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Curriculum Vitae

Personal:

Name:	Attila Tóth MD
Born:	Szolnok, Hungary, 15-OCT-1977
Family status:	Single

Educations:

1992-1996:	Trefort Ágoston ELTE Highschool, Faculty of Biology
1996-2002:	Semmelweis University, Faculty of General Medicines, Budapest, Hungary
2002:	Hungarian Doctor of Medicine
2008:	Hungarian Board Certification in Radiology

Language Skills:

English:	Hungarian State Language Exam, Middle level
German:	University Language Exam, Basic level

Workplaces:

2002-2004:	Semmelweis University, Resident in Radiology
2004-2008:	Semmelweis University, Cardiovascular Surgery, Radiologist in Training
2008-	Semmelweis University, Heart- and Vascular Center, Radiologist
2021-	Gottsegen György Hungarian Institute of Cardiology, Radiologist

Memberships:

2002-	Hungarian Society of Radiology – Magyar Radiológusok Társasága (MRT)
2002-	Society for Cardiovascular Magnetic Resonance (SCMR)
2004-	ESC's (European Society of Cardiology) CMR Working Group (ESC CMRWG)
2006-	Hungarian Society of Cardiology – Magyar Kardiológusok Társasága (MKT)
2014-	ESC EACVI CMR Working Group
2018-	International Society of Magnetic Resonance in Medicine (ISMRM)

Certifications:

2005	Euro-CMR Exam
2015-	EACVI CMR Level 3 Grandfathership
2018	EACVI CMR CHD Exam
2021-	EACVI CMR CHD Level 3

Fields of interest:

Medical:	Cardiac MR (all clinical aspects, with emphasis on congenital heart disease – both pediatric and adult), MR imaging of patients with pacemakers/ICDs, MR physics (pulse programming, technical aspects), cardiovascular CT, vascular MR
Other:	IT security & operating system hardening (Gentoo Hardened, Grsecurity beta tester, RBAC), network hardening (packet filters, email integrity), high availability, HIS/RIS (HL7), PACS/DICOM (AGFA advanced user training participant)

Scientific IDs:

ORCiD	https://orcid.org/0000-0002-4081-7168
Publons	https://publons.com/researcher/3581944
Google ScholarID	https://scholar.google.com/citations?user=OCD9wTQAAAAJ
ResearcherID	http://www.researcherid.com/rid/AAM-1031-2020
Researchgate	https://www.researchgate.net/profile/Attila_Toth4
MTMT	https://m2.mtmt.hu/api/author/10022862

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Other Skills:

Computer: *NIX system setup and maintenance (Compaq, IBM, Sun, SGI), *NIX and UNIX-like operating systems (Gentoo Hardened, Debian, Solaris, IRIX), stack smashing protection (PaX, PIE/SSP, ProPolice), mandatory and role based access control systems (Grsecurity beta tester, RSBAC, SELinux), web servers, proxy servers (Squid, Privoxy), webmail (Sendmail, Dovecot, Postfix, Squirrelmail), spam filtering (Spamassassin), smtp auth (SASL), email integrity (SPF, DKIM, DMARC), php applications (dadabik, phpscheduleit/booked, CMS tiki(wiki), nextcloud), packet filtering (netfilter/iptables/nftables), QoS (traffic shaping), dialin server, databse server (MySQL, MariaDB). Programming skills: C, Assembly, PHP, C++, scripting (bash, awk, python, perl), pulse programming: GOAL-C/C++, PRIDE/IDL

Student Research:

1998-2001: Semmelweis University, Department of Physilogy
Leader: Judit Makara; Prof András Spät
Topics: Patch-clamp, Single cell flourimetry

Research:

Cell volume regulation, calcium and chloride channels, astrocytes, adrenal cells

Methods:

Cell culture:	cortical astrocytes, adrenal glomerulosa cells
Patch-clamp:	whole cell, perforated patch
Fluorescence measurements:	single cell pH and calcium

Book chapters:

Cardiac and Vascular Tumors
Malguria N, Toth A, Abbara S
Problem Solving in Chest Imaging, 471-499 (2019)
Digumarthy SR, Abbara S, Chung JH (editors)

[Cardiac tumors] Hungarian
Toth A, Vago H
Cardiac and vascular care 1-2., 555-556 (2020)
Merkely B, Becker D (editors)

[Stress exams] Hungarian
Kiss O, Szucs A, Toth A
Cardiac and vascular care 1-2., 189-204 (2020)
Merkely B, Becker D (editors)

[Vascular diagnostics: Magnetic resonance imaging] Hungarian
Toth A
Basics of vascular Medicine, 117-126 (2021)
Sotonyi P, Jarai Z, Menyhei G, Nemes B, Olah Z (editors)

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Scientific Papers:

Effects of osmolarity on aldosterone production by rat adrenal glomerulosa cells
Makara JK, Petheo GL, Toth A, Spät A
Endocrinology 141(5): 1705-1710 (2000)
https://doi.org/10.1210/endo.141.5.7465

pH-sensitive inwardly rectifying chloride current in cultured rat cortical astrocytes
Makara JK, Petheo GL, Toth A, Spät A
Glia 34(1): 52-58 (2001)
https://doi.org/10.1002/glia.1039

[Cardiac Magnetic Resonance in the Diagnosis of Congenital Heart Disease] Hungarian
Kadar K, Simor T, Toth L, Gyarmati G, Toth A, Repa I
Orv Hetil 146(36): 1863-1868 (2005)
https://doi.org/10.1556/650.2005.09.04

Erdheim-Chester's Disease of the Heart: A Diagnostic Conundrum and Collision with the Same Mass in the Orbit
Bogats GB, Piros G, Tiszlavicz L, Ivanyi B, Sasi V, Sasi V, Simon J, Babik B, Csillik A, Kardos L, Palko A, Matin K, Hanzely Z, Koranyi K, Nyary I, Vegh M, Kolozsvari L, Kahan Z, Bajcsay A, Toth A, Balazs G, Simor T, Pavics L, Palotas A
Heart Surg Forum. 9(1): E549-E554 (2006)
https://doi.org/10.1532/HSF98.20051109

[Experiences with the first, Hungarian autologous bone marrow cell transplantation in acute myocardial infarction] Hungarian
Vertesaljai M, Piroth Z, Fontos G, Toth A, Simor T, Lueff S, Remenyi P, Reti M, Masszi T, Andreka P
Orv Hetil 147(1): 3-6 (2006)
https://doi.org/10.1556/650.2006.01.08

[New diagnostic methods of sarcoidosis in Hungary: labial biopsy and cardiac MRI] Hungarian
Kullmann T, Simor T, Toth L, Toth A, Kerenyi A, Barath Z, Csiszer E
Orv Hetil 147(7): 315-320 (2006)
https://pubmed.ncbi.nlm.nih.gov/17489159/

[Utility of B-type natriuretic peptide in children] Hungarian
Kadar K, Nagy E, Gal K, Oprea V, Hartyanszky I, Gyarmati G, Toth A, Sikos Z
Orv Hetil 148(6): 265-270 (2007)
https://doi.org/10.1556/oh.2007.27895

[A simple surgical method for removing a large floating thrombus from the ascending aorta] Hungarian
Szabolcs Z, Veres G, Huttl T, Biro G, Toth A, Szeberin Z, Windisch M, Acsady G
Orv Hetil 148(8): 363-366 (2007)
https://doi.org/10.1556/oh.2007.27975

Pulmonary vein isolation without left atrial mapping
Kardos A, Foldesi C, Ladunga K, Toth A, Szili-Torok T.
Indian Pacing Electrophysiol J. 7(3): 142-147 (2007)
https://www.ncbi.nlm.nih.gov/pubmed/17684572

[Cardiovascularis CT és MR diagnosztika gyermekkorban] Hungarian
Balazs Gy, Toth A
Érbetegségek 14(1): 35-43 (2007)
http://erbetegsegek.com/?p=archivum&szam=20

[Intracardiac echocardiography-guided cardiac tumor mass biopsy] Hungarian
Kutyifa V, Merkely B, Pozsonyi Z, Hosszu K, Szilagyi S, Balazs G, Toth A, Sarman P, Geller L
Orv Hetil 149(39): 1857-1859 (2008)
https://doi.org/10.1556/oh.2008.28459

[Autologous bone marrow stem cell treatment of acut myocardial infarct] Hungarian
Vertesaljai M, Piroth Zs, Fontos G, Toth A, Simor T, Andreka P, Lueff S, Reti M, Masszi T
Magyar Orvos 17(3): 39-42 (2009)

[Cardiac magnetic resonance in the inflammatory diseases of the heart] Hungarian
Vágó H, Tóth A
Orvosképzés 84(2): 87-92 (2009)
https://www.semmelweiskiado.hu/termek/1205/orvoskepzes

[Cardiac CT and magnetic resonance imaging in the work-up of athletes] Hungarian
Szelid Zs, Vago H, Toth A, Kerecsen G, Merkely B
Kardiológus 9(1): 5-14 (2010)

[Noncompacted cardiomyopathy in infants and children. Clinical findings and diagnostic techniques] Hungarian
Kadar K, Toth A, Toth L, Simor T.
Orv Hetil 151(16): 659-564 (2010)
https://doi.org/10.1556/oh.2010.28734

Hemochromatosis and Hemojuvelin G320V Homozygosity in a Hungarian Woman
Varkonyi J, Lueff S, Szucs N, Pozsonyi Z, Toth A, Karadi I, Pietrangelo A
Acta Haematol. 123(3): 191-193 (2010)
https://doi.org/10.1159/000297214

Successful surgical restoration of a giant immature left ventricular aneurysm with computer assisted ventricle engineering
Hartyanszky I, Toth A, Veres G, Berta B, Zima E, Szabolcs Z, Acsady Gy, Merkely B, Horkay F
Interv Med Appl Sci. 2(2): 66-69 (2010)
https://doi.org/10.1556/imas.2.2010.2.4

Cardiac contusion in a professional soccer player: visualization of acute and late pathological changes in the myocardium with magnetic resonance imaging
Vago H, Toth A, Apor A, Maurovich-Horvat P, Toth M, Merkely B
Circulation. 121(22): 2456-2461 (2010)
https://doi.org/10.1161/CIRCULATIONAHA.109.917724

The role of cardiovascular magnetic resonance imaging in cardiac resynchronisation therapy
Vago H, Takacs P, Toth A, Geller L, Szilagyi Sz, Molnar L, Kutyifa V, Simor T, Merkely B
Interv Med Appl Sci. 2(3): 110-114 (2010)
https://doi.org/10.1556/imas.2.2010.3.4

Differentiation of acute and four-week old myocardial infarct with Gd(ABE-DTTA)-enhanced CMR
Kirschner R, Toth L, Varga-Szemes A, Simor T, Suranyi P, Kiss P, Ruzsics B, Toth A, Baker R, Brott BC, Litovsky S, Elgavish A, Elgavish GA
J Cardiovasc Magn Reson. 12:22 (2010)
https://doi.org/10.1186/1532-429X-12-22

Percent infarct mapping for delayed contrast enhancement magnetic resonance imaging to quantify myocardial viability by Gd(DTPA)
Simor T, Suranyi P, Ruzsics B, Toth A, Toth L, Kiss P, Brott BC, Varga-Szemes A, Elgavish A, Elgavish GA
J Magn Reson Imaging. 32(4): 859-868 (2010)
https://doi.org/10.1002/jmri.22296

Severe Mitral Regurgitation and Heart Failure due to Caseous Calcification of the Mitral Annulus
Pozsonyi Z, Toth A, Vagó H, Adam Z, Apor A, Alotti N, Sarman P, Merkely B, Karadi I
Cardiology. 118(2): 79-82 (2011)
https://doi.org/10.1159/000326850

Cardiac magnetic resonance imaging in children with chronic kidney disease and renal transplantation
Schaefer B, Rusai K, Toth A, Pasti K, Ujszaszi A, Kreko M, Horvath E, Sallay P, Reusz G, Merkely B, Tulassay T, Szabo A
Pediatric Transplantation 16(4): 350-356 (2012)
https://doi.org/10.1111/j.1399-3046.2012.01672.x

[Right ventricular outflow tract reconstruction in adolescents and adults after previous repair of congenital heart defects] Hungarian
Hartyanszky I, Szekely L, Szudi L, Mihalyi S, Kadar K, Temesvari A, Balint H, Szatmari A, Toth A
Orvosi Hetilap 153(31): 1219-1224 (2012)
https://doi.org/10.1556/oh.2012.29428

[The role of Ross procedure in the management of congenital heart defects] Hungarian
Hartyanszky I, Kollar A, Kadar K, Ablonczy L, Novak E, Toth A
Orv Hetil 154(6): 219-224 (2013)
https://doi.org/10.1556/oh.2013.29544

Impact of the Advisa MRI™ Pacing System on the diagnostic quality of cardiac MR images and contraction patterns of cardiac muscle during scans: Advisa MRI randomized clinical multicenter study results
Schwitter J, Kanal E, Schmitt M, Anselme F, Albert T, Hayes DL, Bello D, Tóth A, Chang Y, van Osch D, Sommer T
Heart Rhythm 10:864–872 (2013)
https://doi.org/10.1016/j.hrthm.2013.02.019

Left Ventricular Untwisting in Athlete's Heart: Key Role in Early Diastolic Filling?
Kovacs A, Apor A, Vago H, Toth A, Nagy AI, Kovats T, Sax B, Szeplaki G, Becker D, Merkely B
International Journal of Sports Medicine 35(3): 259-264 (2014)
https://doi.org/10.1055/s-0033-1349076

Impaired baroreflex function is related to reduced carotid artery elasticity in patients with tetralogy of Fallot
Pinter A, Horvath T, Toth A, Kadar K, Kollai M
Auton Neurosci 183: 94-99 (2014)
https://doi.org/10.1016/j.autneu.2014.02.006

Personalized surgical repair of left ventricular aneurysm with computer-assisted ventricular engineering
Hartyánszky I, Tóth A, Berta B, Pólos M, Veres G, Merkely B, Szabolcs Z and Pepper J
Interact CardioVasc Thorac Surg 19(5): 801-806 (2014)
https://doi.org/10.1093/icvts/ivu219

Differential diagnosis of ST-elevation myocardial infarction without culprit lesion using cardiac magnetic resonance imaging
Vágó H, Tóth A, Czimbalmos Cs, Suhai FI, Kecskés K, Heltai K, Zima E, Bárczi Gy, Simor T, Becker D, Merkely B
Cardiologia Hungarica, 44:300-305 (2014)

Diastolic function alteration mechanisms in physiologic hypertrophy versus pathologic hypertrophy are elucidated by model-based Doppler E-wave analysis
Zhu S, Morrell T, Apor A, Merkely B, Vago H, Toth A, Ghosh E, Kovacs SJ
J Exerc Sci Fit 12(2): 88-95 (2014)
https://doi.org/10.1016/j.jesf.2014.10.001

Right Ventricular Adaptation Is Associated with the Glu298Asp Variant of the NOS3 Gene in Elite Athletes
Szelid Z, Lux A, Kolossvary M, Toth A, Vago H, Lendvai Z, Kiss L, Maurovich-Horvat P, Bagyura Z, Merkely B
PLOS ONE 10:(10) e0141680 (2015)
https://doi.org/10.1371/journal.pone.0141680

Danon disease: a rare cause of left ventricular hypertrophy with cardiac magnetic resonance follow-up
Vago H, Somloi M, Toth A, Merkely B
European Heart Journal 37(21):1703 (2016)
https://doi.org/10.1093/eurheartj/ehv332

Respiratory gating algorithm helps to reconstruct more accurate electroanatomical maps during atrial fibrillation ablation performed under spontaneous respiration
Szeplaki G, Geller L, Ozcan EE, Tahin T, Kovacs OM, Parazs N, Karady J, Maurovich-Horvat P, Szilagyi S, Osztheimer I, Toth A, Merkely B
Journal of Interventional Cardiac Electrophysiology 46(2):153-159 (2016)
https://doi.org/10.1007/s10840-016-0105-x

Coronary Artery Manifestation of Ormond Disease: The “Mistletoe Sign”
Maurovich-Horvat P, Suhai FI, Czimbalmos Cs, Toth A, Becker D, Kiss E, Ferencik M, Hoffmann U, Vago H, Merkely B
Radiology 282(2):356-360 (2017)
https://doi.org/10.1148/radiol.2016160644

Uncommon presentation of a rare tumour - incidental finding in an asymptomatic patient: case report and comprehensive review of the literature on intrapericardial solitary fibrous tumours
Czimbalmos Cs, Csecs I, Polos M, Bartha E, Szucs N, Toth A, Maurovich-Horvat P, Becker D, Sapi Z, Szabolcs Z, Merkely B, Vago H
BMC Cancer 17(1):612 (2017)
https://doi.org/10.1186/s12885-017-3574-0

Next-generation Sequencing in the Clinical Decision Making in Hypertrophic Cardiomyopathy
Horvath VJ, Arvai K, Kosa JP, Balla B, Tobias B, Kirschner Gy, Putz Zs, Nagy Zs, Takacs I, Kornyei L, Vago H, Toth A, Liko I, Fekete Gy, Merkely B and Lakatos P
J Next Generation Sequencing & Applications 4(1):1000145 (2017)
https://doi.org/10.4172/2469-9853.1000145

Left and right ventricular parameters corrected with threshold-based quantification method in a normal cohort analyzed by three independent observers with various training-degree
Csecs I, Czimbalmos C, Suhai FI, Mikle R, Mirzahosseini A, Dohy Zs, Szucs A, Kiss AR, Simor T, Toth A, Merkely B, Vago H
Int J Cardiovasc Imaging 34(7):1127-1133 (2018)
https://doi.org/10.1007/s10554-018-1322-4

Nitric oxide for inhalation in ST-elevation myocardial infarction (NOMI): a multicentre, double-blind, randomized controlled trial
Janssens SP, Bogaert J, Zalewski J, Toth A, Adriaenssens T, Belmans A, Bennett J, Claus P, Desmet W, Dubois C, Goetschalckx K, Sinnaeve P, Vandenberghe K, Vermeersch P, Lux A, Szelid Zs, Durak m, Lech P, Zmudka K, Pokreisz P, Vranckx P, Merkely B, Bloch KD, Van de Werf F, for the NOMI investigators
Eur Heart J 39:2717-2725 (2018)
https://doi.org/10.1093/eurheartj/ehy232

[Cardiac magetic resonance characteristics of ST-segment elevation myocardial infarction in the acute phase and during long-term follow up – prognostic role of microvascular obstruction] Hungarian
Czimbalmos Cs, Csecs I, Toth A, Suhai FI, Dohy Zs, Szabó LE, Barczi Gy, Zima E, Becker D, Merkely B, Vago H
Cardiologia Hungarica 48(5):308-316 (2018)
https://doi.org/10.26430/CHUNGARICA.2018.48.5.308

The demanding grey zone: Sport indices by cardiac magnetic resonance imaging differentiate hypertrophic cardiomyopathy from athlete's heart
Czimbalmos Cs, Csecs I, Toth A, Kiss O, Suhai FI, Sydo N, Dohy Zs, Apor A, Merkely B, Vago H
PLOS ONE 14(2): e0211624 (2019)
https://doi.org/10.1371/journal.pone.0211624

Cardiac magnetic resonance based deformation imaging: role of feature tracking in athletes with suspected arrhythmogenic right ventricular cardiomyopathy
Czimbalmos Cs, Csecs I, Dohy Zs, Toth A, Suhai FI, Müssigbrodt A, Kiss O, Geller L, Merkely B, Vago H
Int J Cardiovasc Imaging 35:529-538 (2019)
https://doi.org/10.1007/s10554-018-1478-y

The effect of contrast agents on left ventricular parameters calculated by a threshold-based software module: does it truly matter?
Szucs A, Kiss AR, Suhai FI, Toth A, Gregor Zs, Horvath M, Czimbalmos Cs, Csecs I, Dohy Zs, Szabo LE, Merkely B, Vago H
Int J Cardiovasc Imaging 35:1683-1689 (2019)
https://doi.org/10.1007/s10554-019-01587-9

[Active devices during magnetic resonance imaging – Consensus Statement of the Hungarian Arrhythmia and Pacemaker and the Cardiac MR Workgroups of the Hungarian Society of Cardiology] Hungarian
Szilagyi J, Makai A, Clemens M, Nagy Balo E, Foldesi Cs, Harmati G, Zima E, Simor T, Toth A, Geller L, Merkely B, Vago H, Saghy L
Cardiologia Hungarica 49(2):76-80 (2019)
https://doi.org/10.26430/CHUNGARICA.2019.49.2.76

Biventricular pacing during cardiac magnetic resonance imaging
Vago H, Czimbalmos Cs, Papp R, Szabo L, Toth A, Dohy Zs, Csecs I, Suhai F, Kosztin A, Molnar L, Geller L, Merkely B
Europace 22(1):117-124 (2020)
https://doi.org/10.1093/europace/euz289

The impact of sex, age and training on biventricular cardiac adaptation in healthy adult and adolescent athletes: Cardiac magnetic resonance imaging study
Csecs I, Czimbalmos Cs, Toth A, Dohy Zs, Suhai FI, Szabo L, Kovacs A, Lakatos B, Sydo N, Kheirkhahan M, Peritz D, Kiss O, Merkely B, Vago H
Eur J Prev Cardiology 27(5): 540-549 (2020)
https://doi.org/10.1177/2047487319866019

Left ventricular and atrial strain imaging with cardiac computed tomography: Validation against echocardiography
Szilveszter B, Nagy AI, Vattay B, Apor A, Kolossvary M, Bartykowszki A, Simon J, Drobni Zs, Toth A, Suhai FI, Merkely B, Maurovich-Horvat P
J Cardiovasc Computed Tomography 14(4):363-369. (2020)
https://doi.org/10.1016/j.jcct.2019.12.004

How are ECG parameters related to cardiac magnetic resonance images? Electrocardiographic predictors of left ventricular hypertrophy and myocardial fibrosis in hypertrophic cardiomyopathy
Dohy Zs, Vereckei A, Horvath V, Czimbalmos Cs, Szabo L, Toth A, Suhai FI, Csecs I, Becker D, Merkely B, Vago H
Ann Noninvasive Electrocardiol 25:e12763 (2020)
https://doi.org/10.1111/anec.12763

Early cardiac magnetic resonance imaging in troponin-positive acute chest pain and non-obstructed coronary arteries
Vago H, Szabo L, Dohy Zs, Czimbalmos Cs, Toth A, Suhai FI, Barczi Gy, Gyarmathy A, Becker D, Merkely B
Heart 106:992-1000 (2020)
https://doi.org/10.1136/heartjnl-2019-316295

Fully automatic segmentation of right and left ventricle on short-axis cardiac MRI images
Budai A, Suhai FI, Csorba K, Toth A, Szabo L, Vago H, Merkely B
Comput Med Imag Graphics 85:101786 (2020)
https://doi.org/10.1016/j.compmedimag.2020.101786

[The potential of mapping techniques in cardiac magnetic resonance imaging: Indications, diagnostic value, limitations and first experience in our center] Hungarian
Hirschberg K, Dohy Zs, Toth A, Szabo L, Czimbalmos Cs, Finster M, Suhai F, Merkely B, Vago H
Cardiologia Hungarica 50(1):45-53 (2020)
https://doi.org/10.26430/CHUNGARICA.2020.50.1.45

[Indications, protocol of transthoracal and transesophageal echocardiography, protection of the patients and the healthcare workers] Hungarian
Statement focusing on the COVID-19 pandemy by the Cardiovascular Imaging Workgroup of the Hungarian Society of Cardiology
Agoston G, Kovacs A, Apor A, Pozsonyi Z, Denes M, Toth A, Maurovich-Horvat P, Faludi R
Cardiologia Hungarica 50(2):88-92 (2020)
https://doi.org/10.26430/CHUNGARICA.2020.50.2.88

Changes in strain parameters at different deterioration levels of left ventricular function: A cardiac magnetic resonance featuretracking study of patients with left ventricular noncompaction
Szucs A, Kiss AR, Gregor Zs, Horvath M, Toth A, Dohy Zs, Szabo LE, Suhai FI, Merkely B, Vago H
Int J Cardiol 331:124-130 (2021)
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Prognostic significance of cardiac magnetic resonance-based markers in patients with hypertrophic cardiomyopathy
Dohy Zs, Szabo LE, Toth A, Czimbalmos Cs, Horvath R, Horvath V, Suhai FI, Geller L, Merkely B, Vago H
Int J Cardiovascular Imaging 37:2027-2036 (2021)
https://doi.org/10.1007/s10554-021-02165-8

[The role of cardiac magnetic resonance imaging after COVID-19 infection] Hungarian
Szabo L, Juhasz V, Dohy Zs, Hirschberg K, Czimbalmos Cs, Toth A, Suhai FI, Merkely B, Vago H
Cardiologia Hungarica 51(1):18-22 (2021)
https://doi.org/10.26430/CHUNGARICA.2021.51.1.18

Left ventricular characteristics of noncompaction phenotype patients with good ejection fraction measured with cardiac magnetic resonance
Kiss AR, Gregor Zs, Furak A, Toth A, Horvath M, Szabo L, Czimbalmos Cs, Dohy Zs, Merkely B, Vago H, Szucs A
Anatol J Cardiol 25:565-571 (2021)
https://doi.org/10.5152/AnatolJCardiol.2021.25905448

Sex- and age- specific normal values of left ventricular functional and myocardial mass parameters using threshold-based trabeculae quantification
Gregor Zs, Kiss AR, Szabo LE, Toth A, Grebur K, Horvath M, Dohy Zs, Merkely B, Vago H, Szucs A
PLOS ONE 16(10): e0258362 (2021)
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Potential clinical relevance of cardiac magnetic resonance to diagnose cardiac light chain amyloidosis
Dohy Zs, Morris AD, Szabo L, Pozsonyi Z, Csecs I, Toth A, Suhai FI, Czimbalmos Cs, Szucs A, Kiss AR, Becker D, Merkely B, Vago H
PLOS ONE 17(6): e0269807 (2022)
https://doi.org/10.1371/journal.pone.0269807

[3D MRI left atrial scar map guided anatomical pulmonary vein reisolation] Hungarian
Eszter F, van der Geest RJ, Toth A, Simor T
Orv Hetil 163(19): 767-772 (2022)
https://doi.org/10.1556/650.2022.32456

[SARS-CoV-2 infection and its prevention in pediatric autoimmune diseases] Hungarian
Constantin T, Kulcsar A, Krivacsy P, Meszner Zs, Ponyi A, Toth A, Onozo B, Szekanecz Z
Orv Hetil 163(11): 414-423 (2022)
https://doi.org/10.1556/650.2022.32448

Validation of Artificial Intelligence Cardiac MRI Measurements: Relationship to Heart Catheterization and Mortality Prediction
Alabed S, Alandejani F, Dwivedi K, Karunasaagarar K, Sharkey M, Garg P, de Koning PJH, Toth A, Shahin Y, Johns C, Mamalakis M, Stott S, Capener D, Wood S, Metherall P, Rothman AMK, Condliffe R, Hamilton N, Wild JM, O'Regan DP, Lu H, Kiely DG, van der Geest RJ, Swift AJ
Radiology 000:1-12 (2022)
https://doi.org/10.1148/radiol.212929

Immunological response and temporal associations in myocarditis after COVID-19 vaccination using cardiac magnetic resonance imaging: An amplified T-cell response at the heart of it?
Vago H, Szabo L, Szabo Zs, Ulakcsai Zs, Szogi E, Budai G, Toth A, Juhasz V, Dohy Zs, Hoffer K, Becker D, Kiss RG, Nagy GGy, Nagy Gy, Merkely B
Front Cardiovasc Med 15:1-14 (2022)
https://doi.org/10.3389/fcvm.2022.961031

Reference Values for Inward Displacement in the Normal Left Ventricle: A Novel Method of Regional Left Ventricular Function Assessment
Romy RMJJ H, McManus S, Toth A, Ladeiras-Lopes R, Kitslaar P, Bui V, Dukker K, Harb CS, Swaans JM, Ben-Yehuda O, Klein P, Puri R
J Cardiovasc Dev Dis 10(12):474 (2023)
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Attila Tóth MD

Budapest, Hungary (Europe), 2024-AUG-27