

	Eszterhazy hall / Eszterházy terem	Cinema hall / Moziterem	CIBA hall / CIBA terem	Young scientist's lounge	Poster area / Poszter rész	Lunch area of the Hospital / Ebédlő
08:30-08:50	<b>Regisztráció / Registration</b> Registration - between 08:30-16:00					
08:50-10:10	<p><b>SS1 Anatomy-Biochemistry-Biophysics session</b> Prof. Dr. Ferenc Erdődi, Dr. Gábor Horváth, Prof. Dr. Julianna Lisziewicz, Prof. Dr. László Mátyus Oral / szóbeli előadás Anatomy A. Scientific session: Anatomy-Biochemistry-Biophysics session</p> <p>Moderátor: Prof. Dr. Mátyus László, Prof. Dr. Erdődi Ferenc, Prof. Dr. Lisziewicz JuliannaZsúritag: Prof. Dr. Mátyus László, Prof. Dr. Erdődi Ferenc, Prof. Dr. Lisziewicz Julianna, Dr. Horváth Gábor PhD</p> <p><b>08:50-09:00</b> Examining the brain distribution of D3 dopamine receptor using a fluorescent antipsychotic <u>Márton György Vámosi</u><sup>1,2</sup>, Susanne Prokop<sup>2</sup>, István Katona<sup>2,3</sup> <sup>1</sup>Faculty of Medicine, Semmelweis University, Budapest, Hungary. <sup>2</sup>Laboratory of Molecular Neurobiology, Institute of Experimental Medicine, Budapest, Hungary. <sup>3</sup>Department of Psychological and Brain Sciences, Indiana University, Bloomington, USA</p> <p><b>09:00-09:10</b> PACAP variánsok hatásának vizsgálata desmalis osteogenesisben <u>Barbara Hinnah</u><sup>1</sup>, Róza Zákány<sup>1</sup>, Dóra Reglődi<sup>2</sup>, Tamás Juhász<sup>1</sup> <sup>1</sup>DE-ÁOK Anatómiai, Szövet- és Fejlődéstan Intézet, Debrecen, Hungary. <sup>2</sup>PTE-ÁOK Anatómiai Intézet, Pécs, Hungary</p>	<p><b>SS4. Radiology I.</b> Prof. Dr. Kinga Karlinger, Dr. Dorottya Steigerwald Szabó, Dr. Gergely Szabó, Dr. med. habil. Dávid László Tárnoki Oral / szóbeli előadás Radiology Multidisciplinary session: Radiology</p> <p>Moderátor: Prof. Dr. Karlinger KingaZsúritag: Prof. Dr. Karlinger Kinga, Dr. med. habil. Tárnoki Dávid László, Dr. Steigerwald Szabó Dorottya, Dr. Szabó Gergely</p> <p><b>08:50-09:00</b> Investigating the clinical usability of Digital Variance Angiography in reduced dose lower limb X-ray angiography cases <u>Gergely Imre Kovács</u><sup>1</sup>, Marcell Gyánó<sup>2</sup>, Krisztián Szigeti<sup>3</sup>, Szabolcs Osváth<sup>3</sup>, Balázs Nemes<sup>2</sup>, Péter Sótónyi<sup>1</sup> <sup>1</sup>Department of Vascular Surgery, Budapest, Hungary. <sup>2</sup>Department of Interventional Radiology, Budapest, Hungary. <sup>3</sup>Department of Biophysics and Radiation Biology, Budapest, Hungary</p> <p><b>09:00-09:10</b> Initial Operating Room Experience with Digital VarianceAngiography in Carbon Dioxide-Assisted Lower LimbInterventions <u>Ludányi Kristóf</u><sup>1</sup>, Gyánó Marcell<sup>1</sup>, Nemes Balázs<sup>1</sup>, Szigeti Krisztián<sup>2</sup>, Osváth Szabolcs<sup>2</sup>, Csobay-Novák Csaba<sup>1</sup> <sup>1</sup>Semmelweis Egyetem Intervenciósi Radiológia Tanszék, Budapest, Hungary. <sup>2</sup>Semmelweis Egyetem Biofizika és Sugárbiológia Intézet, Budapest, Hungary</p>	<p><b>WS Pandémia és nemzetközi kiutazások</b> Dr. Marcel Pop Oral / szóbeli előadás ROUNDTABLE DISCUSSIONS Pop Marcel: Pandémia és nemzetközi kiutazások</p> <p><b>Nemzetközi mobilitási lehetőségek a pandémia alatt – Hogyan befolyásolta a nemzetközi mobilitási programokat a SARS-CoV-2-járvány</b> <u>Marcel Pop</u> Semmelweis University, Budapest, Hungary</p>			

09:10-09:20

The role of Urocortin 1 neurons of the centrally projecting Edinger-Westphal nucleus in the development of non-motor symptoms of Parkinson's disease in the rat

Bence Pytel

UPMS - Department of Anatomy, Pécs, Hungary

09:20-09:30

Investigation of PACAP and PAC1 receptor expression in different histological samples of the pancreas

Viktória Vicena<sup>1</sup>, Dóra Reglődi<sup>1</sup>, Dénes Tóth<sup>2</sup>, Sándor Ferencz<sup>3</sup>

<sup>1</sup>Department of Anatomy, UPMS, Pécs, Hungary. <sup>2</sup>Department of Forensic Medicine, UPMS, Pécs, Hungary. <sup>3</sup>Department of Surgery, UPMS, Pécs, Hungary

09:30-09:40

Chemogenetic evidence of a novel thalamic pathway conveying social input to higher brain centers

Tamás Láng

Semmelweis University, Department of Anatomy, Histology and Embryology, Budapest, Hungary

09:40-09:50

Microglia-neuron interactions in developing brain

Anna Kellermayer<sup>1</sup>, Csaba Cserép<sup>1</sup>, Anett D. Schwarcz<sup>1</sup>, Balázs Pósfai<sup>1</sup>, Zsófia I. László<sup>1,2</sup>, Zsolt Lele<sup>1</sup>, István Katona<sup>1</sup>, Miklós Nyerges<sup>1</sup>, Ádám Dénes<sup>1</sup>

<sup>1</sup>Kísérleti Orvostudományi Kutatóintézet, Budapest, Hungary.

<sup>2</sup>University of Dundee, School of Medicine, Dundee, United Kingdom

09:50-10:00

The role of nuclear NAD synthesis in actinomycin D induced cytotoxicity of osteosarcoma cells

09:10-09:20

Quantitative ultrasound-based approaches for the diagnosis of hepatic steatosis

Barbara Csongrády<sup>1</sup>, Aladár Rónaszéki<sup>1</sup>, Balázs Varga-Láng<sup>1</sup>, Bettina Budai<sup>1</sup>, Krisztina Hagymási<sup>2</sup>, Tamás Fodor<sup>3</sup>, Anikó Folhoffer<sup>3</sup>, Gabriella Győri<sup>1</sup>, Pál Kaposi<sup>1</sup>

<sup>1</sup>Department of Radiology, Medical Imaging Centre, Faculty of Medicine, Semmelweis University, Budapest, Hungary. <sup>2</sup>1st

Department of Surgery and Interventional Gastroenterology, Faculty of Medicine, Semmelweis University, Budapest, Hungary. <sup>3</sup>Department of Internal Medicine and Oncology, Faculty of Medicine, Semmelweis University, Budapest, Hungary

<sup>3</sup>Department of Internal Medicine and Oncology, Faculty of Medicine, Semmelweis University, Budapest, Hungary

09:20-09:30

A Twin Study Examining the Contribution of Genetic and Environmental Factors on Circle of Willis Morphology

David Strelnikov<sup>1</sup>, Amirreza Alijanpourtaghsara<sup>1</sup>, Laszlo Szalontai<sup>1</sup>, Zsafia Jokkel<sup>1</sup>, Marton Pirooska<sup>1</sup>, Bianka Forgo<sup>1,2</sup>, Csaba Olah<sup>3,4</sup>, Laszlo Kostyal<sup>4</sup>, David L Tarnoki<sup>1</sup>, Adam D Tarnoki<sup>1</sup>

<sup>1</sup>Medical Imaging Centre, Semmelweis University, 78/A Üllői Street, 1082, Budapest, Hungary.

<sup>2</sup>Department of Radiology, Faculty of Medicine and Health, Örebro University, Södra Grev Rosengatan, 701 85, Örebro, Sweden.

<sup>3</sup>Department of Neurosurgery, University of Debrecen, Nagyterdei Boulevard 98, 4032, Debrecen, Hungary. <sup>4</sup>Department of Radiology, Borsod County University Teaching Hospital, 72-76 Szentpéteri Gate, 3526, Miskolc, Hungary

09:30-09:40

Radiogenomic analysis of colorectal cancer

Csaba Csikos, Alexandra Kiss, László Virág, Csaba Hegedűs  
*Department of Medical Chemistry,  
University of Debrecen, Debrecen,  
Hungary*

Martin Frenzel, Marton Pirooska,  
David Laszlo Tarnoki, Adam  
Domonkos Tarnoki  
*Semmelweis University, Budapest,  
Hungary*

**09:40-09:50**  
**Assessment of post-COVID fibrotic  
changes and its prediction based  
on CO-RADS score**

Janka Fejes, Adam Domonkos  
Tarnoki, David Laszlo Tarnoki  
*Medical Imaging Center,  
Semmelweis University Orvosi  
Képközpont Klinika, Semmelweis  
Egyetem, Budapest, Hungary*

10:10-10:20

**Break / szünet**

10:20-10:50

**CEREMONY SESSION /  
MEGNYITÓ**

Dr. István Bóka, Dr. Ivan  
Harangozo, Prof. Dr. Ákos Koller,  
Prof. Dr. Attila Szabó, Dr. med.  
habil. Ádám Domonkos Tárnoki,  
Prof. Dr. Gábor Veress  
Oral / szóbeli előadás  
General  
10:20-10:30 Megnyitó, köszöntő  
előadások / Greetings

Prof. Dr. Gábor Veress (local host,  
head, State Hospital of Cardiology  
in Balatonfüred)

Dr. Bóka István, Balatonfüred  
polgármestere (mayor of  
Balatonfüred)

Prof. Dr. Attila Szabó (vice rector,  
Semmelweis University)

Ivan Harangozo, MD, PhD (HMAA  
president)

Prof. Dr. Ákos Koller (president of  
HMAA Hungary Chapter)

Ádám Domonkos Tárnoki MD, PhD  
(vice president of HMAA Hungary  
Chapter)

OPENING CEREMONY LECTURE

10:30-10:50 HU Dr. Rényi-Vámos Ferenc PhD (Onkológiai Intézet, SE Mellkassebészeti Klinika igazgató): Lung transplantation in Hungary

10:30-10:50

**Hungarian Lungtransplant Program**

Ferenc Rényi-Vámos  
Semmelweis Egyetem,  
Mellkassebészeti Klinika, Budapest,  
Hungary. Országos Onkológiai  
Intézet, Mellkasi Központ,  
Budapest, Hungary. Országos  
Korányi Pulmonológiai Intézet,  
Budapest, Hungary

10:50-11:05

**Break / szünet**

**Break / szünet**

**Break / szünet**

11:05-12:15

**SS2. Pathology-Oncology session**

Dr. Gábor Horváth, Prof. Dr. Kinga Karlinger, Dr. Andras Koor, Dr. med. habil. János Varga  
Oral / szóbeli előadás  
Pathology-Oncology  
Pathology-Oncology session

Moderátor: Prof. Dr. Karlinger Kinga, Dr. Koor András  
Zsűritag: Prof. Dr. Karlinger Kinga, Dr. med. habil. Varga János, Dr. Horváth Gábor PhD, Dr. Koor András

11:05-11:15

**Non-Invasive Quantitative Analysis of EZH2 Mutations in Follicular Lymphoma**

Laura Kiss, Bence Batai, Ákos Nagy, Csaba Bödör  
1st Department of Pathology and Experimental Cancer Research,  
Semmelweis University, Budapest,  
Hungary

11:15-11:25

**Examination of the expression of p53 protein in myeloid neoplasms**  
Agnes Mester  
University of Debrecen, Debrecen,  
Hungary

**SS5. Radiology session II.**

Dr. Bálint Környei, Dr. Alíz Persely, Dr. Dorottya Steigerwald Szabó, Dr. med. habil. Ádám Domonkos Tárnoki  
Oral / szóbeli előadás  
Radiology  
Radiology II. session

Moderátor: Dr. med. habil. Tárnoki Ádám Domonkos  
Zsűritag: Dr. med. habil. Tárnoki Ádám Domonkos, Dr. Környei Bálint, Dr. Steigerwald Szabó Dorottya, Dr. Persely Alíz

11:05-11:15

**Dose management capabilities of digital variance angiography: 70% decrease of DSA-related radiation exposure in lower limb X-ray angiography**

Peter Tamás Legeza<sup>1,2</sup>, Marcell Gyánó<sup>1,2</sup>, Csobay-Novák Csaba<sup>1</sup>, Márton Berczelj<sup>1,2</sup>, Dávid Szöllősi<sup>2</sup>, István Góg<sup>2</sup>, János Kiss<sup>2</sup>, Krisztián Szigeti<sup>2</sup>, Szabolcs Osváth<sup>2</sup>, Viktória Juhász<sup>1</sup>, Zoltán Oláh<sup>1</sup>, Balázs Nemes<sup>1</sup>, Péter Sótónyi<sup>1</sup>  
<sup>1</sup>Heart and Vascular Center, Semmelweis University, Budapest, Hungary. <sup>2</sup>Kinepict Health Ltd, Budapest, Hungary

**PS1. Physiology-Pathophysiology-Immunology-Cell Biology**

Prof. Dr. Ferenc Erdődi, Prof. Dr. Ákos Koller, Prof. Dr. Julianna Lisziewicz, Dr. Balázs Pósfai  
Poster / poszter előadás  
Physiology-Pathophysiology-Immunology-Cell Biology poster session

Moderátor/Moderator: Prof. Dr. Koller Ákos, Prof. Dr. Lisziewicz Julianna

Zsűritagok/Jury members: Prof. Dr. Koller Ákos, Prof. Dr. Lisziewicz Julianna, Prof. Dr. Erdődi Ferenc, Dr. Pósfai Balázs

11:05-11:15

**Cardiomyocyte-derived EVs play a role in ncRNA based cellular communication**

Balazs Hornyak, Annamaria Huszar, Edit Buzas, Hargita Hegyesi  
Semmelweis University, Budapest, Hungary

11:15-11:25

**Investigation of cardiac deterioration in db/db mice**

**11:25-11:35**  
**RETROSPECTIVE EVALUATION OF ANATOMIC AND PROGNOSTIC STAGES OF BREAST CANCER ACCORDING TO THE 8TH EDITION OF THE TNM STAGING SYSTEM IN PATIENTS WHO RECEIVED NEOADJUVANT THERAPY**

Veronika Szelestei, Anita Sejben, Tamás Zombori  
*Department of Pathology, University of Szeged, Szeged, Hungary*

**11:35-11:45**  
**Assessment of false positivity of fluorescence in situ hybridization using tissue slides**

Zoran Miklos Mali, Bela Kajtar  
*Department of Pathology, University of Pecs, Medical School, Pecs, Hungary*

**11:45-11:55**  
**Sensitive screening and monitoring of BTK p.C481S mutations in chronic lymphocytic leukemia during ibrutinib therapy**  
Lili Kotmayer, Richárd Kiss, Csaba Bődör, Donát Alpár  
*1st Department of Pathology and Experimental Cancer Research, Semmelweis University, Budapest, Hungary*

**11:15-11:25**  
**Use of prognostic MR scoring systems in neonatal hypoxic-ischaemic encephalopathy**  
Ludovika Zsófia Dunai, Csilla Andorka, Ágnes Jermendy, Miklós Szabó, Gábor Rudas, Enikő Szakmár  
*Semmelweis University, Budapest, Hungary*

**11:25-11:35**  
**Comparison of the MRI White Matter Hyperintensities between Monozygotic and Dizygotic Twins**

Amirreza Alijanpourtaghsara<sup>1</sup>, David Strelnikov<sup>1</sup>, Laszlo Szalontai<sup>1</sup>, Zsolia Jokkel<sup>1</sup>, Piroska Marton<sup>1</sup>, Bianka Forgo<sup>1,2</sup>, Csaba Olah<sup>3,4</sup>, Laszlo Kostyal<sup>4</sup>, David L Tarnoki<sup>1</sup>, Adam D Tarnoki<sup>1</sup>

<sup>1</sup>*Medical Imaging Centre, Semmelweis University, 78/A Üllői Street, 1082, Budapest, Hungary.*

<sup>2</sup>*Department of Radiology, Faculty of Medicine and Health, Örebro University, Södra Grev Rosengatan, 701 85, Örebro, Sweden.*

<sup>3</sup>*Department of Neurosurgery, University of Debrecen, Nagyerdei Boulevard 98, 4032, Debrecen, Hungary.* <sup>4</sup>*Department of Radiology, Borsod County University Teaching Hospital, 72-76 Szentpéteri Gate, 3526, Miskolc, Hungary*

**11:35-11:45**  
**The presence of adverse atherosclerotic coronary plaque features is associated with diabetes**

Viktoria Hahn, Judit Simon, Márton Kolossváry, Bálint Szilveszter, Anna Sára Kardos, Melinda Boussousou, Borbála Vattay, Béla Merkely, Pál Maurovich Horvat  
*Semmelweis University, Budapest, Hungary*

**11:45-11:55**  
**The predictive role of artificial intelligence-based chest CT quantification in patients with COVID-19 pneumonia**

Flóra Diána Gausz, Alexandra Fejes, Gergő Szűcs, Tamás Csont, Andrea Sója  
*University of Szeged, Faculty of Medicine, Department of Biochemistry, Metabolic Diseases and Cell Signaling Group (MEDICS), Szeged, Hungary*

**11:25-11:35**  
**Effect of kynurenic acid in doxorubicin induced acute cardiotoxicity rat model**

Alexandra Fejes<sup>1</sup>, Virág Demján<sup>1</sup>, Flóra Gausz<sup>1</sup>, Márton Pipicz<sup>1</sup>, Csaba Csonka<sup>1</sup>, Andrea Siska<sup>2</sup>, Imre Földesi<sup>2</sup>, Tamás Csont<sup>1</sup>

<sup>1</sup>*University of Szeged, Faculty of Medicine, Department of Biochemistry, Metabolic Diseases and Cell Signaling Group (MEDICS), Szeged, Hungary.* <sup>2</sup>*University of Szeged, Faculty of Medicine, Department of Laboratory Medicine, Szeged, Hungary*

**11:35-11:45**  
**Comparison of the DNA transposon-based approaches in the gene therapy of the Mouse Model of Tyrosinemia Type I**  
Réka Karkas<sup>1,2</sup>, András Blastyák<sup>2</sup>, Liza Hudoba<sup>2</sup>, Andrea Bakné Drubi<sup>2</sup>, Gergely Imre<sup>2</sup>, Lajos Mátés<sup>2</sup>  
<sup>1</sup>*Doctoral School of Multidisciplinary Medical Sciences, University of Szeged, Szeged, Hungary.* <sup>2</sup>*Institute of Genetics, Biological Research Centre, Szeged, Hungary*

**11:45-11:55**  
**The dark side of neoantigens**  
Asztalos Leó  
*SZTE ÁOK Department of Dermatology and Allergology, Szeged, Hungary*

**11:55-12:05**  
**drugs effects on 3D culture pancreatic tumor spheroids**  
Adam Izsak, Orsolya Lang

István Viktor Szabó<sup>1</sup>, Anna Sára Kardos<sup>1,2</sup>, Judit Simon<sup>1,2</sup>, Pál Maurovich-Horvat<sup>1,2</sup>  
<sup>1</sup>Medical Imaging Centre, Semmelweis University, Budapest, Hungary. <sup>2</sup>MTA-SE Cardiovascular Imaging Research Group, Heart and Vascular Center, Semmelweis University, Budapest, Hungary

Semmelweis University, Budapest, Hungary

12:15-12:30

### Csoportfénykép / Group photo

Prof. Dr. Ákos Koller, Dr. med. habil. Dávid László Tárnoki, Dr. med. habil. Ádám Domonkos Tárnoki  
SOCIAL PROGRAM  
GP1. Csoportfénykép / Group photo

12:30-14:10

### Ebéd / Lunch

CULINARY ACTIVITY

I.turnus (1st turn): 12:30-13:15, II. turnus (2nd turn): 13:15-14:10

14:10-15:00

### Highlighted session: Pandemic in Hungary

Prof. Dr. Ákos Koller  
Oral / szóbeli előadás  
HIGHLIGHTED SESSIONS  
Moderator: Prof. Dr. Akos Koller

### WS PhD előnyei, nehézségei

Dr. Balázs Pósfai  
Oral / szóbeli előadás  
ROUNDTABLE DISCUSSIONS  
Dr. Pósfai Balázs, PhD hallgató

### PS2. Pediatrics-Pharmacy-Microbiology-Behaviour Sciences

Dr. László Csáthy, Prof. Dr. Katalin Nagy, Dr. Helga Szabó, Luca Zöldi  
Poster / poszter előadás  
Pediatrics  
Pediatrics-Pharmacy-Microbiology-Behaviour Sciences poster session

15:00-15:10

14:10-14:30 Prof. Dr. Attila Szabó - vice rector (Semmelweis University), head of department (1st Department of Pediatrics, Semmelweis University): SARS-CoV-2 in Hungary: the unique role of Semmelweis University in the prevention, treatment and vaccination program

14:30-14:50 Prof. Julianna Lisziewicz (Semmelweis University): T-cell Responses after COVID-19 Vaccination

14:50-15:20 Prof. Dr. Horváth Ildikó: Pandémia hazánkban

15:20-15:40 Dr. Varga János Tamás (SE Pulmonológiai Klinika): Post-COVID és a tüdő rehabilitáció/Post-Covid Pulmonary Rehabilitation-Symposium

Moderátor: Dr. Csáthy László PhD, Prof. Dr. Nagy Katalin Zsúritag: Dr. Csáthy László PhD, Prof. Dr. Nagy Katalin, Dr. Szabó Helga, Zöldi Luca

**14:10-14:15**  
**Study of the hepatotropic effect of rotavirus in hematopoietic stem cell transplanted children**  
Zsófia Szkiba, Krisztián Kállay  
Central Hospital of Southern Pest - National Institute of Hematology and Infectious Diseases, Pediatric Hematology and Stem Cell Transplantation Department, Budapest, Hungary

**14:15-14:20**

15:40-15:50 Discussion

Post-Covid Pulmonary  
Rehabilitation-Symposium

**14:30-14:50**  
T-cell Responses after COVID-19  
Vaccination

Julianna Lisziewicz, Robert  
Lisziewicz  
*Research Institute for Genetic and  
Human Therapy, Bethesda, USA*

**15:20-15:40**  
Post-Covid Pulmonary  
Rehabilitation-Symposium

Janos T. Varga<sup>1</sup>, Maria Szilasi<sup>2</sup>  
<sup>1</sup>*Department of Pulmonology,  
Semmelweis University, Budapest,  
Hungary.* <sup>2</sup>*University of Debrecen,  
Faculty of Medicine, Debrecen,  
Hungary*

**Perioperative NIRS monitoring in  
neonatal oesophageal atresia  
surgery** **Keywords:**  
oesophageal atresia, NIRS,  
regional oxygenation, brain  
desaturation, neonatal  
anesthesia

Blanka Ágoston, Gyula Tövisházi  
*Semmelweis University, Budapest,  
Hungary*

**14:20-14:25**  
Investigation of the effect of an  
anti - PD-1 immune checkpoint  
inhibitor on hearing in mice

Gabriella Miklós<sup>1</sup>, Judit Szepesy<sup>1,2</sup>,  
János Farkas<sup>1</sup>, Tibor Zelles<sup>1,3</sup>  
<sup>1</sup>*Department of Pharmacology and  
Pharmacotherapy, Semmelweis  
University, Budapest, Hungary.*

<sup>2</sup>*Department of  
Otorhinolaryngology, Head and  
Neck Surgery, Semmelweis  
University, Budapest, Hungary.*

<sup>3</sup>*Department of Pharmacology,  
Institute of Experimental Medicine,  
Budapest, Hungary*

**14:25-14:30**  
Development and optimization of  
a new synthesis method for 1,4  
dihydropyridine derivatives.

Adrienn Katalin Demeter, Klára  
Herke  
*Semmelweis University, Budapest,  
Hungary*

**14:30-14:35**  
Next Frontier in Bacterial Genome  
Design - increasing the efficiency  
and extending the host range of  
recombineering based genome  
engineering

Márton Simon Czikkely  
*Eötvös Lóránd Research Network,  
Biological Research Centre, Szeged,  
Hungary*

**14:35-14:40**  
Prevalence of eating disorders in  
light of self-esteem and optimism  
among university students

15:10-15:50			<p><b>WS A dohányzásról való leszoktatási folyamat segítése a fogorvosi rendelőben</b>  Prof. Dr. Katalin Nagy  Oral / szóbeli előadás  ROUNDTABLE DISCUSSIONS  Prof. Dr. Nagy Katalin:A dohányzásról való leszoktatási folyamat segítése a fogorvosi rendelőben</p>		<p><u>Alexandra Grácz</u>, Hedvig Kiss, Bettina Pikó  <i>Department of Behavioral Sciences, University of Szeged, Szeged, Hungary</i></p> <p><b>14:40-14:45</b>  <b>Hungarian healthcare students' perspective on the digitalization and future of the healthcare system</b>  <u>Kata Dorottya Kovács</u>, Levente Toók, Dr. Zsuzsanna Gyórfy  <i>Semmelweis University, Budapest, Hungary</i></p>
15:50-16:05	<b>Break / szünet</b>			<b>Chat with the president of HMAA - Beszélgetés az HMAA elnökével</b>	
16:05-16:30	<p><b>SS3. Cardiology</b>  Dr Ferenc Balázs Farkas, Dr. Péter Kanizsai, Prof. Dr. Ákos Koller, Dr. Gabriella Veress  Oral / szóbeli előadás  Cardiology  Multidisciplinary session: Cardiology</p>	<p><b>Special focus session: language and medical law</b>  Oral / szóbeli előadás  HIGHLIGHTED SESSIONS  16:05-16:25 Édes Éva (Semmelweis University, Department of Languages for Specific Purposes):  Intercomprehension: bridging Romance and Germanic languages</p>	<p><b>WS Képzőanyag: mikor, melyiket?</b>  Prof. Dr. Kinga Karlinger  Oral / szóbeli előadás  ROUNDTABLE DISCUSSIONS  Prof. Dr. Karlinger Kinga:  Képzőanyag: mikor, melyiket?</p>	<p>Dr. Ivan Harangozo  Oral / szóbeli előadás  ROUNDTABLE DISCUSSIONS  Chat with the president of HMAA - Beszélgetés az HMAA elnökével</p>	<p><b>PS3. Dentistry-Law / Medical Malpractice / Business-Health Sciences-Sport Sciences</b>  Dr. László Csáthy, Prof. Dr. Katalin Nagy, Dr. Alíz Persely, Luca Zöldi  Poster / poszter előadás  Dentistry  Dentistry-Law / Medical Malpractice / Business-Health Sciences-Sport Sciences poster session</p>
16:30-16:50	<p>Moderátor: Dr. Veress Gabriella  PhDZsűritag: Dr. Veress Gabriella PhD, Prof. Dr. Koller Ákos, Dr. Kanizsai Péter PhD, Dr. Farkas Ferenc Balázs</p> <p><b>16:05-16:15</b>  <b>Abutting left atrial appendage and left superior pulmonary vein predicts recurrence of atrial fibrillation after point-by-point pulmonary vein isolation</b>  Gábor Orbán, Nándor Szegedi, László Gellér, Judit Simon</p>	<p>16:25-16:45: Dr. Kovács György:  Interesting cases from medical law</p> <p>16:45-17:00 Discussion</p> <p><b>16:05-16:25</b>  <b>Intercomprehension: bridging Romance and Germanic languages</b>  Éva Édes  <i>Semmelweis University, Department of Languages for</i></p>		<p>Moderátor/Moderator: Ivan Harangozo, MD, PhD (USA)</p>	<p>Moderator: Prof. Dr. Katalin Nagy</p> <p>Zsűritag: Dr. Csáthy László PhD, Prof. Dr. Nagy Katalin, Dr. Persely Alíz, Zöldi Luca</p> <p><b>16:05-16:10</b>  <b>BLOOD FLOW KINETICS OF FULL AND SPLIT THICKNESS FLAPS</b></p>



Heart and Vascular Centre,  
Semmelweis University, Budapest,  
Hungary

16:15-16:25

**Catheter ablation of persistent atrial fibrillation in patients with heart failure – a single-center study**

Kristóf Nagy, Zsófia Nagy, Mónika Dénes, Dániel Simkovits, Zoltán Som, Csaba Földesi, Attila Kardos  
*Gottsegen György Országos Kardiiovaszkuláris Intézet, Budapest, Hungary*

16:25-16:35

**THE ROLE OF THE CARDIAC MAGNETIC RESONANCE IMAGING BASED STRAIN ANALYSIS IN THE STUDY OF SPORTS ADAPTATION**

Dorottya Balla, Liliána Szabó, Hajnalka Vágó  
*Semmelweis University, Heart and Vascular Center, Budapest, Hungary*

16:35-16:45

**Evaluation of isolation area, myocardial injury and left atrial function following high-power short-duration radiofrequency or second-generation cryoballoon ablation for atrial fibrillation**

Krisztian Istvan Kassa<sup>1,2</sup>, Zsófia Nagy<sup>2</sup>, Daniel Simkovits<sup>2</sup>, Zsuzsanna Kis<sup>2</sup>, Tamas Ferenc<sup>3,4</sup>, Zoltan Som<sup>2</sup>, Csaba Földesi<sup>2</sup>, Attila Kardos<sup>2</sup>  
<sup>1</sup>*Semmelweis University, Budapest, Hungary.* <sup>2</sup>*Gottsegen National Cardiovascular Center, Budapest, Hungary.* <sup>3</sup>*Obuda University, Physiological Controls Research Center, Budapest, Hungary.* <sup>4</sup>*Corvinus University of Budapest, Department of Statistics, Budapest, Hungary*

16:45-16:55

*Specific Purposes, Budapest, Hungary*

16:25-16:45

**Communication and Law in Medical Practice**

György Kovács  
*Pázmány Péter Catholic University, Budapest, Hungary*

**FOLLOWING HUMAN ALVEOLAR RIDGE AUGMENTATION PROCEDURE MEASURED BY LASER SPECKLE CONTRAST IMAGING**  
Fanni Veress, Kristóf Weninger  
*Semmelweis University, Budapest, Hungary*

16:10-16:15

**The potential effect of instrumentation with different nickel titanium rotary systems on dentinal crack formation—An in vitro study.**

András Gábor Jakab, Márk Fráter  
*Department of Operative and Esthetic Dentistry, Faculty of Dentistry, University of Szeged, Szeged, Hungary*

16:15-16:20

**Study on the Documentation of Sharp-, and Blunt-Force Injuries**

Márk Jámbo<sup>1</sup>, Zoltán Patonai<sup>2</sup>, Katalin Fogarasi-Nuber<sup>1</sup>  
<sup>1</sup>*Department of Languages for Specific Purposes, Semmelweis University, Budapest, Hungary.* <sup>2</sup>*Department of Traumatology and Hand Surgery, University of Pécs, Pécs, Hungary*

16:20-16:25

**Effects of Covid19 on physical activity and mental health of the Hungarian population**

Judit Bognár, Mónika Ditta Dr. Tóth, Éva Dr. Susánszky  
*Semmelweis University, Budapest, Hungary*

16:25-16:30

**A Humán mikrobiom, mint patogenetikus tényező**

Richard Dr Schwab<sup>1</sup>, Orsolya Ban<sup>2</sup>  
<sup>1</sup>*MIND Klinika Kft, Budapest, Hungary.* <sup>2</sup>*MIND Klinika, Budapest, Hungary*

16:30-16:35

**Identification of natural clusters and examination regarding survival amongst elderly, post-AMI patients**

Réka Lukács, András Komócsi  
Heart Institute, Pécs, Hungary

**Examination of myocardial involvement after SARS-CoV-2 infection using cardiac magnetic resonance imaging among elite athletes**

Csenge Emese Fogarasi<sup>1</sup>, Liliána Szabó<sup>1</sup>, Hajnalka Vágó<sup>1,2</sup>  
<sup>1</sup>Semmelweis University, Heart and Vascular Center, Budapest, Hungary. <sup>2</sup>Semmelweis University, Faculty of Sports Medicine, Budapest, Hungary

**16:35-16:40**

**Correlation between body composition and upper extremity performance among women handball players**

Panna Szóllósi  
University of Debrecen, Debrecen, Hungary

16:50-17:00

17:00-17:15

**Break / szünet**

17:15-19:00

**WPG. Vízilabdameccs / Waterpolo game**

SOCIAL PROGRAM

WPG. Vízilabdameccs / Waterpolo game (Helyszín: Szívkórház úszómedencéje, Location: swimming pool of the hospital)

Bíró/referree: Dr. Dani Vilmos, Prof. Dr. Tamás László

17:15-17:30 Köszöntő /Welcome

17:30-18:00Női-férfi vegyes meccs / Women-men mixed game

18:00-18:30 Professzori meccs / Professor's game

19:00-20:00

20:00-22:00

**Vacsora a Borcsa étteremben / Dinner in Borcsa restaurant**

Prof. Dr. Ákos Koller, Dr. med. habil. Dávid László Tárnoki, Dr. med. habil. Ádám Domonkos Tárnoki

CULINARY ACTIVITY

Vacsora a Borcsa étteremben / Dinner in Borcsa restaurant

	Eszterhazy hall / Eszterházy terem	Cinema hall / Moziterem	CIBA hall / CIBA terem	Young scientist's lounge	Poster area / Poszter rész	Lunch area of the Hospital / Ebédlő
09:00-09:30	<b>Regisztráció / Registration</b> General Registration - between 08:30-16:00					
09:30-11:00	<p><b>SS6. Anesthesiology-Intensive Care-Emergency care - Neurology session</b>            Dr. Tünde Csépany, Dr. Ivan Harangozo, Dr. Péter Kanizsai, Prof. Dr. Laszlo L. Mechtler            Oral / szóbeli előadás            Anesthesiology-Intensive Care-Emergency care            Scientific session: Anesthesiology-Intensive Care-Emergency care - Neurology session</p> <p>Moderátor: Istvan Harangozo, MD, PhD, Laszlo L. Mechtler, MDZsűritag: Istvan Harangozo, MD, PhD, Laszlo L. Mechtler, MD, Dr. Kanizsai Péter PhD, Dr. Csépany Tünde</p> <p><b>09:30-09:40</b>  <b>Intraoperative blood pressure changes during kidney transplantation and their effect on the occurrence of delayed graft function (DGF)</b>  <a href="#">Alexandra Mune Assani</a><sup>1</sup>, Anikó Smudla<sup>2</sup>  <sup>1</sup><i>Semmelweis University, Budapest, Hungary.</i>  <sup>2</sup><i>Department of Transplantation and Surgery, Semmelweis University, Budapest, Hungary</i></p> <p><b>09:40-09:50</b>  <b>Administration of vitamins and low dose hydrocortisone in the supportive care of septic patients</b>  <a href="#">Natália Tóth</a>, Diana Mühl  <i>Department of Anaesthesia and Intensive Therapy, University of Pecs, Pécs, Hungary</i></p> <p><b>09:50-10:00</b>  <b>Development of a novel ventilation strategy: application of mixed frequencies in an animal model</b>  <a href="#">Bence Ballók</a>, Richárd Máté Kulcsár, Álmos István Schranc, Gergely H. Fodor, Ferenc Peták  <i>University of Szeged, Department of Medical Physics and Informatics, Szeged, Hungary</i></p> <p><b>10:00-10:10</b></p>	<p><b>SS8. Physiology-Pathophysiology-Immunology-Cell Biology session</b>            Dr. Dóra Antal, Prof. Dr. Ferenc Erdődi, Prof. Dr. László Mátyus, Dr. Leticia Szadai            Oral / szóbeli előadás            Physiology-Pathophysiology            Scientific session: Physiology-Pathophysiology-Immunology-Cell Biology session</p> <p>Moderátor: Prof. Dr. Mátyus László, Prof. Dr. Erdődi FerencZsűritag: Prof. Dr. Mátyus László, Prof. Dr. Erdődi Ferenc, Dr. Szadai Leticia, Dr. Antal Dóra</p> <p><b>09:30-09:40</b>  <b>SINGLE-CELL TRANSCRIPTOMICS REVEALS CENTRAL ROLE OF SENESENCE ENDOTHELIAL AND MICROGLIA CELLS IN THE DEVELOPMENT OF VASCULAR COGNITIVE IMPAIRMENT</b>  <a href="#">Tamas Kiss</a><sup>1</sup>, Priya Balasubramanian<sup>2</sup>, Stefano Tarantini<sup>2</sup>, Chetan Ahire<sup>2</sup>, Jordan DelFavero<sup>2</sup>, Eszter Farkas<sup>3</sup>, Andriy Yabluchanskiy<sup>2</sup>, Tamás Csipo<sup>4</sup>, Graham Wiley<sup>5</sup>, Lori Garman<sup>5</sup>, Anna Csiszár<sup>2</sup>, Zoltán Ungvári<sup>4,2</sup>  <sup>1</sup><i>Department of Pediatrics, University of Szeged, Szeged, Hungary.</i> <sup>2</sup><i>Department of Biochemistry &amp; Molecular Biology, University of Oklahoma Health Sciences Center, Oklahoma City, USA.</i>  <sup>3</sup><i>Department of Medical Physics and Informatics, Szeged, Hungary.</i> <sup>4</sup><i>Department of Public</i></p>				<p><b>PS4. Cardiology-Internal Medicine-Family Medicine Pulmonology</b>            Dr. Beáta Zita Kőrösi, Dr. Richárd Schwab, Dr. med. habil. János Varga, Dr. Gabriella Veress            Poster / poszter előadás            Cardiology            Cardiology-Internal Medicine-Family Medicine Pulmonology poster session</p> <p>Moderátor: Dr. Schwab RichárdZsűritag: Dr. Schwab Richárd, Dr. med. habil. Varga János, Dr. Veress Gabriella PhD, Dr. Kőrösi Beáta</p> <p><b>09:30-09:40</b>  <b>Teleauskultációs módszerek a szívbillentyűbetegségek vizsgálatában</b>  <a href="#">Marcell Dömötör</a>  <i>Szegedi Tudományegyetem Általános Orvostudományi Kar, Szeged, Hungary</i></p> <p><b>09:40-09:50</b>  <b>Anatomical Characteristics of the Left Atrium and Left Atrial Appendage in Relation to the Risk of Stroke in Patients With Versus Without Atrial Fibrillation</b>  <a href="#">Lili Száraz</a>, Emese Zsarnóczay  <i>Heart and Vascular Centre, Budapest, Hungary</i></p> <p><b>09:50-10:00</b>  <b>GOULASH-PLUS study-in the early phase of chronic pancreatitis</b></p>

**SLEEP MACROSTRUCTURE, COGNITIVE SYMPTOMS AND BRAIN STRUCTURAL DIFFERENCES IN ALZHEIMER'S DISEASE: POSSIBLE CONNECTIONS?**

Anna Kegyes-Brassai<sup>1</sup>, András Horváth<sup>2</sup>, Anita Kamondi<sup>2</sup>

<sup>1</sup>Faculty of Medicine, Semmelweis University, Budapest, Hungary. <sup>2</sup>National Institute of Clinical Neurosciences, Budapest, Hungary

**10:10-10:20**

**Georg Trakl – examinations of the psychology of creation and reception**

Borbála Pethő, Tamás Tényi

University of Pécs Clinical Centre Department of Psychiatry and Psychotherapy, Pécs, Hungary

**10:20-10:30**

**INVESTIGATION OF PITUITARY ADENYLATE-CYCLASE ACTIVATING POLYPEPTIDE IN PARKINSONIAN PATIENTS**

Tünde Tóth<sup>1</sup>, Dániel Pham<sup>1</sup>, Beáta Polgár<sup>2</sup>, Adél Jüngling<sup>1</sup>, Norbert Kovács<sup>3</sup>, István Balás<sup>4</sup>, Endre Pál<sup>3</sup>, Dóra Szabó<sup>5</sup>, Balázs Dániel Fülöp<sup>1</sup>, Róbert Herczeg<sup>6</sup>, Attila Gyenesei<sup>6</sup>, Zalán Szántó<sup>7</sup>, Dóra Reglődi<sup>1</sup>, Andrea Tamás<sup>1</sup>

<sup>1</sup>Department of Anatomy, MTA-PTE PACAP Research Team, Centre for Neuroscience, University of Pécs, Medical School, Pécs, Hungary. <sup>2</sup>Department of Medical Microbiology and Immunology, University of Pécs, Medical School, Pécs, Hungary. <sup>3</sup>Department of Neurology, University of Pécs, Medical School, Pécs, Hungary. <sup>4</sup>Department of Neurosurgery, University of Pécs, Medical School, Pécs, Hungary. <sup>5</sup>Heart Institute, University of Pécs, Medical School, Pécs, Hungary. <sup>6</sup>Szentagothai Research Center, University of Pécs, Medical School, Pécs, Hungary. <sup>7</sup>Department of Surgery, University of Pécs, Medical School, Pécs, Hungary

*Health, Semmelweis University, Budapest, Hungary. <sup>5</sup>Oklahoma Medical Research Foundation, Oklahoma City, USA*

**09:40-09:50**

**Microcirculatory - mitochondrial resuscitation by modulation of endothelin receptors in a rodent model of sepsis**

Roland Fejes, Attila Rutai, Szabolcs Péter Tallósy, Marietta Zita Poles, László Juhász, András Mészáros, Mihály Boros, József Kaszaki

Institute of Surgical Research, Szeged, Hungary

**09:50-10:00**

**The effect of intraamygdaloid oxytocin treatment on social interaction in autism animal model**

Orsolya Kiss, Kristóf László  
Department of Physiology, University of Pécs Medical School, Pécs, Hungary

**10:00-10:10**

**Investigation of positive inotropic agents on the contractility and Ca<sup>2+</sup> transients of isolated canine left ventricular cardiomyocytes**

Zsófia Réka Mészáros, Arnold Péter Ráduly, Attila Tóth  
University of Debrecen, Debrecen, Hungary

**10:10-10:20**

**Examination of the EGR2 transcription factor's gene expression and regulatory role in COPD-derived alveolar macrophages**

Gréta Kemeses, Zsuzsanna Kolostyák, László Nagy  
Department of Biochemistry and Molecular Biology, Debrecen, Hungary

Dorottya Kató, Veronika Lillik, Alexandra Mikó  
University Of Pécs Medical School, Institute For Translational Medicine, Pécs, Hungary

**10:00-10:10**

**Interstitial lung disease multidisciplinary team: evaluation of the use of a web based structured platform in the diagnosis**

Dorottya Fésű<sup>1</sup>, Anikó Bohács<sup>1</sup>, Noémi Eszes<sup>1</sup>, Krisztina Vincze<sup>1</sup>, Bence Fejér<sup>2</sup>, Pál Maurovich-Horvát<sup>2</sup>, Veronika Müller<sup>1</sup>

<sup>1</sup>Semmelweis University Faculty of Medicine Department of Pulmonology, Budapest, Hungary. <sup>2</sup>Semmelweis University Faculty of Medicine Medical Imaging Centre, Budapest, Hungary

**10:20-10:30**  
**The presence and role of beta thymosins in mammalian inner ear development**  
Bálint Lippai<sup>1,2</sup>, Ildikó Bock-Marquette<sup>3,2</sup>, Péter Bakó<sup>1,2</sup>  
<sup>1</sup>Department of Otorhinolaryngology, Head and Neck Surgery, University of Pécs, Medical School, Pécs, Hungary.  
<sup>2</sup>Regenerative Science, Sport and Medicine Research Group, University of Pécs, Szentágotthai Research Centre, Pécs, Hungary.  
<sup>3</sup>Department of Biochemistry and Medical Chemistry, University of Pécs, Medical School, Pécs, Hungary

11:00-11:15

**Break / szünet**

**Break / szünet**

11:15-12:25

**SS7. Orthopedics-Otorhinolaryngology-Surgery-Traumatology-Neurosurgery session**

Dr. Dóra Antal, Prof. Dr. András Büki, Dr. Péter Kanizsai, Prof. Dr. László Tamás  
Oral / szóbeli előadás  
Orthopedics  
Scientific session: Orthopedics-Otorhinolaryngology-Surgery-Traumatology-Neurosurgery session

Moderátor: Prof. Dr. Büki András, Dr. Kanizsai Péter PhD

Zsűritag: Prof. Dr. Büki András, Dr. Kanizsai Péter PhD, Prof. Dr. Tamás László, Dr. Antal Dóra

**11:15-11:25**

**Clinical examination of patients having undergone TEP implantation due to osteoarthritis of the knee and hip**  
Marcell Lendvai  
University of Pécs Faculty of General Medicine Clinical Centre Department of Rheumatology and Immunology, Pécs, Hungary

**11:25-11:35**

**Identification of cochlear implant (CI) tip fold-over using a novel software, Trans-Impedance Matrix (TIM)**  
Fiona Molnár, Nagy Roland, József Géza Kiss, László Rovó

**WS Statisztika: minden, amit tudni érdemes – A statisztika fő bűnei**

Johanna Takács  
Oral / szóbeli előadás  
ROUNDTABLE DISCUSSIONS  
Takács Johanna: Statisztika: minden amit tudni akarsz / Statistics: all you want to know

HMAA Füred 2021: Statisztika workshop

Statisztika: minden, amit tudni érdemes – A statisztika fő bűnei

Takács Johanna

Társadalomtudományi Tanszék, Egészségtudományi Kar, Semmelweis Egyetem, Budapest

**PSS. Radiology-Pathology-Oncology**

Prof. Dr. Kinga Karlinger, Dr. Andras Koor, Prof. Dr. Katalin Nagy, Dr. Alíz Persely  
Poster / poszter előadás  
Radiology  
Radiology-Pathology-Oncology poster session

Moderátor: Prof. Dr. Karlinger Kinga, Dr. Koor András  
Zsűritag: Prof. Dr. Karlinger Kinga, Prof. Dr. Nagy Katalin, Dr. Persely Alíz, Dr. Koor András

**11:15-11:25**

**Association between Gut Microbial Diversity and Carotid Atherosclerosis**

Helga Szabo<sup>1,2</sup>, Anita Hernyes<sup>1</sup>, Marton Piroska<sup>1</sup>, Balazs Ligeti<sup>3,4</sup>, Peter Fussy<sup>5</sup>, Luca Zoldi<sup>3</sup>, Szonja Galyasz<sup>5</sup>, Nora Makra<sup>3</sup>, Dora Szabo<sup>3</sup>, Adam Domonkos Tarnoki<sup>1</sup>, David Laszlo Tarnoki<sup>1</sup>  
<sup>1</sup>Medical Imaging Centre, Semmelweis University, Budapest, Hungary. <sup>2</sup>Central Radiological Diagnostic Department, Medical Centre Hungarian Defence Forces,

11:35-11:45

**MORBIDITY AND MORTALITY RATES IN PATIENTS UNDERGOING UPPER AND LOWER LIMB SURGICAL EMBOLLECTOMY** Keywords: thromboembolism, acute limb ischemia, surgical embolectomy, morbidity, mortality

Balázs Nyáradi, Ákos Bérczi, Edit Dósa  
Heart and Vascular Center, Semmelweis University, Budapest, Hungary

11:45-11:55

**Transcatheter aortic valve implantation in a patient with Marfan syndrome 6 years after BioValsalva conduit implantation**

Máté Csonka, Miklós Pólos, Kálmán Benke, Bence Ágg, Anikó Ilona Nagy, Levente Molnár, Elektra Bartha, Béla Merkely, Zoltán Szabolcs  
Semmelweis University, Heart and Vascular Center, Budapest, Hungary

11:55-12:05

**Novel therapeutic methods to improve wound healing in reconstructive plastic surgery: potential role of venous microvessels**

Daniel Pal<sup>1,2</sup>, Gabriella Dörnyei<sup>3</sup>, Akos Koller<sup>4,5,3</sup>, Béla Debreczeni<sup>2,4</sup>

<sup>1</sup>Heart and Vascular Centre, Semmelweis University, Budapest, Hungary. <sup>2</sup>DrD Plastic Surgery Studio, Budapest, Hungary. <sup>3</sup>Department of Morphology and Physiology, Faculty of Health Sciences, Budapest, Hungary. <sup>4</sup>Research Center for Sports Physiology, Human Microcirculation Lab, University of Physical Education, Budapest, Hungary. <sup>5</sup>Department of Translational Medicine, Faculty of Medicine Semmelweis University, Budapest, Hungary

12:05-12:15

**Experimental isolated lung perfusion model's implication for physiological and pharmacological studies**

Áron Gellért, Áron Ghimessy  
Semmelweis University Thoracic Surgery Department, Budapest, Hungary

A statisztika, a „számhasonlítás” tudománya segít bennünket abban, hogy a komplex, összetett, bonyolult helyzeteket, dolgokat, jelenségeket kezelhető formára redukáljuk, és aztán elemezhesük, modellezhesük és megértsük azokat. Ezért komplex esetekben - szinte minden az! - a döntésekhez, adatok és statisztikai elemzés szükséges.

A megfelelő statisztika alkalmazásával lehetőségünk van arra, hogy az összegyűjtött adatmennyiséget következetes és indokolt kutatási eredménnyé alakítsuk. A statisztika alkalmas arra, hogy áthidalja az információ és tudás közötti hézagokat. Ha jól alkalmazzuk, akkor az összegyűjtött és elemzett adatokon alapuló döntések megbízhatóbb eredményeket, jobb döntéseket hozhatnak, mint azok, amelyek az intuíción és megérzésen alapulnak.

A workshop során a legegyszerűbbtől kiindulva számos olyan, gyakran felmerülő statisztikai problémára is igyekszünk megoldást nyújtani, amelyek még a leggyakorlottabb kutatókat is zavarba hozzák. Ez majd segítséget ad ahhoz, hogy ne úgy használjuk a statisztikát, mint a részeg a lámpaoszlopot: támaszkodásra és nem világitásra.

Témák:

Ilyen és hasonló témákat fogunk megbeszélni, amit biztos hasznosítani tudtok majd a kutatói életetek során.

Budapest, Hungary. <sup>3</sup>Institute of Medical Microbiology, Semmelweis University, Budapest, Hungary. <sup>4</sup>Faculty of Information Technology and Bionics, Pazmany Peter Catholic University, Budapest, Hungary. <sup>5</sup>Faculty of Medicine, Semmelweis University, Budapest, Hungary

11:25-11:35

**CT texture analysis-based deep learning model for kidney tumor characterization**

Borbála Körmendy<sup>1</sup>, Bettina Buda<sup>1</sup>, Veronica Frank<sup>1</sup>, Katalin Borka<sup>2</sup>, Pál Maurovich Horvat<sup>1</sup>, Pál Kaposi<sup>1</sup>

<sup>1</sup>Department of Radiology, Medical Imaging Centre, Faculty of Medicine, Semmelweis University, Budapest, Hungary. <sup>2</sup>2nd Department of Pathology, Faculty of Medicine, Semmelweis University, Budapest, Hungary

11:25-11:45

**Difference in the severity of pneumonia and radiomorphological signs between SARS-CoV-2 variants B.1.1.7 and non-B.1.1.7**

Blanka Erdélyi-Nagy<sup>1</sup>, Judit Simon<sup>1,2</sup>, James Samuel Zara<sup>1</sup>, Emese Zsarnóczay<sup>1</sup>, Chiara Nardocci<sup>1</sup>, Norbert Nagy<sup>1</sup>, István Viktor Szabó<sup>1</sup>, Anna Sára Kardos<sup>1</sup>, Renad-Heyam Abdelrahman<sup>1</sup>, Kristóf Nagy<sup>1</sup>, Béla Merkely<sup>2</sup>, Pál Maurovich-Horvat<sup>1,2</sup>

<sup>1</sup>Medical Imaging Centre, Semmelweis University, Budapest, Hungary. <sup>2</sup>Heart and Vascular Center, Semmelweis University, Budapest, Hungary

11:30-11:55

**Meta-analysis on the prognostic role of cell-free DNA in pancreatic adenocarcinoma**

Támogatás: Semmelweis  
Egyetem Felsőoktatási  
Intézményi Kiválósági Program

Veronika Lillik<sup>1</sup>, Stefania  
Bunduc<sup>1,2,3</sup>, Szilárd Váncsa<sup>1</sup>,  
Alexandra Mikó<sup>1</sup>  
<sup>1</sup>University of Pécs Medical  
School, Institute for Translational  
Medicine, Pécs, Hungary.  
<sup>2</sup>Fundeni Clinical Institute,  
Bucharest, Romania. <sup>3</sup>"Carol  
Davila" University of Medicine  
and Pharmacy, Bucharest,  
Romania

**11:35-12:05**  
**Mutagen sensitivity and risk of  
second primary cancer in young  
patients with head and neck  
squamous cell cancer: 15-year  
results**  
Botond Bukovszky  
Semmelweis University,  
Budapest, Hungary

**Csoportfénykép / Group  
photo**  
Prof. Dr. Ákos Koller, Dr. med.  
habil. Dávid László Tárnoki, Dr.  
med. habil. Ádám Domonkos  
Tárnoki  
SOCIAL PROGRAM  
GP1. Csoportfénykép / Group  
photo

**Ebéd / Lunch**  
CULINARY ACTIVITY  
I.turnus (1st turn): 12:45-  
13:30, II. turnus (2nd turn):  
13:30-14:15

12:25-  
12:35

**Break / szünet**

12:35-  
12:45

12:45-  
13:30

13:30-  
14:15

**Highlighted session: Cannabis**

Prof. Dr. Laszlo L. Mechtler  
Oral / szóbeli előadás  
HIGHLIGHTED SESSIONS  
Prof. Dr. Mechtler Laszlo: Cannabis and neurology

14:15-  
15:00

**Traumatic Brain Injury: cerebral  
autoregulation and neuromonitoring**

Oral / szóbeli előadás  
HIGHLIGHTED SESSIONS  
Moderator:

Prof. Dr. Mechtler László

DENT Institute

**WS Microbiota és  
egészség**

Dr. Richárd Schwab  
Oral / szóbeli előadás  
ROUNDTABLE DISCUSSIONS  
Schwab Richard: Microbiota és  
egészség

[<https://aok.pte.hu/hu/egyseg/280/munkatarsak/1292>]

14:15-14:30 Prof. Dr. Koller Ákos: A new look at the mechanisms of cerebral autoregulation

14:30-14:50 Prof. Dr. Büki András (Department of Neurosurgery, University of Pécs Medical School):

Multimodal neuromonitoring in patients with severe traumatic brain injury: an emerging practice in the neurocritical care unit

14:50-15:00 Discussion

**14:15-14:30**

**A new look at the mechanisms of cerebral autoregulation**

Akos Koller

*Department of Translational Medicine, and Department of Morphology and Physiology, Semmelweis University, Budapest, Hungary. Research Center for Sports Physiology, University of Physical Education, Budapest, Hungary. Department of Physiology, New York Medical College, Valhalla NY, USA*

**14:30-14:50**

**Multimodal neuromonitoring in patients with severe traumatic brain injury: an emerging practice in the neurocritical care unit**

András Büki<sup>1</sup>, András Czigler<sup>2</sup>, Péter Horváth<sup>1</sup>, Erzsébet Ezer<sup>3</sup>, Ákos Mérei<sup>3</sup>, Tihamér Molnár<sup>3</sup>, Péter Tóth<sup>1</sup>

<sup>1</sup>Department of Neurosurgery, Medical School, University of Pécs, Pécs, Hungary. <sup>2</sup>Department of Neurosurgery, Medical School, University of Pécs, Pécs, Iceland. <sup>3</sup>Department of Anesthesiology and Intensive Care, Medical School, University of Pécs, Pécs, Hungary

15:00-15:20

15:20-16:30

**MTT session**

Dr. Gyula Ostoros

Oral / szóbeli előadás

HIGHLIGHTED SESSIONS

Moderator: Dr. Ostoros Gyula

**FRISSÍTŐ FÁNK PARTY /  
REFRESHING DONUT  
PARTY**  
CULINARY ACTIVITY



15:20-15:40

**Is the presence of tumor necrosis a predictive factor for immunotherapy of lung cancer?**

Eszter Czibula<sup>1</sup>, Zsolt Megyesfalvi<sup>1,2,3</sup>, Gábor Géza Takács<sup>1</sup>, Krisztina Bogos<sup>1</sup>, Judit Pápay<sup>4</sup>, György Losonczy<sup>4</sup>, Gabriella Gálffy<sup>5</sup>, Rita Puskás<sup>5</sup>, János Fillinger<sup>1,2</sup>, Balázs Döme<sup>4,2,3</sup>, Zoltán Szállási<sup>4</sup>, Judit Moldvay<sup>1</sup>

<sup>1</sup>National Koranyi Institute of Pulmonology, Budapest, Hungary. <sup>2</sup>National Institute of Oncology, Budapest, Hungary. <sup>3</sup>Medical University of Vienna, Vienna, Austria. <sup>4</sup>Semmelweis University, Budapest, Hungary. <sup>5</sup>Pulmonology Hospital of Törökbálint, Törökbálint, Hungary

15:40-16:00

**Our experience with medical thoracoscopy at the Department of Pulmonology, Semmelweis University**  
Péter Horváth

Semmelweis University, Department of Pulmonology, Budapest, Hungary

16:00-16:20

**The immunological effects of fluticasone propionate on *Chlamydia pneumoniae*-infected mice**

Dóra Paróczai<sup>1</sup>, Anita Sejben<sup>2</sup>, Dávid Kókai<sup>3</sup>, Dezső Virok<sup>3</sup>, Valéria Endrész<sup>3</sup>, Katalin Burián<sup>3</sup>

<sup>1</sup>Department of Pulmonology, University of Szeged, Szeged, Hungary. <sup>2</sup>Department of Pathology, University of Szeged, Szeged, Hungary. <sup>3</sup>Department of Medical Microbiology, University of Szeged, Szeged, Hungary

**Break / szünet**

16:30-16:40

**CEREMONY SESSION: AWARDS**

Prof. Dr. Ákos Koller, Dr. med. habil. Ádám Domonkos Tárnoki  
General  
Moderátor/Moderator: Adam D. Tarnoki, MD, PhD

16:30-16:40 CS1. HU (SE, Winner of Ivan Krisztinicz MD Award 2020): Bálint Lippai

16:40-17:10 Eredményhirdetés / Announcement of the awardees

17:10-17:15 Zárzó / Closing remarks

16:40-17:15