



## Elections to EACVI Board 2022-2024

Application for the position: *(Select one position)*

- EACVI President-Elect
- EACVI Treasurer
- EACVI Secretary
- EACVI Councillor (Echocardiography)
- EACVI Councillor (Cardiovascular Magnetic Resonance)
- EACVI Councillor (Nuclear Cardiology & Cardiac CT)
- EACVI Vice-President-Elect (Echocardiography)
- EACVI Vice-President-Elect (Cardiovascular Magnetic Resonance)
- EACVI Vice-President-Elect (Nuclear Cardiology & Cardiac CT)

### 1. Your Identity

Title	Dr
Family Name(s)	Maurovich-Horvat
First Name(s)	Pál
City	Budapest
Country	Hungary



## 2. General Curriculum Vitae (300 words max)

Scientific degrees, titles: MD, PhD, MPH, DSc

Current employment and nature of responsibilities:

- Cardiologist and Radiologist
- Head of Medical Imaging Centre and Chairman of Radiology, Semmelweis University, Budapest, Hungary

Education and degrees:

- 2006 Doctor of Medicine (MD), Semmelweis University, Budapest
- 2011 Doctor of Philosophy (PhD), Semmelweis University, Budapest
- 2012 Master of Public Health (MPH), Harvard University, School of Public Health, Boston, United States
- 2020 Doctor of Sciences (DSc), Hungarian Academy of Sciences

Research fellowships:

Harvard University, Massachusetts General Hospital, Cardiac MR PET CT Program, Boston, Massachusetts (2004-2005 and 2008-2010).

Clinical fellowships:

University of Cambridge, UK (1997), Karolinska Institute, Stockholm, Sweden (2001), Uppsala University, Sweden (2002), Humboldt University, Charité, Berlin, Germany (2003), RWTH Universitäts Klinikum Aachen, Germany (2004), Universitäts Spital, Zürich, Switzerland (2004), Areteion University Hospital, Athens, Greece (2004)

Editorial board positions

- European Heart Journal: Cardiovascular Imaging (associate editor)
- Journal of Cardiovascular Computed Tomography (associate editor)
- IMAGING (editor-in-chief)
- EHJ Open - editorial board member

International teaching activity

- Director and organizer of international Cardiac CT Academies: 25
- International PhD opponent: 2
- Hungarian students who received PhD degree: 7

International scientific conference activity

- Invited lectures: 160
- Chairman: 45
- Member of the congress organizing committee: 19

Grand rounds

- University of Heidelberg, Radiology Grand Round, 2019
- Oxford University, Cardiovascular Medicine Lunchtime Seminar, 2019



- University Hospital Zürich, 2019
- Harvard Medical School, Brigham and Women’s Hospital, 2020
- Tübingen University, 2022

### 3. Previous experience(s) in the EACVI or ESC or your National Bodies?

2020-2022 Digital Health Committee of ESC, Liaison Officer EACVI  
 2020-2022 Vice-president for Cardiac CT of the EACVI  
 2020-2022 Research - Scientific Initiatives Committee member EACVI  
 2018-2020 Vice-president elect for Cardiac CT of the EACVI  
 2018-2022 EACVI Board member  
 2022. EACVI 2022 Scientific programme committee (Scientific Committee Advisor)  
 2018-2022 Certification and Accreditation Committee member, EACVI  
 2018-2020 Congress Program Committee member, ESC  
 2018-2020 E-Communication Committee member of ESC  
 2016-2020 Chair, Web and Communication Committee EACVI  
 2018-2020 Industry Round Table Committee member, EACVI  
 2016-2018 Nucleus Member of the EACVI Section on Nuclear C&CCT  
 2016-2019 President of the Hungarian Association of Cardiovascular Imaging  
 2019- present Board member of Hungarian Society of Radiology  
 2013- present Member of the Scientific Advisory Board of the Hungarian Society of Cardiologists

### 4. Are you a Board or Nucleus Member of another scientific organisation?

Yes  No

If Yes, please specify:

Hungarian Society of Cardiology  
Hungarian Society of Radiology

**5. Selected publications (please list 10 max)**

1. DISCHARGE Trial Group, Maurovich-Horvat P, Bossert M, Kofoed KF et al. CT or Invasive Coronary Angiography in Stable Chest Pain. *N Engl J Med*. 2022 Apr 28;386(17):1591-1602. doi: 10.1056/NEJMoa2200963.
2. Simon J, Fung K, Raisi-Estabragh Z, Aung N, Khanji MY, Kolossvary M, Merkely B, Munroe PB, Harvey NC, Piechnik SK, Neubauer S, Petersen SE, Maurovich-Horvat P. Light to moderate coffee consumption is associated with lower risk of death: a UK Biobank study. *Eur J Prev Cardiol*. 2022 May 6;29(6):982-991. doi: 10.1093/eurjpc/zwac008.
3. Drobni ZD, Kolossvary M, Karady J, Jermendy AL, Tarnoki AD, Tarnoki DL, Simon J, Szilveszter B, Littvay L, Voros S, Jermendy G, Merkely B, Maurovich-Horvat P. Heritability of Coronary Artery Disease: Insights From a Classical Twin Study. *Circ Cardiovasc Imaging*. 2022 Mar;15(3):e013348. doi: 10.1161/CIRCIMAGING.121.013348.
4. Kolossvary M, Park J, Bang JI, Zhang J, Lee JM, Paeng JC, Merkely B, Narula J, Kubo T, Akasaka T, Koo BK, Maurovich-Horvat P. Identification of invasive and radionuclide imaging markers of coronary plaque vulnerability using radiomic analysis of coronary computed tomography angiography. *Eur Heart J Cardiovasc Imaging*. 2019 Nov 1;20(11):1250-1258. doi: 10.1093/ehjci/jez033.
5. Maurovich-Horvat P, Ferencik M, Voros S, Merkely B, Hoffmann U. Comprehensive plaque assessment by coronary CT angiography. *Nat Rev Cardiol*. 2014 Jul;11(7):390-402. doi: 10.1038/nrcardio.2014.60.
6. Maurovich-Horvat P, Schlett CL, Alkadhi H, Nakano M, Otsuka F, Stolzmann P, Scheffel H, Ferencik M, Kriegel MF, Seifarth H, Virmani R, Hoffmann U. The napkin-ring sign indicates advanced atherosclerotic lesions in coronary CT angiography. *JACC Cardiovasc Imaging*. 2012 Dec;5(12):1243-52. doi: 10.1016/j.jcmg.2012.03.019.
7. Maurovich-Horvat P, Hoffmann U, Vorpahl M, Nakano M, Virmani R, Alkadhi H. The napkin-ring sign: CT signature of high-risk coronary plaques? *JACC Cardiovasc Imaging*. 2010 Apr;3(4):440-4. doi: 10.1016/j.jcmg.2010.02.003.
8. Dweck MR, Maurovich-Horvat P, Leiner T, Cosyns B, Fayad ZA, Gijzen FJH, Van der Heiden K, Kooi ME, Maehara A, Muller JE, Newby DE, Narula J, Pontone G, Regar E, Serruys PW, van der Steen AFW, Stone PH, Waltenberger JL, Yuan C, Evans PC, Lutgens E, Wentzel JJ, Bäck M. Contemporary rationale for non-invasive imaging of adverse coronary plaque features to identify the vulnerable patient: a Position Paper from the European Society of Cardiology Working Group on Atherosclerosis and





Vascular Biology and the European Association of Cardiovascular Imaging. Eur Heart J Cardiovasc Imaging. 2020 Oct 20;21(11):1177-1183. doi: 10.1093/ehjci/jeaa201.

9. Einstein AJ, Hirschfeld C, Williams MC, Vitola JV, Better N, Villines TC, Cerci R, Shaw LJ, Choi AD, Dorbala S, Karthikeyan G, Lu B, Sinitsyn V, Ansheles AA, Kudo T, Bucciarelli-Ducci C, Nørgaard BL, Maurovich-Horvat P, Campisi R, Milan E, Louw L, Allam AH, Bhatia M, Sewanan L, Malkovskiy E, Cohen Y, Randazzo M, Narula J, Morozova O, Pascual TNB, Pynda Y, Dondi M, Paez D; INCAPS COVID 2 Investigators Group. Worldwide Disparities in Recovery of Cardiac Testing 1 Year Into COVID-19. J Am Coll Cardiol. 2022 May 24;79(20):2001-2017. doi: 10.1016/j.jacc.2022.03.348.

10. Francone M, Gimelli A, Budde RPJ, Caro-Dominguez P, Einstein AJ, Gutberlet M, Maurovich-Horvat P, Miller O, Nagy E, Natale L, Peebles C, Petersen SE, Semple T, Valverde I, Voges I, Secinaro A, Di Salvo G. Radiation safety for cardiovascular computed tomography imaging in paediatric cardiology: a joint expert consensus document of the EACVI, ESCR, AEPC, and ESPR. Eur Heart J Cardiovasc Imaging. 2022 Jul 21;23(8):e279-e289. doi: 10.1093/ehjci/jeac048.

## 6. Publication metrics

ORCID ID: <https://orcid.org/0000-0003-0885-736X>

Google scholar profile link: <https://scholar.google.com/citations?user=I-SLNAYAAAAJ&hl=en>

Google scholar h-index: 39

Google citations: 9757

Cumulative IF: 1275.69

## 7. Total number of peer reviewed publications / textbooks and chapters

245 peer reviewed publications

10 textbook chapters



### 8. Why are you interested in joining the EACVI Board (300 words max)?

As the President-Elect and President of EACVI my main goal would be to serve our multi-modality imaging community and to facilitate the transformation of EACVI into an interconnected, inclusive and strong organisation, which is ready for the new era of medicine.

The pandemic has transformed our healthcare through the widespread use of telemedicine, digitalisation, and application of artificial intelligence. It has become evident that precision diagnostics using non-invasive and invasive imaging in combination with clinical patient data will play an integrative role in value-based health care. The success of healthcare professionals, departments, hospitals, national and international organisations all depend on their ability to stay interconnected, work in teams and use the new technologies wisely.

As the President-Elect of EACVI, I would represent Echo, CMR, Nuclear Cardiology and Cardiac CT in a balanced way and I would strongly promote cooperation with other international organisations for Cardiovascular Imaging. I have been fortunate to be part of the vibrant community of EACVI since 2016. Having worked within a team of world class experts provided an inspiration to thrive for "promoting excellence in clinical diagnosis, research, technical development, and education in cardiovascular imaging". During my term as the chair of the Web Committee, we have been able to transform the home page of our society into a more informative and accessible platform. As the vice president for CT, I had the opportunity to participate in position paper preparations and congress program constructions. I am especially proud of the first cardiac CT training course that I had the privilege to lead at the Heart House in Nice.

I strongly believe that teamwork is essential, and research is an important driver for the high-quality clinical care we provide. I am the head of one of the largest departments at the Semmelweis University. I am both a cardiologist and a radiologist by training. Currently, as the chairman of Radiology and employer of more than 250 health care professionals, I have learnt how to create a unified team through consensus and common vision. I strongly believe that future innovation in cardiac imaging will stem from a closer collaboration of the respective cardiology and radiology subspecialties. As the President-Elect of our multi-modality imaging society, I would like to strengthen the network of European cardiovascular imaging professionals to create powerful training programs and research projects to ultimately improve the care of our patients.

