Diastolic Dysfunction**
Tamas Seres, MD, PhD and Mandell, S. (67)
- 1:00pm **Covered Endovascular Reconstruction of Aortic Bifurcation (CERAB): An Alternative to Traditional Revascularization in Aorto-Iliac Occlusive Disease**
Gabor A. Winkler, MD, Piccolo, C. and Rzucidlo, E. (68)
- 1:15pm **Elevated Pentraxin-3 is Associated with Complement Consumption in the Acute Phase of Thrombotic Microangiopathies**
Eszter Trojnar, MD, Jozsi, M., Szabo, Z., Garam, N., Mikes, B., Sinkovits, G., Mezo, B., Csuka, D. and Prohaszkai, Z. (69)
- 1:30pm **The Intersection of Quality and Value: Is Cost the Independent Variable?**
John Alexander, MD, MHCM (70)
- 1:45pm **Questions & Answers**
- 2:00pm **ANNUAL MEMBERSHIP MEETING**
All members are expected to attend

THURSDAY, November 1, 2018

7:30am– 9:30am Registration

WILLIAM GANZ MD MEMORIAL SESSION I

Moderators: Peter Ganz MD and Tomas Ganz, MD, PhD

- 7:30am **Transcranial Doppler Monitoring for Carotid Artery Interventions: TCAR is a New Kid on the Block**
Zsolt Garami, MD (71)
- 7:45am **Trends in Acute Stroke Management: Our Experience**
Lawrence A. Zumo, MD (72)
- 8:00am **Advances in the Treatment of Varicose Veins in the last 50 Years**
Steven T. Deak, MD, PhD (73)
- 8:15am **Carotid Stenosis Treatment: International Variations**
Gabor Menyhei, MD, PhD (74)
- 8:30am **Management of Congestive Heart Failure Focusing on Non-Pharmacological Treatment**
Gabor Veress, MD, PhD and G. Veress (75)
- 8:45am **Innovations and the Hippocratic Oath**
Peter Gloviczki, MD (76)
- 9:00am **Pathogenesis of Anemia of Inflammation, AKA Anemia of Chronic Disease**
Tomas Ganz, MD, PhD (77)
- 9:15am **Central Planning or Free Competition: Which One Do Stroke Patients Benefit More?**
Laszlo Miskolczi, MD (78)
- 9:30am **Use of Proteomics to Improve the Assessment of Drug Safety**
Peter Ganz, MD (79)
- 9:45am **Questions & Answers**
- 9:55am **Coffee Break**

- 10:00am **NOBEL LAUREATE DISTINGUISHED LECTURE**
RNA-Guided Gene Regulation: New Therapeutics and Insights into Immortality from a Worm
Craig Mello, PhD (80)

- 11:05am **Hidden Cardiotoxicity: Paradigm Change in Cardiac Safety Testing in Ischemic and Comorbid Conditions**
Peter Ferdinandy, MD, PhD, DSc, MBA (81)
- 11:20am **Autoimmune Cytopenias in Primary Immunodeficiencies with Recombination Activating Gene Defects**
Jolan Walter, MD, PhD (82)
- 11:35am **Ion Channels in Human Chorionic Mesenchymal Stem Cells: Physiological Roles and Pharmacological Profiling**
Gyorgy Panyi, MD, PhD, DSc and Arnodi-Meszaros, B. (83)
- 11:50am **Questions & Answers**

WILLIAM GANZ MD MEMORIAL SESSION II: SPORT, PERFORMANCE AND THE HEART

Moderators: Thomas G. Allison, PhD, MPH, FACC and Akos Koller, MD, PhD

- 12:00pm **The Science and Art of Assessing Cardiac Risk and Performance Impairment in Athletes**
Thomas G. Allison, PhD, MPH, FACC (84)
- 12:15pm **Hemodynamic Vasomotor Mechanisms Elicit Adaptations of Coronary Circulation to Sport**
Akos Koller, MD, PhD (85)
- 12:30pm **Sports Cardiology Screening in Elite Athletes**
Bela Merkely, MD, PhD, Sydo, N., Csecs, I., Erdi, J., Major, D., Csulak, E., Czibalmos, C., Lakatos, B., Kovacs, A., Kiss, O., Kovats, T. and Vago, H. (86)
- 12:45pm **Painful Shoulder in the Competitive Swimmer**
Gyorgy Kovacs, MD and Merkely, G. (87)
- 1:00pm **Sport and Women**
Petra Nora Merkely, MD, Sydo, N., Sobel, G., Varbiro, S. and Merkely, B. (88)
- 1:15pm **Performance Assessment of Athletes in the Lab and on the Field**
Nora Sydo, MD, Erdi, J., Major, D., Csulak, E., Csecs, I., Czibalmos, C., Lakatos, B., Kovacs, A., Vago, H., Kiss, O., Sydo, T., Allison, T.G. and Merkely, B. (89)
- 1:30pm **The Impact of Left Ventricular Lead Position on Long-Term Clinical Outcome: A High Volume, Single Center Experience**
Annamaria Kosztin, MD, PhD, Schwertner, W., Urban, Z., Kovacs, A., Zima, E., Geller, L., Kutyifa, V. and Merkely, B. (90)
- 1:45pm **Approach to Cartilage Defect: Diagnostic Algorithm and Treatment Options**
Gergo Merkely, MD, Ackerman, J. and Lattermann, C. (91)

- 2:00pm **Causes Behing the Inefficient Hypertension Treatment in Rural Transylvania**
Zoltan Kollo, MS, Dho-Nagy, E., Ban, E.G., Brassai, A. and Mathe, L. (92)
- 2:10pm **Questions & Answers**

6:00pm **Gala Dinner with Cocktail Hour at the Sarasota Yacht Club**

Keynote Speaker: Istvan Somkuti, MD, PhD

Guest of Honor: Ildiko Horvath, MD, PhD, Secretary of State for Healthcare, Ministry of Human Resources of Hungary

Guest of Honor: Orsolya Pacsay-Tomassich, PhD, Secretary of State for International Affairs, Ministry of Human Resources of Hungary

Award Presentations

Magic Show by Peter Gloviczki, MD

FRIDAY, NOVEMBER 2, 2018

8:00am-9:00am Registration

LATEST DEVELOPMENTS IN ONCOLOGY AND ONCOLOGIC PATHOLOGY

Moderators: Geza Acs, MD, PhD and Laszlo Nagy, MD, PhD

- 8:00am **Medical Cannabis Treatment in a Cohort of Chronic Migraine Patients**
Laszlo Mechtler, MD, Bargnes, V. and Hart, P. (93)
- 8:15am **The Role of miR-455-3p and miR-224-5p in Gastrointestinal Cancer**
Janos Karczub, MD, Kontsek, E., Gyongyosi, B., Pesti, A., Kramer, Z., Lendvai, G., Schaff, Z. and Kiss, A. (94)
- 8:30am **Mechanisms of Lymphatic Tumor Spread in Breast Cancer: Retraction Clefts, Cell Polarity and Lymphangiogenesis**
Geza Acs, MD, PhD (95)
- 8:45am **Protein Phosphatase Activation as Possible Therapeutic Tool in Diseases and Cancer**
Ferenc Erdodi, PhD, DSc (96)
- 9:00am **Understanding and Harnessing the Healing Power of Macrophages Using Multi-Omics Approaches**
Laszlo Nagy, MD, PhD (97)
- 9:15am **Altered Pattern of Tight Junction Components and MicroRNAs in Primary and Metastatic Liver Tumor**
Andras Kiss, MD, PhD, DSc (98)
- 9:30am **Present Role and Future Perspective of Interventional Oncology**
Bela Kis, MD, PhD (99)
- 9:45am **Precision Oncology Meeting Lung Cancer Management**
Balazs Halmos, MD (100)
- 10:00am **Cell Surface Organization of IL-9 and IL-2 Receptors on Human T Lymphoma Cells**
Laszlo Matyus, MD, PhD, DSc, Nizsaloczki, E., Nagy, P., Csomos, I., Vamosi, G. Bodnar, A. (101)
- 10:15am **Regression Grading of Rectal Cancer**
Otto Dworak, MD, Weigert, E. and Moller, M. (102)
- 10:30am **Digital Breast Tomosynthesis (DBT): An Overview**
Akos Tibold, MS, DABR (103)
- 10:45am **Questions & Answers**
- 10:55am **Coffee Break**

MULTIDISCIPLINARY SESSION IV: GYNECOLOGY, UROLOGY, NEUROLOGY AND PSYCHIATRY

Moderators: Karoly Kismartoni, MD and Gabor Zoltay, MD

- 11:00am **50 Years of Advances in Assisted Reproductive Medicine**
Istvan G. Somkuti, MD, PhD (104)
- 11:15am **Forceps Assisted Vaginal Delivery: A Dying Art**
Stephen Mechtler, MD (105)
- 11:30am **Uterine Artery Embolization for Fibroids and Adenomyosis – Single Center Experience in 570 Patients**
Viktor Berczi, MD, PhD, DMSc, Valcseva, E., Kozics, D., Kalina, I., Kaposi, P., Sziller, P., Varbiro, S., Botos, E., Toth, A. and Acs, N. (106)
- 11:45am **The History of the Circumcision: AKA the Rape of the Phallus**
George Szollar, MD (107)
- 12:00pm **Effects of PACAP in Endometriosis**
Vince Szegeczki, MD, Fekete, I., Reglodi, D., Zakany, R. and Juhasz, T. (108)
- 12:15pm **Acute and Preventive Treatment of Migraine in Children**
Peter Huszar, MD (109)
- 12:30pm **SUDEP Research: Controversies and Challenges**
Charles Akos Szabo, MD (110)
- 12:45pm **Disease of the Century: Dementias**
Gabor Zoltay, MD (111)
- 1:00pm **Expanding the Indications for the Endovascular Management of Acute Ischemic Stroke**
Gabor Toth, MD (112)
- 1:15pm **Differential Diagnostic and Therapeutic Difficulties in an Adolescent Patient with Acute Lymphoblastic Leukemia – Fungal Infection vs Methotrexate-Induced Subacute Encephalopathy**
Gabor Horvath, MD, PhD, Benedek, N., Vojcek, A. and Ottoffy, G. (113)
- 1:30pm **Questions & Answers**
- 1:40pm **Closing Remarks by the President-Elect of HMAA**
Ivan Harangozo, MD

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