

MAGYAR SZEREPLÉS A 2017-ES ESC KONGRESSZUSON BARCELONÁBAN

Az Európai Kardiológusok Társasága idén augusztus 26-a és 30-a között rendezte meg éves kongresszusát Barcelonában. Az idei kongresszusra 10804 absztrakt érkezett be, melyből 4515 került elfogadásra. A magyar absztraktok is hasonló arányban kerültek elfogadásra, a 99 beküldött absztraktunkból 47-et fogadtak el.

Nyolc üléselnökséget, hét előadást és negyvenhat posztert mutattak be Barcelonában a magyar kardiológusok. Huszonhat posztert a Városmajori Szív- és Érgyógyászati Klinika, hatot a Pécsi Tudományegyetem, kettőt-kettőt a Szent Imre Kórház és a Csongrád Megyei Egészségügyi Ellátóközpont (Hódmezővásárhely), egyet-egyet a Debreceni Egyetem, a Szegedi Tudományegyetem, a Semmelweis Egyetem II. sz. Szülészeti és Nőgyógyászati Klinika, a Gottsegen György Országos Kardiológiai Intézet, a Balatonfüredi Állami Szívkórház és a Bács-Kiskun Megyei Szent Kereszt Kórház (Kalocsa) munkatársai mutattak be. Négy külhonban dolgozó magyar kolléga absztraktja is bemutatásra került.

ÜLÉSELNÖKSÉG (8)

- Tóth Kálmán/Csanádi Zoltán: Revascularisation in stable coronary artery disease
- Ferdinándy Péter: Dissecting the secretome in the "omics" era
- Koller Ákos: Coronary no-reflow: from bench to bedside
- Koller Ákos: Endothelial function and the microcirculation
- Merkely Béla: The future therapy of heart failure: shall we find the answers in the crystal ball?
- Merkely Béla: Four decades of ICD therapy - Lessons and dilemmas
- Merkely Béla: Clinical Trial Update 2
- Maurovich-Horvat Pál: State of Cardiovascular Imaging in 2017

ELŐADÁSOK (7)

- Ferdinándy Péter: Multi-omics strategies to identify novel therapeutic targets for cardioprotection.
- Ferdinándy Péter: MircoRNSs in cardioprotection.
- Kutyifa Valentina: ICD - Sudden cardiac death prevention in the next decade
- Kutyifa Valentina: The role of an ICD in high-risk patients with relatively preserved left ventricular ejection fraction
- Maurovich-Horvat Pál: The intricate relationship of plaque, ischemia and prognosis: lessons from CT
- Merkely Béla: ICD utilization across Europe – Trends, inequalities and challenges. The EHRA White Book
- Merkely Béla: Legal aspects of disqualification recommendations for elite athletes with cardiovascular disease

POSZTER SZEKCIÓK (46 poszter)

Semmelweis Egyetem Városmajori Szív- és Érgyógyászati Klinika (26)

- **Csecs¹, C. Czibalmos¹, A. Toth¹, F.I. Suhai¹, Z. Dohy¹, M. Toth², Z. Pozsonyi³, A. Vereczkei³, B. Merkely¹, H. Vago¹, ¹Semmelweis University Heart Center - Budapest - Hungary, ²Semmelweis University, 2nd Department of Internal Medicine, Semmelweis University, Budapest, Hungary - Budapest - Hungary, ³Medical Center of Budapest, 3rd Department of Internal Medicine, Semmelweis University, Budapest, Hungary - Budapest – Hungary:**
Cardiac fingerprints of histiocytic infiltration - Common cardiac characteristics in a diverse, multisystemic histiocytic disease - Single center data over a 12-year period
- **C. Czibalmos¹, I. Csecs¹, A. Toth¹, F.I. Suhai¹, B. Horvath¹, Z. Dohy¹, L. Szabo¹, O. Kiss¹, N. Sydo¹, T. Simor², B. Merkely¹, H. Vago¹, ¹Semmelweis University Heart Center - Budapest - Hungary, ²University of Pecs Heart Institute - Pécs – Hungary:**

Overlapping features - Differentiation of arrhythmogenic right ventricular cardiomyopathy and athlete's heart using cardiac magnetic resonance imaging

- **A. Doronina¹, A. Kovacs¹, B. Lakatos¹, Z. Kantor¹, I. Edes¹, A. Kosztin¹, A. Abramov², B. Merkely¹, ¹Semmelweis University Heart Center - Budapest - Hungary, ²Peoples Friendship University of Russia (PFUR) - Moscow - Russian Federation:**

Gender differences in right ventricular function of athlete's heart

- **L.A. Geller¹, Z. Sallo¹, L. Molnar¹, T. Tahin¹, S.Z. Szilagyi¹, I. Osztheimer¹, E. Zima¹, A. Apor¹, A.I. Nagy¹, N. Szegedi¹, K.V. Nagy¹, B. Merkely¹, ¹Semmelweis University, Cardiovascular Center - Budapest – Hungary:**

10 years experience of the efficacy and safety of the transeptal endocardial left ventricular lead implantation - An alternative technique in special cases of failed cardiac resynchronization therapy

- **M. Karolyi¹, I. Kocsmar¹, M. Kolossvary¹, A. Bartykowszki¹, B. Merkely¹, P. Maurovich-Horvat¹, ¹Semmelweis University Heart and Vascular Center, MTA-SE Cardiovascular Imaging Research Group - Budapest – Hungary:**

Quantitative follow-up of cardiac allograft vasculopathy in heart transplanted patients using coronary CT angiography

- **M. Kolossvary¹, J. Karady¹, B. Szilveszter¹, P. Kitslaar², B. Merkely¹, P. Maurovich-Horvat¹, ¹Semmelweis University Heart Center, MTA-SE Lendulet Cardiovascular Imaging Research Group - Budapest - Hungary, ²Medis medical imaging systems bv - Leiden – Netherlands:**

Radiomic features of high risk coronary atherosclerotic plaques in coronary CT angiography

- **A. Kosztin¹, W. Schwertner¹, Z.S. Bojtar¹, A. Kovacs¹, E. Zima¹, L. Geller¹, V. Kutiyifa², B. Merkely², ¹Semmelweis University, Heart Center - Budapest - Hungary, ²University of Rochester, Cardiology Division - Rochester - United States of America:**

Long-term clinical outcome of patients after de novo vs. upgrade cardiac resynchronization therapy: a high volume, single center experience

- **A. Kosztin**¹, M. Vamos², D. Aradi¹, R. Schwertner¹, A. Kovacs¹, K.V. Nagy¹, E. Zima¹, L. Geller¹, G. Duray³, V. Kutyifa⁴, B. Merkely¹, **¹Semmelweis University, Heart Center - Budapest - Hungary**, ²JW Goethe University - Frankfurt am Main - Germany, ³Military Hospital, Department of Cardiology - Budapest - Hungary, ⁴University of Rochester, Cardiology Division - Rochester - United States of America:

De novo implantation vs. upgrade cardiac resynchronization therapy: a systematic review and meta-analysis

- **Kovacs**¹, M. Polos¹, A. Koszegi¹, I. Hartyanszky¹, T. Huttl¹, F.I. Suhai¹, B.K. Lakatos¹, E. Nemeth², B. Merkely¹, Z. Szabolcs¹, **¹Semmelweis University, Heart and Vascular Center - Budapest - Hungary**, ²Semmelweis University, Department of Anaesthesiology and Intensive Therapy - Budapest – Hungary:

Right ventricular failure due to acute thrombosis of the ascending aorta: successful treatment by right ventricular assist device

- **B.K. Lakatos**¹, Z. Toser², M. Tokodi¹, A. Assabiny¹, B. Sax¹, A. Kosztin¹, B. Merkely¹, A. Kovacs¹, **¹Semmelweis University Heart Center, Cardiovascular Imaging Group - Budapest - Hungary**, ²Eotvos Lorand University, Department of Software Technology and Methodology - Budapest – Hungary:

Late diastolic radial motion is the main determinant of right ventricular filling in heart transplant recipients

- **P. Maurovich-Horvat**¹, P.M. Donnelly², M. Kolossvary¹, J. Karady¹, P.A. Ball², S. Kelly², D. Fitzsimons², M.S. Spence², C. Celleng¹, T. Horvath³, B. Szilveszter¹, H.W. Van Es⁴, M.J. Swaans⁴, B. Merkely¹, **¹Semmelweis University, Heart and Vascular Center, MTA-SE Cardiovascular Imaging Research Group - Budapest - Hungary**, ²South Eastern Health and Social Care Trust - Belfast - United Kingdom, ³Budapest University of Technology and Economics - Budapest - Hungary, ⁴St Antonius Hospital - Nieuwegein – Netherlands:

Real world experience of novel on-site coronary CT derived fractional flow reserve algorithm for the assessment of intermediate stenoses

- **P. Maurovich-Horvat**¹, M. Kolossvary¹, A.L. Jermendy¹, J. Karady¹, Z.D. Drobni¹, A.D. Tarnoki², D.L. Tarnoki², B. Merkely¹, G. Jermendy³, **¹Semmelweis University, Heart and Vascular Center, MTA-SE Cardiovascular Imaging Research Group - Budapest - Hungary**, ²Semmelweis University, Department of Radiology and Oncotherapy - Budapest - Hungary, ³Bajcsy-Zsilinszky Hospital - Budapest – Hungary:

Genetic and environmental effects on eutopic and ectopic adipose tissue quantities: a classical twin study

- **B. Merkely**¹, P. Neuzil², G. Marinskis³, J.R. Groot⁴, A. Erglis⁵, T. Pezawas⁶, M. Voskuil⁷, M.R. Venegas⁸, T. Sturmberger⁹, I. Osztheimer¹, M. Crujisen⁴, A. Aidietis³, J. Petru², L. Geller¹, K.H. Kuck¹⁰, **¹Semmelweis University Heart Center - Budapest - Hungary**, **²Na Homolce Hospital - Prague - Czech Republic**, **³University Hospital Santariskiu Klinikos - Vilnius - Lithuania**, **⁴Academic Medical Center of Amsterdam - Amsterdam - Netherlands**, **⁵Paul Stradins Clinical University Hospital - Riga - Latvia**, **⁶Medical University of Vienna, AKH – Vienna, Cardiology Clinic - Vienna - Austria**, **⁷University Medical Center Utrecht - Utrecht - Netherlands**, **⁸Hospital Dr. Sόtero del Río - Santiago Chile - Chile**, **⁹Elisabethinen University Teaching Hospital - Linz - Austria**, **¹⁰Asklepios Clinic St. Georg - Hamburg – Germany**:

Long-term follow up of a pacemaker-mediated programmable hypertension control therapy

- **A.A. Molnar**¹, E. Gara¹, A. Nemes¹, M. Toth¹, S. Kiraly¹, M. Polos¹, B. Merkely¹, G. Foldes², **¹Semmelweis University, Heart and Vascular Center - Budapest - Hungary**, **²Imperial College London, National Heart and Lung Institute - London - United Kingdom**:

Human pluripotent stem cells-derived endothelial cells for vascular tissue engineering

- **A.A. Molnar**¹, A. Kovacs¹, M. Kolossvary¹, B. Lakatos¹, A.D. Tarnoki², D.L. Tarnoki², P. Maurovich-Horvat¹, G. Jermendy³, P. Sengupta⁴, B. Merkely¹, **¹Semmelweis University, Heart and Vascular Center - Budapest - Hungary**, **²Semmelweis University, Department of Radiology and Oncotherapy - Budapest - Hungary**, **³Bajcsy-Zsilinszky Hospital, 3rd Department of Internal Medicine - Budapest - Hungary**, **⁴Mount Sinai School of Medicine, Zena and Michael A Wiener Cardiovascular Institute - New York - United States of America**:

Common genetic background of left ventricular global longitudinal strain and diastolic function: new insights into the understanding of heart failure with preserved ejection fraction?

- **K.V. Nagy**¹, N. Szegedi¹, G. Szeplaki¹, T. Tahin¹, I. Osztheimer¹, S. Herczeg¹, Z. Sallo¹, B. Merkely¹, L. Geller¹, **¹Semmelweis University, Heart and Vascular Center - Budapest – Hungary**:

Predictors of long-term mortality in patients undergoing ischaemic or non-ischaemic ventricular tachycardia ablation

- **B.T. Nemeth¹, C. Matyas¹, Z.V. Varga², T. Radovits¹, B. Merkely¹, P. Pacher², ¹Semmelweis University Heart Center - Budapest - Hungary, ²National Institutes of Health, National Institute on Alcohol Abuse and Alcoholism - Rockville, MD - United States of America:**

Characterization of a novel mouse model of hepatic cardiomyopathy

- **Olah¹, B. Bodi², J. Tamas², M. Torok¹, C. Matyas¹, A.A. Sayour¹, E. Urban¹, D. Kellermayer¹, M. Ruppert¹, B. Barta¹, K. Stark¹, B. Merkely¹, Z. Papp², T. Radovits¹, ¹Semmelweis University, Heart and Vascular Center - Budapest - Hungary, ²University of Debrecen, Department of Cardiology, Division of Clinical Physiology - Debrecen – Hungary:**

Characterization of myocardial sarcomerodynamics and myocardial sarcomeric protein alterations in a rodent model of athlete's heart

- **B.K. Lakatos¹, A. Kovacs¹, A. Olah¹, A. Lux¹, C.S. Matyas¹, B.T. Nemeth¹, D. Kellermayer¹, L. Szabo¹, S.Z. Braun¹, B. Merkely¹, T. Radovits¹, ¹Semmelweis University Heart Center, Cardiovascular Imaging Group - Budapest – Hungary:**

Regular physical exercise to prevent age-related decline of diastolic function

- **T. Radovits¹, A. Olah¹, C. Matyas¹, B.T. Nemeth¹, M. Ruppert¹, T.I. Orban², A. Apati², B. Sarkadi², B. Merkely¹, ¹Semmelweis University, Heart and Vascular Center - Budapest - Hungary, ²Hungarian Academy of Sciences, Research Centre for Natural Sciences, Institute of Enzymology - Budapest – Hungary:**

Hemodynamic characterization of a transgenic rat strain stably expressing the calcium sensor protein GCaMP2

- **Z. Ruzsa¹, K. Bihari², E. Palinkas², S. Nardai¹, B. Nemes¹, B. Merkely¹, ¹Semmelweis University, Heart Center - Budapest - Hungary, ²County Hospital of Kecskemet - Kecskemet – Hungary:**

Transradial carotid artery stenting using mesh stents in acute carotid syndrome

- **Z. Ruzsa¹, Z. Vamosi², G.Y. Barczi¹, K. Toth², N. Kovacs², E. Zima¹, D. Becker¹, B. Merkely¹, ¹Semmelweis University, Heart Center - Budapest - Hungary, ²County Hospital of Kecskemet - Kecskemet – Hungary:**

Catheter directed thrombolysis and mechanical thrombectomy in submassive pulmonary embolism

- **Z. Ruzsa¹**, B. Nemes¹, I. Ungi², J. Toth³, A. Katona², A. Huttli¹, B. Olivier⁴, B. Merkely¹, **¹Semmelweis University, Heart Center - Budapest - Hungary**, ²University of Szeged - Szeged - Hungary, ³County Hospital of Kecskemet - Kecskemet - Hungary, ⁴Quebec Heart and Lung Institute - Quebec – Canada:

Invasive treatment of the critical hand ischaemia: long term results

- **N. Sydo¹**, T. Sydo², K. Gonzalez Carta³, J.G. Murphy³, B. Merkely¹, F. Lopez-Jimenez³, T.G. Allison³, **¹Semmelweis University Heart Center - Budapest - Hungary**, ²Csolnoky Ferenc Hospital, Cardiology - Veszprem - Hungary, ³Mayo Clinic - Rochester - United States of America:

Prognostic impact of heart rate recovery in chronic heart disease

- **Z. Pap¹**, B. Sax¹, A. Assabiny¹, K. Racz², E. Nemeth², A. Kiraly¹, D. Becker¹, K. Monostory³, B. Merkely¹, **¹Semmelweis University Heart Center - Budapest - Hungary**, ²Semmelweis University, Department of Anesthesiology and Intensive Care - Budapest - Hungary, ³Hungarian Academy of Sciences - Budapest – Hungary:

Investigation of tacrolimus metabolism through CYP3A enzymes after cardiac transplantation

- **H. Vago¹**, I. Csecs¹, C. Czibalmos¹, A. Toth¹, O. Kiss¹, Z. Komka¹, G. Barczy¹, T. Kovats¹, F.I. Suhai¹, N. Sydo¹, T. Simor², L. Geller¹, D. Becker¹, B. Merkely¹, **¹Heart Center Semmelweis University - Budapest - Hungary**, ²Heart Institute, Faculty of Medicine, University of Pecs - Pecs – Hungary:

Athlete's heart or structural heart disease? - First Hungarian Structural Heart Disease and Aborted Sudden Cardiac Death Magnetic Resonance Registry in Athletes

Pécsi Tudományegyetem (6)

- **Cziraki¹**, E. Hidvegi², R. Bocskei², A. Nemeth¹, Z. Lenkey¹, R. Husznai¹, S. Szabados¹, B. Gaszner¹, M. Illyes¹, **¹Heart Institute, University of Pecs - Pecs - Hungary**, ²Zala County Hospital, Department of Cardiac Surgery - Zalaegerszeg – Hungary:

A decade of testing arterial stiffness parameters: key results and insights

- **L. Deres¹, K. Szabadfi², K. Eros³, M. Wilhelm⁴, C.S. Cseko⁵, J. Matuz⁵, S. Farkas⁵, R. Gabriel², K. Toth¹, R. Halmosi¹, ¹University of Pecs, Medical School, 1st Department of Medicine - Pecs - Hungary, ²University of Pecs, Department of experimental zoology and neurobiology - Pecs - Hungary, ³University of Pecs, Medical School, Department of Biochemistry and Medical Chemistry - Pecs - Hungary, ⁴University of Pecs, Institute of Sport Sciences and Physical Education - Pecs - Hungary, ⁵Gedeon Richter Plc. - Budapest – Hungary:**

Progression of vascular changing and hypertensive retinopathy during bradykinin B1 receptor antagonist treatment in SHR rats

- **Komocsi¹, M. Simon¹, A. Janosi², ¹University of Pecs, Heart Centre - Pécs - Hungary, ²Gottsegen Gyorgy Hungarian Institute of Cardiology - Budapest – Hungary:**

Gender difference in mortality after acute myocardial infarction. Does later call for help in women define survival?

- **A.B. Nogradi¹, A. Porpaczy¹, F. Molnar¹, T. Minier², L. Czirjak², A. Komocsi¹, R. Faludi¹, ¹Heart Institute of PTE - Pecs - Hungary, ²Department of Rheumatology and Immunology, PTE - Pécs – Hungary:**

Speckle tracking derived right atrial strain parameters show strong correlation with phasic volume indices in systemic sclerosis patients

- **Pandur¹, B. Banfai¹, B. Radnai¹, J. Betlehem¹, ¹University of Pecs, Institute of Emergency Care and Pedagogy of Health - Pecs – Hungary:**

Are the risk stratification's methods effective to diagnose pulmonary embolism in patients with heart failure?

- **Porpaczy¹, A.B. Nogradi¹, N. Varga¹, T. Minier², L. Czirjak², A. Komocsi¹, R. Faludi¹, ¹University of Pecs, Heart Institute - Pecs - Hungary, ²University of Pecs, Department of Rheumatology and Immunology - Pecs – Hungary:**

Left atrial stiffness is a robust predictor of the elevated NT-proBNP levels in systemic sclerosis patients with preserved left ventricular ejection fraction

Szent Imre Kórház (2)

- **K. Farkas¹, E. Kolossvary¹, Z. Jarai¹, A. Paksy², I. Kiss¹, ¹St. Imre Teaching Hospital - Budapest - Hungary, ²Hungarian Society of Hypertension - Budapest – Hungary:**

Mortality rates in hypertensive subjects with peripheral arterial disease: detection of a J-curve phenomenon

- **G. Simonyi¹, T. Ferenczi², M. Medvegy³, E. Finta⁴, ¹St. Imre University Teaching Hospital, Metabolic Center - Budapest - Hungary, ²Obuda University, John von Neumann Faculty of Informatics, Physiologic Controls Group, - Budapest - Hungary, ³Flor Ferenc Hospital of County Pest, Cardiology - Kistarcsa - Hungary, ⁴St. Imre University Teaching Hospital, VIP Department - Budapest – Hungary:**

Which is the best choice? One year persistence of ramipril, ramipril/amlodipin free and fixed dose combination therapy in hypertension

Csongrád Megyei Egészségügyi Ellátóközpont, Hódmezővásárhely (2)

- **Palinkas¹, A. Katona², A. Varga², I. Ungi², K. Kakonyi², R. Sepp², A. Thury², E. Palinkas², A. Kallai¹, B. Nyuzo³, I. Csaszar¹, ¹Health Care Center of Csongrad County, Internal Medicine Department - Hodmezovasarhely - Hungary, ²University of Szeged, 2nd Department of Internal Medicine and Cardiology Center - Szeged - Hungary, ³Hospital of Bacs-Kiskun County, Internal Medicine - Kiskunfelegyhaza – Hungary:**

Effect of chronic total occlusion of right coronary artery on the flow velocity profile of left anterior descending coronary artery

- **Palinkas¹, V. Nagy², A. Varga², I. Csaszar¹, A. Kallai¹, E. Palinkas², T. Forster², K. Kakonyi², G. Agoston², R. Sepp², ¹Health Care Center of Csongrad County, Internal Medicine Department - Hodmezovasarhely - Hungary, ²University of Szeged, 2nd Department of Internal Medicine and Cardiology Center - Szeged – Hungary:**

Paradoxical hemodynamic response in patients hypertrophic cardiomyopathy evaluated by supine bicycle stress echocardiography

Debreceni Egyetem (1)

- **M. Lodi¹, D. Priksz², G.A. Fulop¹, J. Kocsis³, I. Edes⁴, I. Czuriga⁴, Z. Kisvarday⁵, B. Juhasz², A. Toth¹, Z. Papp¹, D. Czuriga⁴, ¹University of Debrecen, Division of Clinical Physiology - Debrecen - Hungary, ²University of Debrecen, Faculty of Medicine, Institute of Pharmacology and Pharmacotherapy - Debrecen - Hungary, ³University of Debrecen, Faculty of Medicine, Institute of Oncology - Debrecen - Hungary, ⁴University of Debrecen Medical Center, Institute of Cardiology - Debrecen - Hungary, ⁵University of Debrecen, Faculty of Medicine, Department of Anatomy, Histology and Embryology - Debrecen – Hungary:**

Early, combined heart failure therapy attenuates doxorubicin cardiomyopathy in rats

Szegedi Tudományegyetem (1)

- **G. Agoston¹, Z.S. Besenyi², R. Hemelein³, A. Palinkas⁴, L. Kovacs³, L. Pavics², A. Varga¹, ¹University of Szeged, Dept. of Family Medicine - Szeged - Hungary, ²University of Szeged, Dept. of Nuclear Medicine - Szeged - Hungary, ³University of Szeged, Dept. of Rheumatology and Immunology - Szeged - Hungary, ⁴University of Szeged, Csongrad County Hospital, Hodmezovasarhely - Szeged – Hungary:**

Detection of myocardial involvement in patients with systemic sclerosis by cardiac 18F-FDG PET/CT and speckle tracking echocardiography

Semmelweis Egyetem II. sz. Szülészeti és Nőgyógyászati Klinika (1)

- **P. Merkely¹, G.Y. Nadasy², M. Bakos¹, M. Torok¹, N. Sydo³, T. Radovits³, B. Merkely³, N. Acs¹, S.Z. Varbiro¹, ¹Semmelweis University, II. Department of Obstetrics and Gynecology - Budapest - Hungary, ²Semmelweis University, Semmelweis University, Institute of Clinical Experimental Research - Budapest - Hungary, ³Semmelweis University, Semmelweis University, Heart and Vascular Center - Budapest – Hungary:**

Gender differences in cardiovascular exercise adaptation in a rat model

Gottsegen György Országos Kardiológiai Intézet (1)

- **Janosi¹, P. Ofner¹, T. Ferenci², ¹Gottsegen Gyorgy Hungarian Institute of Cardiology - Budapest - Hungary, ²Obuda University, John von Neumann Faculty of Informatics, Physiological Controls Group - Budapest – Hungary:**

Treatments and outcomes of myocardial infarction patients with ST elevation versus new or probably new left bundle branch block

Balatonfüredi Állami Szívkórház (1)

- **G. Fogarassy¹, A. Vathy-Fogarassy², L. Hornyak³, T. Forster⁴, ¹Balatonfured State Cardiology Hospital - Balatonfured - Hungary, ²University of Pannonia, Department of Computer Science and System Technology - Veszprem - Hungary, ³Ferenc Csolnoky Hospital, Oncology Centre - Veszprem - Hungary, ⁴University of Szeged, Second Department of Internal Medicine and Cardiology Centre - Szeged – Hungary:**

Risk factors for heart failure after doxorubicin chemotherapy for breast- or colorectal cancer

Bács-Kiskun Megyei Szent Kereszt Kórház, Kalocsa (1)

- **Dezso Gelleri¹, Laszlo Lenard², D.R. Gyula Feke¹, ¹Bacs-Kiskun County Teaching Szent Kereszt Hospital of Szeged, Department of Cardiac Rehabilitation - Kalocsa - Hungary, ²Heart Institute - Pécs – Hungary:**

Long-term follow-up of patients with rheumatic heart disease: a 41-year prospective and retrospective study between 1975 and 2016

Külföldön élő magyarok (4)

- **Z. Drobni¹, C. Costache¹, P. Walker-Smith¹, A. Parry¹, S. Stoica¹, M. Caputo¹, R. Tulloh¹, ¹University Hospitals Bristol NHS Foundation Trust, Bristol Royal Hospital for Children - Bristol - United Kingdom:**

Improved outcome in critical congenital heart disease by use of alternative to palliative arterial shunts

- **Z.D. Drobni¹, A.G. Dastidar², J.C. Rodrigues², T.W. Johnson², E. De Garate², P. Singhal², A.G. Baritussio², A.G. Scatteia², J.C. Strange², A.K. Nightingale², A.K. Baumbach², V. Delgado³, C. Bucciarelli-Ducci², ¹Semmelweis University Heart Center, MTA-SE Lendulet Cardiovascular Imaging Research Group - Budapest - Hungary, ²Bristol Heart Institute, NIHR Bristol Cardiovascular Biomedical Research Unit - Bristol - United Kingdom, ³Leiden University Medical Center, Department of Cardiology - Leiden – Netherlands:**

The role of CMR versus conventional diagnostic markers in myocardial infarction with non-obstructed coronary arteries (MINOCA)

- **V. Kutlyifa¹, J. Rice¹, R. Jones¹, A. Mathias¹, A. Yoruk¹, K. Vermilye¹, B. Johnson¹, R. Strawderman¹, C. Lowenstein¹, ¹University of Rochester Medical Center, Cardiology Division - Rochester - United States of America:**

Impact of non-cardiovascular disease burden on thirty-day hospital readmission in heart failure patients

- **V. Kutlyifa¹, K. Vermilye¹, U. Daimee¹, S. McNitt¹, H. Klein¹, A. Moss¹, I. Goldenberg¹, ¹University of Rochester Medical Center, Cardiology Division - Rochester - United States of America:**

Extended wearable cardioverter defibrillator use in patients at-risk for sudden death