EACVI
European Association of Cardiovascular Imaging

Elections to EACVI Board 2018-2020

Application for the position:
EACVI Councillor (Cardiovascular Magnetic Resonance)

1. Your Identity	
Title	Dr
Family Name(s)	Motwani
First Name(s)	Manish
Birth Date	17/04/79
Institute/Organisation	Manchester Heart Centre
Department	Cardiology – cardiovascular imaging
City	Manchester
Country	UK

2. General Curriculum Vitae (300 words max)

Consultant Cardiologist
Manchester Heart Centre, UK, 2016 – current
Practising specialist with expertise in Cardiac MRI, Cardiac CT, Cardiac PET & Echo

Postdoctoral Fellow in Cardiovascular Imaging (CT, CMR, PET)
Cedars-Sinai, Los Angeles, UK, 2014-2016
Advanced clinical & research fellowship

General Cardiology Fellowship
North West Deanery, NHS England, 2007-2010
General cardiology specialist training

Cardiovascular MRI Fellowship
Leeds General Infirmary & University of Leeds, UK, 2010-2012
Advanced clinical & research CMR fellowship

Cardiac Imaging Fellowship
North West Deanery, NHS England, 2012-2014
Advanced Cardiac Imaging Specialist Training

University of Leeds, UK
Advanced CMR Perfusion Methods
PhD, 2014

University of Manchester, UK
Medicine
MB. ChB (Hons), 2001

I am a clinical and academic cardiologist at Manchester University NHS Foundation Trust in the UK. As well as all aspects of general cardiology, I specialize in non-invasive cardiac imaging including cardiac MRI, cardiac CT, echocardiography & advanced nuclear techniques. I have trained in several world-class academic & clinical centres including the Leeds Institute of Cardiovascular & Metabolic Medicine, UK and Cedars-Sinai Medical Centre in Los Angeles, USA. I am also an active research scientist with over 50 publications in leading international medical and cardiology journals, as well as several book chapters. Most recently, I have focused on research utilizing machine learning & artificial intelligence in cardiac imaging.

3. Previous experience(s) in the EACVI or ESC or your National Bodies?
1. EACVI Heart Imagers of Tomorrow – CMR sub-committee representative 2013-2017 2. CMR 2018 – joint EuroCMR/SCMR meeting – Programme Committee 3. EuroCMR 2016 – organizing committee 4. EuroCMR faculty – 2013, 2015, 2016, 2018 5. Euro-Echo-Imaging faculty - 2016, 2017

4. Are you a Board or Nucleus Member of another scientific organisation?	
Yes ☐ No ☑ If Yes, please specify:	

5. Publications (please list 10 max)
1. Role of cardiovascular magnetic resonance in the management of patients with stable coronary artery disease. Motwani M et al. Heart. 2018;104(11):888-894.
2. Inverse association of MRI-derived native myocardial T1 and perfusion reserve index in women with evidence of ischemia and no obstructive CAD: A pilot study. Shaw JL, Nelson MD, Wei J, Motwani M, et al. Int J Cardiol. 2018 pii: S0167-5273(17)35368-8.
3. Impact of incomplete ventricular coverage on diagnostic performance of myocardial perfusion imaging. Sharif B, Motwani M, et al. Int J Cardiovasc Imaging. 2018 ;34(4):661-669
4. Prognostic Value of Combined Clinical and Myocardial Perfusion Imaging Data Using Machine Learning. Betancur J, Otaki Y, Motwani M, et al. JACC Cardiovasc Imaging. 2018 ;11(7):1000-1009.
5. Myocardial Extracellular Volume Estimation by CMR Predicts Functional Recovery Following Acute MI. Kidambi A, Motwani M, et al. JACC Cardiovasc Imaging. 2017;10(9):989-999.
6. Machine learning for prediction of all-cause mortality in patients with suspected coronary artery disease: a 5-year multicentre prospective registry analysis. Motwani M et al. Eur Heart J. 2017;38(7):500-507.
7. Quantification of myocardial blood flow with cardiovascular magnetic resonance throughout the cardiac cycle. Motwani M, et al . J Cardiovasc Magn Reson. 2015;17(1):4.
8. Advances in cardiovascular magnetic resonance in ischaemic heart disease and non-ischaemic cardiomyopathies. Motwani M, et al. Heart. 2014;100(21):1722-33.
9. Quantitative three-dimensional cardiovascular magnetic resonance myocardial perfusion imaging in systole and diastole. Motwani M, et al . J Cardiovasc Magn Reson. 2014;16:19.
10. Comparison of cardiovascular magnetic resonance and single-photon emission computed tomography in women with suspected coronary artery disease from the Clinical Evaluation of Magnetic Resonance Imaging in Coronary Heart Disease (CE-MARC) Trial. Greenwood JP, Motwani M, et al . Circulation. 2014;129(10):1129-38.

6. Received Hirsch Index (Year / Index)

h-index = 20

https://scholar.google.co.uk/citations?hl=en&user=DerzHiQAAAAJ&view_op=list_works&sortby=pubdate

7. Received Impact Factor(s) (Year / IF)

For the year 2017, personal impact factor was 289/20 = 14.5

https://scholar.google.co.uk/citations?hl=en&user=DerzHiQAAAAJ&view_op=list_works&sortby=pubdate

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

I have benefitted from great mentors within the EACVI community throughout my career. I truly value the time and effort they invested in my ambitions as well shaping the scientific field in cardiac imaging. I would like to follow their example and feed back into the scientific community with my energy and enthusiasm. I believe my training, dedication and enthusiasm make me well-suited to this position. My personal career goals are the same as the EACVI mission to promote excellence in clinical diagnosis, research, technical development, and education in cardiovascular imaging.