



## 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)	Westwood
First Name(s)	Mark
Birth Date	1 <sup>st</sup> March 1973
Type of address	Business <input checked="" type="checkbox"/> Home <input type="checkbox"/>
Institute/Organisation	Barts Heart Centre
Department	Department of Cardiology
Address	West Smithfield
Post Code/Zip	EC1A 7BE
City	London
Country	UK



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

### Background

- Trained at University of Oxford and St Bartholomew's Hospital, London
- Consultant Cardiologist (2008-)
- CMR Director, London Chest Hospital
  - One of UKs' largest CMR services within 2 years
  - 2010-2015, <3,500 scans/year

### UK, CMR

- Co-founder: "London CMR" (2008-)
  - Second largest UK CMR meeting
- President: British Society of CMR (BSCMR, 2020-)
  - Developed programme for 2015 annual meeting, >200 delegates, one of largest ever
  - Developed national standards: CMR workplace based assessments

### UK, Training/Education

- Training Programme Director: North East London (2012-)
  - Lead programme, >70 trainees
  - One of UK's most highly rated Cardiology training programmes
- Vice Chair: Cardiology Specialty Advisory Committee, (SAC, 2019-)
  - Responsible nationally for >500 trainees
  - Leading development of new cardiology curriculum launching 2022
- Member: Education Committee, British Cardiovascular Society (BCS, 2013-2016)
  - Led team of 15-20 producing online editorials

### UK, General Cardiology

- Councillor: British Cardiovascular Society (BCS, 2017-)
  - Member, Programme Committee for 4 parallel track congress
  - Developed sessions including BCS quiz

### **International, CMR:**

- Board member: CMR section, EACVI (2016-2018)
  - Part of team delivering CMR 2018, largest ever CMR meeting
- Chief Examiner: EuroCMR Examination (2014-2017)
  - 100% increase in candidates, 75 (2014), 180 (2017)
- Chair: Education Committee, Society for Cardiovascular Magnetic Resonance (SCMR, 2014-2016)
  - Led team of 20, developed online tutorials

### **International, Cardiac Imaging:**

- Chair: Certification/Accreditation, EACVI (2017-)
  - Led growth to >1,000 applicants/year (2017-)
  - 3 new certification programmes
    - Nuclear Cardiology (2017)
    - Congenital CMR (2018)
    - Cardiac CT (2018)
  - Led online examinations (2020)

### **International, Training and Education:**

- President: Council for European Specialists Medical Assessment (CESMA, 2018-)
  - Overhauled biannual meeting
  - Introduced regular workshops
- Member: Education Committee, ESC (2018-)
  - Part of team that wrote European Core Cardiology Curriculum (2020)
  - Developed ESC Quiz (2018-)

### **National COVID Response, UK (2020):**

- Director of Medical Education, Nightingale Hospital, London:
  - Led all training/education
  - >3,700 personnel trained in 7 weeks



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

**ESC:**

Member, Education Committee, ESC (2018-)

**EACVI:**

Chair, Certification and Accreditation Committee, EACVI (2016-)

EACVI Board member, (2016-2018)

Elected CMR Section Nucleus Member (2016-2018)

Chief examiner for EACVI CMR examination (2015-2017)

Chair, EACVI CMR Examination Board (2015-2017)

**National Roles:**

Vice President, UK Specialty Advisory Committee (SAC) for Cardiology (UK national training body, 2019-)

President, British Society of CMR (BSCMR, 2018-)

Council Member, British Cardiovascular Society (BCS, 2017-)

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

Yes  No

If Yes, please specify:

President, the Council for European Specialists Medical Assessment (CESMA, 2018-)

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

1. Nagel E, Greenwood JP, McCann GP, Bettencourt N, Shah AM, Hussain ST, Perera D, Plein S, Bucciarelli-Ducci C, Paul M, **Westwood MA**, Marber M, Richter WS, Puntmann VO, Schwenke C, Schulz-Menger J, Das R, Wong J, Hausenloy DJ, Steen H, Berry C; MR-INFORM Investigators. Magnetic Resonance Perfusion or Fractional Flow Reserve in Coronary Disease. *New England Journal of Medicine*. 2019 Jun 20;380(25):2418-2428.
2. Skulstad H, Cosyns B, Popescu BA, Galderisi M, Salvo GD, Donal E, Petersen S, Gimelli A, Haugaa KH, Muraru D, Almeida AG, Schulz-Menger J, Dweck MR, Pontone G, Sade LE, Gerber B, Maurovich-Horvat P, Bharucha T, Cameli M, Magne J, **Westwood M**, Maurer G, Edvardsen T. COVID-19 pandemic and cardiac imaging: EACVI recommendations on precautions, indications, prioritization, and protection for patients and healthcare personnel. *Eur Heart J Cardiovasc Imaging*. 2020 Jun 1;21(6):592-598.
3. **Westwood M**, Knott KD. Stress CMR and Combination Testing in the World of Multimodality Imaging. *JACC Cardiovasc Imaging*. 2020 May;13(5):1161-1162
4. Ramasamy A, Chen Y, Zanchin T, Jones DA, Rathod K, Jin C, Onuma Y, Zhang YJ, Amersey R, **Westwood M**, Ozkor M, O'Mahony C, Lansky A, Crake T, Serruys PW, Mathur A, Baumbach A, Bourantas CV. Optical coherence tomography enables more accurate detection of functionally significant intermediate non-left main coronary artery stenoses than intravascular ultrasound: A meta-analysis of 6919 patients and 7537 lesions. *Int J Cardiol*. 2020 Feb 15;301:226-234.
5. Chatha SR, **Westwood M**, Moon JC, Captur G. New-onset heart failure: free-breathing motion-corrected late gadolinium enhancement rescues the endomyocardial fibrosis diagnosis. *Eur Heart J*. 2019 Dec 21;40(48):3951.
6. Seraphim A, **Westwood M**, Bhuvana AN, Crake T, Moon JC, Menezes LJ, Lloyd G, Ghosh AK, Slater S, Oakervee H, Manisty CH. Advanced Imaging Modalities to Monitor for Cardiotoxicity. *Curr Treat Options Oncol*. 2019 Aug 8;20(9):73.
7. Tarkin JM, Wolstenholme V, Sheaff M, **Westwood M**, Manisty C. A rare case of Rosai-Dorfman disease presenting with cardiac tamponade. *Eur Heart J Cardiovasc Imaging*. 2019 Jun 1;20(6):718.
8. Pontone G, Gimelli A, Maurovich-Horvat P, Dweck MR, Gaemperli O, **Westwood M**. Cardiac Computed Tomography Certification at Euroecho Imaging 2018. *Eur Heart J Cardiovasc Imaging*. 2019 Mar 1;20(3):253-254.





9. Fox K, Achenbach S, Bax J, Cosyns B, Delgado V, Dweck MR, Edvardsen T, Flachskampf F, Habib G, Lancellotti P, Muraru D, Neglia D, Pontone G, Schwammenthal E, Sechtem U, **Westwood M**, Popescu BA. Multimodality imaging in cardiology: a statement on behalf of the Task Force on Multimodality Imaging of the European Association of Cardiovascular Imaging. *Eur Heart J*. 2019 Feb 7;40(6):553-558.
10. Menacho K, Ramirez S, Segura P, Nordin S, Abdel-Gadir A, Illatopa V, Bhuvu A, Benedetti G, Boubertakh R, Abad P, Rodriguez B, Medina F, Treibel T, **Westwood M**, Fernandes J, Walker JM, Litt H, Moon JC. INCA (Peru) Study: Impact of Non-Invasive Cardiac Magnetic Resonance Assessment in the Developing World. *J Am Heart Assoc*. 2018 Sep 4;7(17): e008981.

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

Hirsch Index: 28



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

My interest in this post is around 3 key principles, “Vision, Advocacy and Adaptation.”

### **Vision:**

In cardiac imaging we must promote the best of each technique underpinned with a strong evidence base. More than ever Europe is challenged to deliver safe but cost effective healthcare. Having delivered national and international training programmes and published on multimodality imaging makes me ideally placed to deliver this vision.

### **Advocacy:**

As a true multimodality imaging specialist practising CMR and Cardiac CT and fully trained in echocardiography I have the skills to advocate for the most appropriate use of cardiac imaging. As Chair of Certification and Accreditation for EACVI I lead a team of 2 Vice Chairs, 7 chief examiners and over 50 examination board members delivering certification across all 4 imaging modalities. Under my leadership we have over 1,000 candidates taking one of these programmes annually.

### **Adaptation:**

Medicine continuously evolves but 2020 and COVID have presented unique challenges. I developed, led and instituted training and education at the UK’s Nightingale Hospital for over 3,700 members of staff across the entire multiprofessional team within 7 weeks for treatment of ventilated patients. I have held multiple positions of responsibility and am able to negotiate and deliver on time and on budget at international level.

Having been the forerunner of cardiac imaging, echocardiography plays a pivotal role throughout cardiology. Much of what we take for granted would not be possible without echocardiography which is a ubiquitous technique throughout Europe. With Cardiac CT becoming the front line test for the assessment of chest pain, CMR with its unparalleled tissue characterisation techniques and nuclear cardiology with the exciting field of inflammatory markers I am confident that I have the drive, passion and the key skills to deliver the very best for EACVI, cardiac imaging and most importantly our patients.