



## Elections to EACVI Board 2020-2022

### Application for the 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	MD, MSc <sub>(LSE)</sub> , PhD, FESC, FACC
Family Name(s)	Fontes-Carvalho
First Name(s)	Ricardo
Birth Date	10-12-1980
Type of address	Business <input checked="" type="checkbox"/> Home <input type="checkbox"/>
Institute/Organisation	Faculty of Medicine University of Porto, Portugal
Department	Cardiovascular
Address	Al. Prof. Hernâni Monteiro
Post Code/Zip	4200-319
City	Porto
Country	Portugal

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

Ricardo Fontes-Carvalho, MD, PhD, FESC, FACC is cardiologist at Gaia Hospital Center and Professor of Cardiovascular Sciences at Faculty of Medicine University of Porto, Portugal. In his clinical activity he performs mainly Advanced Echocardiography, including all TTE and TOE techniques and also echocardiography to guide structural intervention.

Over the years he has been involved in both basic, translational and clinical research and in several international clinical trials. For this research he has received 15 national and international awards and has authored >85 original publications in several peer-review journals in different fields of cardiology. He has a special interest in clinical research about diastolic function, left atrium function and heart failure.

At the European Society Cardiology (ESC), he was founder of the ESC Cardiologists of Tomorrow and has worked for five years in the Board of the ESC Education Committee, where he was responsible for the creation of the “ESC Webinars in General Cardiology”, for the definition of the “Core Curriculum in General Cardiology” among many other educational initiatives. Currently, he is member of the EACVI Committee of Scientific Initiatives and of the HFA Imaging Committee.

During the last years he has been an active contributor in several national and international continuing medical education programs. He has been abstract grader, presenter and session chair in a variety of international cardiovascular meetings such as ESC congress, EuroEcho Imaging, Heart Failure, American College Cardiology Congress and several other worldwide national Cardiology congresses.

He is reviewer of several international journals, such as Circulation, JACC Imaging, Heart, American Journal Cardiology among many others.

Since 2019 he is Associate Editor of “Journal American College Cardiology (JACC) Case Reports” and Associate Editor of “Cardiology”.

In 2018 he concluded a Msc in “Health Economics and Outcomes” at the London School of Economics.

He is Fellow of the European Society of Cardiology (FESC) and Fellow of the American College of Cardiology (FACC).



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

Over the years he has been involved in several EACVI and ESC activities.

#### Activities at the European Society Cardiology (ESC):

- Founder and Board member of the ESC Cardiologists of Tomorrow (2011-2017)
- Member of the Board of the ESC Education Committee (2011-2016)
- Creator and Scientific coordinator of the “ESC Webinars in General Cardiology”(2012-2017)
- Member of the Task Force for the definition of the Core Curriculum in General Cardiology (2012-2013)
- Member of the Task Force and author of several chapters of the ESC Electronic Platform (ESCeL) in General Cardiology
- Abstract grader, presenter and/or session chair in several ESC congress (2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019)

#### Activities at the EACVI:

- Current member of the EACVI Committee of Scientific Initiatives (2018-2020)
- Presenter and/or session chair in several EuroEcho Congress (2016, 2017, 2018, 2019)
- Organizer of the Cardiac Imaging Quiz in EuroEcho Congress (2016-2019)

#### Activities at National Bodies:

- Member of the Board of the Cardiology College of the Portuguese Medical Association (2018-present)
- Member of the Board of the Portuguese Society of Cardiology (2016-2018)
- Founder and National Coordinator of the Portuguese Cardiologists of Tomorrow (2009-2011)
- Coordinator of several national educational activities in the field of cardiac imaging and clinical cardiology, targeted to cardiologists and general practitioners

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

Yes  No

If Yes, please specify:

- Member of the HFA Imaging Committee (2019-2021)



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

**1. Impact of the 2016 ASE/EACVI recommendations on the prevalence of diastolic dysfunction in the general population.**

Almeida JG, Fontes-Carvalho R, Sampaio F, Ribeiro J, Bettencourt P, Flachskampf FA, Leite-Moreira A, Azevedo A. Eur Heart J Cardiovasc Imaging. 2018 Apr 1;19(4):380-386. doi: 10.1093/ehjci/jex252.

**2. Is new grade Ia of diastolic dysfunction relevant at the population level?**

Fontes-Carvalho R, Azevedo A, Leite-Moreira A. JACC Cardiovasc Imaging. 2015 Feb;8(2):229-30.

**3. Impaired Left Atrial Strain as a Predictor of New-onset Atrial Fibrillation After Aortic Valve Replacement Independently of Left Atrial Size.**

Pessoa-Amorim G, Mancio J, Vouga L, Ribeiro J, Gama V, Bettencourt N, Fontes-Carvalho R. Rev Esp Cardiol (Engl Ed). 2018 Jun;71(6):466-476. doi: 10.1016/j.rec.2017.10.005.

**4. Diastolic dysfunction in the diabetic continuum: association with insulin resistance, metabolic syndrome and type 2 diabetes.**

Fontes-Carvalho R, Ladeiras-Lopes R, Bettencourt P, Leite-Moreira A, Azevedo A. Cardiovasc Diabetol. 2015 Jan 13;14:4. doi: 10.1186/s12933-014-0168-x.

**5. Direct, inflammation-mediated and blood-pressure-mediated effects of total and abdominal adiposity on diastolic function: EPIPorto study.**

Fontes-Carvalho R, Gonçalves A, Severo M, Lourenço P, Rocha Gonçalves F, Bettencourt P, Leite-Moreira A, Azevedo A. Int J Cardiol. 2015 Jul 15;191:64-70. doi: 10.1016/j.ijcard.2015.04.250.

**6. Influence of epicardial and visceral fat on left ventricular diastolic and systolic functions in patients after myocardial infarction.**

Fontes-Carvalho R, Fontes-Oliveira M, Sampaio F, Mancio J, Bettencourt N, Teixeira M, Rocha Gonçalves, Gama V, Leite-Moreira A. Am J Cardiol. 2014 Dec 1;114(11):1663-9. doi: 10.1016/j.amjcard.2014.08.037.

**7. HIV patients have impaired diastolic function that is not aggravated by anti-retroviral treatment.**

Fontes-Carvalho R, Mancio J, Marcos A, Sampaio F, Mota M, Rocha Gonçalves F, Gama V, Azevedo A, Leite-Moreira A. Cardiovasc Drugs Ther. 2015 Feb;29(1):31-9.

**8. The European Society of Cardiology's Cardiologists of Tomorrow: The Evolving "Heart Team" Opens International Borders.**

Fontes-Carvalho R, Vidal-Perez R, Pöss J. J Am Coll Cardiol. 2015 Jun 16;65(23):2566-9. doi: 10.1016/j.jacc.2015.04.038.

**9. Left atrial deformation analysis by speckle tracking echocardiography to predict exercise capacity after myocardial infarction.**

Fontes-Carvalho R, Sampaio F, Teixeira M, Ruivo C, Ribeiro J, Azevedo A, Leite-Moreira A, Ribeiro VG. Rev Port Cardiol. 2018 Oct;37(10):821-830. doi: 10.1016/j.repc.2017.10.018

**10. An integrative translational approach to study heart failure with preserved ejection fraction: a position paper from the Working Group on Myocardial Function of the European Society of Cardiology.**

Lourenço AP, Leite-Moreira AF, Balligand JL, Bauersachs J, Dawson D, de Boer RA, de Windt LJ, Falcão-Pires I, Fontes-Carvalho R, Franz S, Giacca M, Hilfiker-Kleiner D, Hirsch E, Maack C, Mayr M, Pieske B, Thum T, Tocchetti CG, Brutsaert DL, Heymans S. Eur J Heart Fail. 2018 Feb;20(2):216-227. doi: 10.1002/ehf.1059.

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

H index: 16    i10 Index: 30    Total citations: 1676

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

In recent years, we have assisted to major breakthrough advances in Cardiovascular Imaging. Although its clinical impact cannot be easily “measurable” (there are few clinical trials in this area), these advances allowed a significant improvement in the diagnosis and care of patients with cardiovascular disease.

During the last years, the EACVI had a very important role in promoting the importance of Cardiovascular Imaging, especially in the fields of research and education.

I am interested in helping the EACVI to further foster these activities especially in the following fields:

**1) Education:** the most important role of EACVI is Education. Using my previous experience in this field, I pretend to help the EACVI to implement new educational tools which can be centred in clinical practice and according to the user’s needs. I propose to build new (digital) practical tutorials about the use of the new Cardiovascular Imaging techniques (Echo, CT, MRI) in clinical practice with a more frequent use of clinical cases, patient examples and clinical scenarios.

**2) Digital transformation:** in current times, the digital world is a powerful tool to reach a truly worldwide and larger audience. The EACVI can have a leading role in this area to further improve educational and research activities, by developing new integrated programs of webinars, webcasts and online training courses, coupled with digital networks of research in cardiovascular imaging. Social media platforms will be cornerstone in these activities.

**3) Translation of scientific knowledge to clinical practice:** currently we have several imaging techniques to improve our diagnostic and therapeutic capabilities, but their implementation in clinical practice is frequently low. I would like to contribute to reduce this gap with several research and educational programs. An important area (among many others) would be to have the EACVI leading the field of pocket echocardiography (the “stethoscope of the future”).

**4) Networking with peers, with a particular focus in the younger generation:** the EACVI should be also a place of interchange of knowledge and experience. The young community should be an important target of all EACVI activities, also promoting a more active involvement of the Young in all its initiatives. I would like to use my previous experience in the creation of several Young Cardiologists Groups inside the ESC to further improve this interchange between generations.