

Vijay Kunadian MBBS, MD, MRCP, FRCP (Edin), FESC, FACC, PG Diploma Clinical Trials (LSHTM)

Current post since 2011: Academic Consultant Interventional Cardiologist
Translational and Clinical Research Institute, Faculty of Medical Sciences
Newcastle University and Freeman Hospital, Newcastle upon Tyne, UK

Qualifications

2021 Inclusive Futures Leadership Course, Newcastle University
2016 Women Transforming Leadership (WTL) Programme, University of Oxford
2013 PG Diploma Clinical Trials, LSHTM, University of London
2013 Fellow European Society of Cardiology (FESC)
2012 Fellow American College of Cardiology (FACC)
2012 Fellow Royal College of Physicians Edinburgh (FRCP)
2017 Doctor of Medicine (MD Research) with Commendation, Newcastle University
2007 British Society of Echocardiography Accreditation, London
2001 Member Royal College of Physicians (MRCP), Edinburgh

Responsibilities National

2020- Theme Lead: Acute Coronary Syndrome, British Cardiovascular Intervention Society (BCIS)/British Heart Foundation (BHF) Clinical Research Collaborative
2020 Programme Committee, RCP Edinburgh Cardiology Symposium
2015- Invited Steering Committee Member, Research and Development Committee, BCIS
2015- Panel member, BCIS Young Investigator Award/Researcher of the Year Award
2011- BCIS: Faculty Member, Advanced Cardiovascular Interventions
2018- British Cardiovascular Society Annual Conference, Faculty member
2016 Chair, RCP Edinburgh Cardiology Symposium

Responsibilities International

European Society of Cardiology

2021 Writing task force member of the ESC Clinical Practice Guidelines on Acute Coronary Syndrome
2020 Expert Reviewer 2020 ESC NSTEMI Clinical Practice Guidelines
2018- Executive Steering Committee Member ESC EORP NSTEMI Registry
2018-20 Associate Editor, EHJ Case Reports
2020- Associate Editor, EHJ Digital Health
2020-22 Steering Committee Member Education Committee
Task Force Lead ESC Policy and Endorsement
2020-22 Steering Committee Member Regulatory Science Committee
Contribution to European Commission-Clinical Evaluation of Coronary Devices
2018-20 Steering Committee Member Education Committee
Task force lead coronary disease/Director ESC Education Webinar series
Link person with ESC Regulatory Science Committee
Facilitator ESC Education Conference 2019, 2020
Contributor ESC Core Curriculum
2018-20 ESC Young Professional Mentor
2018-20 Steering Committee Member Regulatory Science Committee
Training lead and liaison with EAPCI
2018-20 Country Ambassador Patient Forum
2018- ESC Congress Social Media Ambassador
2020 Programme Committee Member ESC Asia, Singapore
2014- Nucleus member, ESC Working Group on Thrombosis
2012- Abstract Reviewer, Faculty member, ESC Congress

European Association of Percutaneous Cardiovascular Interventions (EAPCI)

- 2020-22 Committee Member-Database and Registries Committee
- 2021 Author contributor EAPCI Structural curriculum
- 2018- Board member, Co-Chair Scientific Documents and Initiatives Committee. In this role, I oversaw >20 European Cardiovascular Consensus documents where I am either lead author or co-author
- 2018-20 Associate Editor, Eurointervention
- 2018- Editorial Board Member, PCROnline
- 2018- Board Member, EUROPCR Programme Committee
- 2020 Co-author 2020 Interventional Cardiology Curriculum
- 2013-18 Steering Committee Member Young Committee: Research Lead
- 2013-20 Steering Committee Member Women's Committee: Scientific Committee Member and International Collaborations Lead
- 2017-20 Curriculum/Exam Development Committee
- 2013 Founding member EAPCI Women's Committee

Other International Responsibilities

- 2021 AHA Task Force Member: Consensus document on the management of older patients with ACS
- 2021 Invited Commissioner-Lancet women and CVD commission: reducing the global burden by 2030
- 2016- Invited Board Member, EAPCI/EUROPCR Programme Committee
- 2015- American Heart Association, Faculty Member, Scientific sessions, USA
- 2012- American College of Cardiology: Abstract Reviewer, Faculty, Scientific Sessions
- 2021 Programme Committee, Transcatheter Cardiovascular Therapeutics (TCT), USA
- 2010- Abstract Reviewer, Faculty member, TCT Scientific Sessions USA

EAPCI/ESC Published Consensus documents (lead author, co-author, co-chair EAPCI Scientific Committee)

- 2021 **EAPCI/ESC WG Cellular Biology:** Prognostically relevant periprocedural myocardial injury and infarction associated with PCIs: a Consensus Document of the ESC Working Group on Cellular Biology and EAPCI PMID: 34059914
- 2021 **EAPCI/ACVC:** Joint EAPCI/ACVC expert consensus document on percutaneous ventricular assist devices PMID: 34057071, PMID: 34057071
- 2021 **EAPCI:** European position paper on the management of patients with patent foramen ovale. Part II - Decompression sickness, migraine, arterial deoxygenation syndromes and select high-risk clinical conditions PMID: 33507260
- 2021 **ESC:** Cardiovascular health after menopause transition, pregnancy disorders, and other gynaecologic conditions: a consensus document from European cardiologists, gynaecologists, and endocrinologists PMID: 33495787
- 2020 **ESC Core Curriculum for the Cardiologist-Contributor** PMID: 32862226
- 2021 **ESC:** 2020 ESC Guidelines for the management of NSTEMI- Expert reviewer PMID: 32860058
- 2020 **EAPCI, ESC WG Microcirculation, COVADIS:** An EAPCI Expert Consensus Document on INOCA in Collaboration with ESC WG on Coronary Pathophysiology & Microcirculation Endorsed by Coronary Vasomotor Disorders International Study Group PMID: 32626906 PMID: 32624456
- 2021 **EAPCI:** Core Curriculum for PCI: Committee for Education and Training, writing group PMID: 32624457
- 2020 **EAPCI:** Management of myocardial revascularisation failure: an expert consensus document of the EAPCI PMID: 32597391
- 2020 **EAPCI:** Radiation protection measures and sex distribution in European interventional catheterisation laboratories from the EAPCI Women's Committee. PMID: 30888957
- 2019 **EAPCI/EHRA/ACCA:** Cardiac arrhythmias in the emergency settings of acute coronary syndrome and revascularization: an EHRA consensus document, endorsed by the EAPCI and ACCA. PMID: 31353412
- 2019 **EAPCI:** Clinical use of intracoronary imaging. ACS, ambiguous coronary angiography findings, and guiding interventional decision-making: Expert consensus document of the EAPCI PMID: 31258132 PMID: 31112213

- 2018 **EAPCI:** The invisible army of women in interventional cardiology: EAPCI Women mission to make them visible PMID: 30522984
- 2018 **EAPCI:** Percutaneous coronary and structural interventions in women: a position statement from the EAPCI Women Committee PMID: 29786536
- 2016 **EAPCI/EACVI:** Joint EACVI HIT/EAPCI young survey/ESC CoT survey: training and education for 'multimodality imaging in structural interventions': the rise of a new sub-specialty? PMID: 27628618
- 2016 **EAPCI:** Motivations for and barriers to choosing an interventional cardiology career path: results from the EAPCI Women Committee worldwide survey PMID: 26151955
- 2011 **EAPCI/SCAI:** SCAI consensus document (together with EAPCI Women) on occupational radiation exposure to the pregnant cardiologist and technical personnel PMID: 21252022, PMID: 21241961

Ongoing ESC CPG approved documents as co-author:

- 2021 **ESC WG CPM:** Phenotyping coronary microvascular dysfunction using pathophysiology to guide therapy: challenges and perspectives of the coronary microcirculation assessment in clinical science. A position paper by the ESC Working group on coronary pathophysiology & microcirculation (WG CPM)
- 2021 **EAPCI:** Position paper on how to overcome professional barriers encountered by women in interventional cardiology
- 2021 **EAPCI, ACVC, EAPC:** European consensus document on anti-thrombotic treatment strategies for secondary or tertiary prevention in patients with established coronary atherosclerotic disease: a joint consensus document of the EAPCI, ACVC and EAPC.

Selected awards and recognitions:

- Eurointervention award for INOCA Consensus document, Top Altmetrics, most discussed paper 2020.
- WINNER The UK Times, The Sunday Times We Are The City Healthcare RISING STAR Award 2018 (Top 5 women in Healthcare in 2018)
- NIHR North East and North Cumbria recognition of myself and the SENIOR RITA trial in their 2021 impact report for the most patients recruited into non-COVID research in the North East of England.
- Rated by NICOR to have *"Better than expected survival (at 2 standard deviation level), 30 days following percutaneous coronary intervention" for my patients- 2019*
- British Heart Foundation as their panel member for the Bias and Biology Campaign addressing the disparity of care among female patients with heart disease 2019.
- Invited commissioner, the Lancet, to reduce the global burden of heart disease in women by 2030.
- Invited keynote speaker at the United Nations Commission on Status of Women event in March in 2021 discussing- Women and health: Gender Equality/Equity in Healthcare.
- Best abstract award ICON1 study, ACC Scientific Sessions- Geriatric Cardiology Group, San Diego 2015
- Winning Moderated Poster Award in recognition of outstanding scientific work, ESC Congress 2014
- Finalist, TCT, Thomas J Linnemeier Young Investigator Award- Washington DC, 2010.

Awards/recognitions for my team members where I am lead supervisor

- Wolfson Foundation Intercalated Award for MRes Cardiovascular Science 2021
- ESC Educational Grant Award 2018
- British Cardiovascular Society Annual Conference Award 2018
- Newcastle Cardiovascular Research Centre Best Oral Abstract Award 2018
- Newcastle upon Tyne Hospital Teaching Fellowship Award 2019
- The Frank Knox Memorial Harvard Fellowship Award 2016-2017
- The Barbour Foundation Scholarship Award 2015-2016
- *American Heart Association* International Mentorship Award 2014
- Brazilian Government CAPES PhD Scholarship award, 2014
- NIHR Newcastle Biomedical Research Centre Fellowship award 2013

Journal Editorial Board- Associate Editor: Heart BMJ; EHJ-Digital Health; Circulation Cardiovascular Interventions; Advances in Interventional Cardiology Journal; EHJ- Case Reports Journal (Completed); Eurointervention- Senior Editorial Consultant; Journal of Interventional Cardiology Associate Editor (Completed); Asia Intervention; Eurointervention – Social Media Editorial Board (Completed); PCR Online Journal Club – Editorial Board member

Expert Grant Reviewer for funding bodies: Medical Research Council (MRC), UK National Institute for Health Research (NIHR), British Heart Foundation, European Commission; Expert technology appraiser: NICE

External PhD Examiner: 2018 Doctor of Philosophy, Kings College London; 2017 Doctor of Philosophy Marie Curie University, Paris; 2016 Doctor of Philosophy University of Glasgow

Selected Major Recent Research Publications where I am lead author, co-author or contributor as UK Chief Investigator (excluding consensus documents)

Total publications ~150 (original research, reviews, consensus documents), 11 book chapters

- Ticagrelor with or without Aspirin in High-Risk Patients after PCI. *New England Journal of Medicine*. 2019;381(21):2032-2042 (I am UK Chief Investigator for this trial)
- An EAPCI Expert Consensus Document on INOCA. *European Heart Journal*. 2020; 41(37):3504-20.
- 3- or 1-Month DAPT in Patients at High Bleeding Risk Undergoing Everolimus-Eluting Stent Implantation. *JACC Cardiovascular Interv*. 2021 Sep 13;14(17):1870-1883
- ST-segment elevation myocardial infarction. *Nature Review Disease Primers*. 2019 Jun 6;5(1):39.
- Ticagrelor alone vs. ticagrelor plus aspirin following PCI in patients with NSTEMI. *European Heart Journal*. 2020;41(37):3533-3545.
- Impact of Age on the Safety and Efficacy of Ticagrelor Monotherapy in Patients Undergoing PCI. *JACC Cardiovascular Interv*. 2021 Jul 12;14(13):1434-1446.
- Pharmacodynamics, pharmacokinetics, and safety of single-dose subcutaneous administration of selatogrel, a novel P2Y₁₂ receptor antagonist, in patients with CCS. *EHJ*. 2020;41(33):3132-40
- Timing of Staged Nonculprit Artery Revascularization in Patients With STEMI. *JACC* 2019;74(22):2713-23
- Ticagrelor Monotherapy in Patients at High Bleeding Risk Undergoing PCI: TWILIGHT-HBR. *European Heart Journal* 2021 September
- Ticagrelor Monotherapy in Patients with Chronic Kidney Disease Undergoing PCI: TWILIGHT-CKD. *European Heart Journal*. 2021 Aug 23:ehab533
- Sex Differences Among Patients With High Risk Receiving Ticagrelor With or Without Aspirin After Percutaneous Coronary Intervention: A Subgroup Analysis of the TWILIGHT Randomized Clinical Trial. *JAMA Cardiology*. 2021 May 15:e211720
- Ticagrelor with and without Aspirin after complex PCI. *JACC*. 2020;75(19):2414-24.
- Ticagrelor With or Without Aspirin in High-Risk Patients With Diabetes Mellitus Undergoing PCI. *JACC*. 2020;75(19):2403-2413
- Frailty and quality of life after invasive management for NSTEMI. *Heart BMJ*. 2021 May 14
- Coronary artery lesion phenotype in frail older patients with NSTEMI undergoing invasive care. *EuroIntervention*. 2019 Jun 12;15(3):e261-e268
- Cognitive Decline in Older Patients With NSTEMI. *JAMA*. 2019 Feb 19;321(8):e011218
- One-year clinical outcomes in older patients with NSTEMI undergoing coronary angiography: An analysis of the ICON1 study. *International Journal of Cardiology*. 2019 Jan 1;274:45-51
- Gender Differences in Outcomes and Predictors of All-Cause Mortality After PCI (Data from United Kingdom and Sweden). *American Journal of Cardiology*. 2017 Jan 15;119(2):210-216
- Strategies to attenuate micro-vascular obstruction during P-PCI: the randomized reperfusion facilitated by local adjunctive therapy in STEMI. *EHJ*. 2016 Jun 21;37(24):1910-9 (Role PI).
- Outcomes in patients with cardiogenic shock following PCI in the contemporary era: an analysis from the BCIS database. *JACC Cardiovascular Interv*. 2014 Dec;7(12):1374-85.

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15/11/2021

Application for the ESC Board 2022-2024 to serve as Councillor

Dear Professor Casadei,

I am delighted to apply to the above position. I enclose a letter of support from the British Cardiovascular Society and my short CV.

In everything I do, I aim for excellence with the utmost drive and passion to reduce the global burden of cardiovascular disease putting patients at the heart of everything. I have championed diversity in my specialty as a role model; only 5% of interventional cardiologists are female in the UK, <1% are clinical academics/researchers. I have developed internationally recognised expertise in managing cardiovascular disease among under-served groups (older adults and women with heart disease). I have a strong passion to support and nurture the next generation of cardiologists and have mentored >30 post graduates (PhD, MD-Res, MSc, MPhil) and NIHR Fellows.

I first got involved with EAPCI in 2011 and subsequently with the ESC as outlined above. I have had the privilege to be involved in the various committees within the EAPCI (Young, Women, Scientific, Database and Registries Committees) and ESC (Education, Regulatory Affairs) which enhanced my leadership skills and my knowledge of how ESC and its various associations/working groups work. I have contributed to the ESC and EAPCI Young community with great enthusiasm through my various roles, participation in educational meetings, mentoring, how to sessions and contribution to the ESC and EAPCI curriculums. Working with the ESC and EAPCI, also gave me the opportunity to work with outstanding leaders in the field of cardiovascular medicine in all of the sub-specialties from whom I have drawn great inspirations over the years to be the best I possibly can be. My work/opportunities within the EAPCI and ESC have to a certain extent enabled my recognition as a key opinion leader at local, national and international levels.

I have always felt very proud and strived to promote the ESC as the leading European professional organisation within the field of cardiovascular medicine with significant contribution of my professional time so far. It would be my absolute honour and privilege to serve the ESC in my role as a Councillor if elected contributing to the development and implementation of the ESC strategic plan and the ultimate goal to reduce the burden of cardiovascular heart disease.

I look forward to hearing back from you.

Yours sincerely,
Vijay Kunadian