



## Elections to EACVI Board 2020-2022

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)	Manka
First Name(s)	Robert
Birth Date	05.09.1977
Type of address	Business <input checked="" type="checkbox"/> Home <input type="checkbox"/>
Institute/Organisation	University Hospital Zürich
Department	Cardiology
Address	Raemistrasse 100
Post Code/Zip	8092
City	Zürich
Country	Switzerland



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

Robert Manka, M.D. is the director of the cardiac magnetic resonance imaging unit of the University Hospital Zürich, Switzerland. He received his medical degree in 2002 and was trained in internal medicine and cardiology at the University of Bonn, German Heart Institute Berlin and the University Hospital Zürich. He completed a postdoctoral fellowship at the Institute for Biomedical Engineering at the University and ETH Zürich in the field of cardiac magnetic resonance imaging. In 2011, he was awarded with the *JCMR Best Manuscript Award* by the Society of Cardiovascular Magnetic Resonance. His research centres on developing cardiovascular magnetic resonance imaging methods, specifically for the assessment of ischemic heart disease and heart failure. In 2013, he received the *Venia legendi* (Habilitation) from the University of Zürich with “Cardiac magnetic resonance imaging in coronary heart disease”. As Lecturer at the University of Zürich, Dr. Manka is regularly involved in teaching medical students, residents and has established a national and international cardiac imaging fellowship at the University Hospital Zürich. Dr. Manka has published over 130 scientific papers in such peer-reviewed journals as *the Journal of the American College of Cardiology*, *the Lancet*, *Circulation* and *European Heart Journal* and he has also authored and published several book chapters on cardiovascular disease (e.g. *ESC Textbook of Cardiovascular Medicine*). He is a member of the Editorial board and *Editor* of the *European Heart Journal* and the Swiss National Cardiology Society (SSC) Journal *Cardiovascular Medicine*. Furthermore, Dr. Manka acts as Chairperson CMR Laboratory Accreditation, CMR Exam Board member, and member for the EACVI Scientific Initiatives Committee of the European Society of Cardiology. Furthermore, he is a member of the SCMR Clinical Practice and Publication Committee.



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

- 1) Since 2014 EACVI CMR Exam Board member
- 2) Since 2018 Member for the EACVI Scientific Initiatives Committee
- 3) Since 2020 Chairperson EACVI CMR Laboratory Accreditation Committee
- 4) Member of Imaging Group of the Heart Failure Association (HFA) of the European Society Cardiology (2016-2018)

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

Yes  No

If Yes, please specify:

**5. Publications (please list max 10 of your most important publications)**

1. **Manka R**, Jahnke C, Kozerke S, Vitonis V, Crelier G, Gebker R, Schnackenburg B, Boesiger P, Fleck E, Paetsch I. Dynamic 3-dimensional stress cardiac magnetic resonance perfusion imaging: detection of coronary artery disease and volumetry of myocardial hypoenhancement before and after coronary stenting. *J Am Coll Cardiol.* 2011 Jan 25;57(4):437-44.
2. **Manka R**, Paetsch I, Kozerke S, Moccetti M, Hoffmann R, Schroeder J, Reith S, Schnackenburg B, Gaemperli O, Wissmann L, Wyss CA, Kaufmann PA, Corti R, Boesiger P, Marx N, Lüscher TF, Jahnke C. Whole-heart dynamic three-dimensional magnetic resonance perfusion imaging for the detection of coronary artery disease defined by fractional flow reserve: determination of volumetric myocardial ischaemic burden and coronary lesion location. *Eur Heart J.* 2012 Aug; 33(16):2016-24.
3. Jahnke C, Nagel E, Gebker R, Kokocinski T, Kelle S, **Manka R**, Fleck E, Paetsch I. Prognostic value of cardiac magnetic resonance stress tests: adenosine stress perfusion and dobutamine stress wall motion imaging. *Circulation.* 2007 Apr 3;115(13):1769-76.
4. **Manka R**, Vitonis V, Boesiger P, Flammer AJ, Plein S, Kozerke S. Clinical feasibility of accelerated, high spatial resolution myocardial perfusion imaging. *JACC Cardiovasc Imaging.* 2010 Jul;3(7):710-7.
5. Čelutkienė J, Plymen CM, Flachskampf FA, de Boer RA, Grapsa J, **Manka R**, Anderson L, Garbi M, Barberis V, Filardi PP, Gargiulo P, Zamorano JL, Lainscak M, Seferovic P, Ruschitzka F, Rosano GMC, Nihoyannopoulos P. Innovative imaging methods in heart failure: a shifting paradigm in cardiac assessment. Position statement on behalf of the Heart Failure Association of the European Society of Cardiology. *Eur J Heart Fail.* 2018 Dec;20(12):1615-1633.
6. Sürder D, **Manka R**, Lo Cicero V, Moccetti T, Rufibach K, Soncin S, Turchetto L, Radrizzani M, Astori G, Schwitter J, Erne P, Zuber M, Auf der Maur C, Jamshidi P, Gaemperli O, Windecker S, Moschovitis A, Wahl A, Bühler I, Wyss C, Kozerke S, Landmesser U, Lüscher TF, Corti R. Intracoronary injection of bone marrow-derived mononuclear cells early or late after acute myocardial infarction: effects on global left ventricular function. *Circulation.* 2013 May 14;127(19):1968-79.
7. Baessler B, Mannil M, Oebel S, Maintz D, Alkadhi H, **Manka R**. Subacute and Chronic Left Ventricular Myocardial Scar: Accuracy of Texture Analysis on Nonenhanced Cine MR Images. *Radiology.* 2018 Jan 286(1):103-112





8. **Manka R**, Wissmann L, Gebker R, Jogiya R, Motwani M, Frick M, Reinartz S, Schnackenburg B, Niemann M, Gotschy A, Kuhl C, Nagel E, Fleck E, Marx N, Luescher TF, Plein S, Kozerke S  
Multicenter evaluation of dynamic three-dimensional magnetic resonance myocardial perfusion imaging for the detection of coronary artery disease defined by fractional flow reserve  
Circ Cardiovasc Imaging 2015 May;8(5)
9. Gotschy A, Saguner AM, Niemann M, Hamada S, Akdis D, Yoon JN, Parmon EV, Delgado V, Bax JJ, Kozerke S, Brunckhorst C, Duru F, Tanner FC, **Manka R**  
Right ventricular outflow tract dimensions in arrhythmogenic right ventricular cardiomyopathy/dysplasia-a multicentre study comparing echocardiography and cardiovascular magnetic resonance.  
Eur Heart J Cardiovasc Imaging. 2017 May 26
10. Hamada S, Gotschy A, Wissmann L, Paetsch I, Jahnke C, Plein S, Gebker R, Oebel S, Alkadhi H, Marx N, Lüscher TF, Kozerke S, **Manka R**.  
Multi-centre study of whole-heart dynamic 3D cardiacmagnetic resonance perfusion imaging for the detection of coronary artery disease defined by fractional flow reserve: gender based analysis of diagnostic performance.  
Eur Heart J Cardiovasc Imaging 2017 Oct 1;18(10)1099-1106

#### 6. Hirsch Index to date, by Web of Science

Hirsch Index: 24



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

I am interested to join the EACVI Board as Councillor for Cardiovascular Magnetic Resonance.

Indeed, I am deeply motivated in contributing to the growing of the Association and its scientific and educational activities.

I feel I could continue to make a significant contribution in a number of different ways. Since 2012 I have participated actively on the nucleus as a nominated ex-officio member. In this role I have worked closely with Professor Sven Plein and Professor Chiara Bucciarelli-Ducci (Past Presidents CMR Section). Later I joined the CMR Exam Board under the supervision of Professor Steffen Petersen and Dr. Mark Westwood. During this time, I have taken on the role to develop the EACVI Cardiac Magnetic Resonance Laboratory Accreditation. This year, we were able to certify the first 10 centres across Europe. I would like to continue to work on the high standards of the CMR exam and laboratory certification. I feel honoured to be appointed Programme Chair for the 2021 EuroCMR conference in Sevilla and it is my intention to contribute to this very important annual event in the future. As Councillor of the CMR section I would like to share my enthusiasm and passion for cardiac imaging and strengthen education, training and research in this important field across Europe. I strongly believe in our multi-modality imaging association and its assets to cardiovascular medicine as it puts the patient at the centre of its mission.