



Giandomenico Bisaccia, MD, PhD

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Experience

G. d'Annunzio University of Chieti and Pescara, Chieti, Italy

May 2024-present

- Resident in Cardiology
– Attending the local residency program
November 2024-present
- Research Fellow in Cardiology
– Supervised clinical research with focus on clinical applications of cardiovascular magnetic resonance imaging (CMR), with coordination of postgraduate and undergraduate students
May 2024–October 2024

Royal Brompton Hospital, London, UK

May 2023—present

- Honorary Senior Research Fellow (part-time)
– Coordinating a team of 6 CMR fellows at the RBH and Harefield sites on projects related to the clinical applications of CMR; areas of research include quantitative stress perfusion CMR, ischaemic and nonischaemic cardiomyopathies, acute and chronic coronary syndrome, and heart transplantation

Harefield Hospital, London, UK

Sept 2022—May 2023

- Honorary Clinical Research Fellow (full time)
– Prepared initial reports for 300+ clinical CMR scans (undergoing the EACVI CMR Level 3 track)
– Conducted an audit on stress CMR after heart transplantation
– Researched on CMR in patients with angina, cardiomyopathies, and after heart transplantation
– Improved team productivity with data science and coding skills

Education

London School of Economics, London, UK

Dec 2023—Dec 2025

- MSc in Health Economics, Outcomes and Management in Clinical Sciences (class of 2025)
– Programme modules: *Economic Analysis for Health Policy* (Distinction), *Quality and Outcomes in Clinical Sciences* (Distinction), *Economic Evaluation in Health Care* (Merit), *Fundamentals of Management and Leadership* (Distinction), *Using Health Economics to Analyse and Inform Policy and Practice* (under assessment), and *Economic Analysis for Health Policy* (under assessment)
– Class Clinical Student Representative for 2023/24 and 2024/25

G. d'Annunzio University of Chieti and Pescara, Chieti, Italy

- PhD (*Doctor Europaeus*) in Neuroscience and Imaging (marked: excellent)
– Thesis title: *Value of Quantitative Stress Perfusion CMR in the Long-Term Assessment of Cardiac Transplantation Recipients*
– Co-authored 17 peer-reviewed publications
– Supervised 12 undergraduate and 4 postgraduate students
– Presented research findings for 7 original research studies at major international conferences
Oct 2021—Mar 2024
- Master's Degree in Medicine (summa cum laude)
– Thesis title: *CMR Reference Values of Mitral and Tricuspid Annular Dimensions: the UK BioBank Cohort*
– MD-PhD research track
– Path of Excellence research track
Oct 2014—Apr 2021
Nov 2019–Ott 2020
Ott 2016—Ott 2019

Prizes and awards

- Finalist, Young Investigator Award, British Society of Cardiovascular Magnetic Resonance, London, UK April 2025
- Finalist, Early career award (clinical track), CMR 2024, London, UK January 2024
- Winner, Early Career Investigator Travel Grant, AHA Scientific Sessions, Philadelphia, USA November 2023
- Winner, Educational Grant, EACVI Conference, Barcelona, Spain May 2023
- Winner, Travel Grant, SCMR Conference, San Diego, USA January 2023
- Awardee, «Path of Excellence» in Medicine, University of Chieti and Pescara, Italy October 2019

Grants

- REFINE-StressCMR, Royal Brompton Hospital Charity (co-applicant, £39,606) February 2025
 - To develop and validate a standardized framework for the interpretation and reporting of qualitative and quantitative stress CMR findings
- British Cardiovascular Society-Heart Research UK Clinical Fellowship Scheme (co-applicant, £16,000) December 2024
 - For a team from Harefield Hospital to undertake a weekly site visit to the CMR Unit at Brigham and Womens' Hospital and Harvard Medical School, Boston, Massachusetts, USA, with the aim to familiarise with AI-powered, automated, accelerated cardiac MRI acquisition software
- ULTRALIGHT-HCM, Italian Ministry of Public Education (co-applicant, € 299,604) July 2023
 - To perform deep cardiovascular phenotyping on athletes with left ventricular hypertrophy, using cardiac MRI and advanced genetic testing to identify features predictive of hypertrophic cardiomyopathy

Leadership and appointments

- Member, Science Committee, SCMR 2025-2026
- Member, COI Mitigation Committee, SCMR 2025-2026
- Member, Education Committee, SCMR 2025-2026
- Member, Web & Communication Committee, EACVI 2024-2026
- Editor, SCMR Journal Watch (monthly newsletter «SCMR NewsBeat») 2024-present
- Oral Abstract Moderator, SCMR 2025, Washington, USA January 2025
- Abstract reviewer, ACC.25, Chicago, USA November 2024
- Peer review activity for the following journals in the last 5 years: *European Heart Journal*, *The International Journal of Cardiovascular Imaging*, *Open Heart*, *Journal of Clinical Medicine*, *Frontiers in Public Health*, *Medicina*, *Children*

Affiliations

- Member of the
 - British Cardiovascular Society 2024-present
 - American Heart Association 2023-present
 - American College of Cardiology (Fellow in Training) 2022-present
 - Society for Cardiovascular Magnetic Resonance (Early Career working group) 2022-present
 - European Society of Cardiology (Professional member) 2021-present
 - European Association of Cardiovascular Imaging 2021-present
 - Italian Society of Cardiology (CMR, Sex differences working groups) 2021-present

Teaching

University of Padua, Italy

- Lecturer, MSc in Cardiovascular Magnetic Resonance (course convenor: Prof. M. Perazzolo Marra)
 - “Principal investigation protocols in CMR” 2025
 - “CMR safety” 2024-2025

G. d'Annunzio University of Chieti and Pescara, Chieti, Italy

- Guest lecturer on Clinical applications of CMR, Undergraduate radiographer course 2024-2025

Licenses

- Undergoing the EACVI CMR Level 3 certification pathway (passed the written component) November 2024
- Good Clinical Practice certification. *National Institute for Health and Care Research*, London, UK Oct 2022
- UK General Medical Council, reference number 8023039 Feb 2023
- “Ordine dei Medici-Chirurghi ed Odontoiatri”, Chieti, Italy, medical license number 5690 May 2021

Skills and languages

- Clinical research
 - systematic review and meta-analysis (5 published), diagnostic studies (accuracy, clinical utility), prognostic studies (survival analysis and modeling)
 - cost-effectiveness analysis and health technology assessment
- Data science and IT
 - Strong data science skills with specific expertise in R, Quarto, Shiny, Git and [Github](#), creation and maintenance of REDCap projects
- English language
 - International English Language Testing System (IELTS) Nov 2023
 - * Academic english. Listening 9.0; Reading 9.0; Speaking 8.5; Writing 7.5 (scored 1 to 10)
 - Occupational English Test (OET) Feb 2023
 - * Medical english. Listening A; Reading A; Speaking B; Writing B (scored E to A)

Certified courses, workshops, and hackathons

- Introduction to R for Economic Evaluation (online course), Dark Peak Analytics November-December 2024
- Stress CMR: A Hands-On Workshop, SCMR, ACC Heart House, Washington D.C., USA 4-5 October 2024
- HFA Clinical Trials in Heart Failure Course, Naples, Italy 20-22 September 2024
- R in HTA Hackathon, Queen's University Belfast, UK 5-6 August 2024
- R for trial and model-based cost-effectiveness analysis workshop, SCHARR, University of Sheffield, UK 28 June 2024
- Productive R Workflow course, online certification April 2024
- Clinical CMR Course (3 months, full-time), Royal Brompton Hospital, London, UK October-December 2022

Scientific publications

I have authored 21 Scopus-indexed scientific publications, where I contributed to literature review, statistical analyses, manuscript drafting, and/or preparation of tables, visual illustrations, and figures. My publications may also be accessed on [NCBI](#).

ORIGINAL RESEARCH

Safety and feasibility of adenosine stress cardiac MRI in heart transplant recipients (2024). G. Bisaccia, R. Licordari, I. Leo, G. La Vecchia, M. Perotto, M. C. Procopio, N. Miaris, F. Ricci, S. Gallina, J. Wong, P. Kellman and C. Bucciarelli-Ducci. *European Heart Journal - Cardiovascular Imaging*.

Atrial electro-functional predictors of incident atrial fibrillation in cardiac amyloidosis (2024). G. Sinigiani, L. De Michieli, A. Porcari, C. Zocchi, A. Sorella, C. Mazzoni, G. Bisaccia, A. De Luca, G. Di Bella, D. Gregori, F. Perfetto, M. Merlo, G. Sinagra, S. Iliceto, M. Perazzolo Marra, D. Corrado, F. Ricci, F. Cappelli and A. Cipriani. *Heart Rhythm*.

Guillain–Barré syndrome and COVID-19 vaccination: a systematic review and meta-analysis (2024). S. Censi, G. Bisaccia, S. Gallina, V. Tomassini and A. Uncini. *Journal of Neurology*.

Cardiovascular Magnetic Resonance in Patients with Cardiac Electronic Devices: Evidence from a Multicenter Study (2023). A. Barison, F. Ricci, A. G. Pavon, G. Muscogiuri, G. Bisaccia, G. Camastra, M. De Lazzari, C. Lanzillo, M. Raguso, L. Monti, S. Vargiu, P. Pedrotti, M. Piacenti, G. Todiere, G. Pontone, C. Indolfi, S. Dellegrottaglie, M. Lombardi, J. Schwitter, G. D. Aquaro, *Heart*.

Diagnostic and Prognostic Value of Stress Cardiovascular Magnetic Resonance Imaging in Patients With Known or Suspected Coronary Artery Disease: A Systematic Review and Meta-analysis (2023). F. Ricci, M. Y. Khanji, G. Bisaccia, A. Cipriani, A. Di Cesare, L. Ceriello, C. Mantini, M. Zimarino, A. Fedorowski, S. Gallina, S. E. Petersen and C. Bucciarelli-Ducci. *JAMA Cardiology*.

Prognostic Significance of Late Gadolinium Enhancement in Fabry Disease-A Systematic Review and Meta-Analysis (2023). F. Ricci, G. Bisaccia, D. Mansour, L. V. Molinari, M. Di Mauro, G. Renda, M. Y. Khanji and S. Gallina. *The American Journal of Cardiology*.

CMR Reclassifies the Majority of Patients with Suspected MINOCA and non MINOCA (2023). K. Liang, G. Bisaccia, I. Leo, M. G. L. Williams, A. Dastidar, J. W. Strange, E. Sammut, T. W. Johnson and C. Bucciarelli-Ducci. *European Heart Journal - Cardiovascular Imaging*.

Guillain-Barre syndrome and SARS-CoV-2 infection: a systematic review and meta-analysis on a debated issue and evidence for the ‘Italian factor’ (2023). S. Censi, G. Bisaccia, S. Gallina, V. Tomassini and A. Uncini. *European Journal of Neurology*.

Cardiovascular Morbidity and Mortality Related to Non-alcoholic Fatty Liver Disease: A Systematic Review and Meta-analysis (2023). G. Bisaccia, F. Ricci, M. Y. Khanji, A. Sorella, E. Melchiorre, G. Iannetti, K. Galanti, C. Mantini, A. D. Pizzi, C. Tana, G. Renda, A. Fedorowski, R. De Caterina and S. Gallina. *Current Problems in Cardiology*.

Cardiovascular magnetic resonance reference values of mitral and tricuspid annular dimensions: the UK Biobank cohort (2021). F. Ricci, N. Aung, S. Gallina, F. Zemrak, K. Fung, G. Bisaccia, J. M. Paiva, M. Y. Khanji, C. Mantini and S. Palermi. *Journal of Cardiovascular Magnetic Resonance*.

REVIEWS

Cardiac Magnetic Resonance Imaging: A Utility in Heart Failure (2024). G. Bisaccia and C. Bucciarelli-Ducci. *Heart Failure Journal of India*.

Prevention of cardiotoxicity in childhood cancer survivors: in physical exercise, we trust (2024). V. Bucciarelli, F. Bianco, G. Bisaccia, K. Galanti, A. Arata, M. Ricci, B. Bucciarelli, M. Marinelli, G. Renda, A. Farinetti, A. V. Mattioli and S. Gallina. *Current Problems in Cardiology*.

Moderate aortic stenosis: Navigating the uncharted (2024). M. V. Caprio, F. De Donno, G. Bisaccia, C. Mantini, A. Di Baldassarre, S. Gallina, M. Y. Khanji and F. Ricci. *Echocardiography*.

Underlying mechanisms and cardioprotective effects of SGLT2i and GLP-1Ra: insights from cardiovascular magnetic resonance (2024). A. Cersosimo, N. Salerno, J. Sabatino, A. Scatteia, **G. Bisaccia**, S. De Rosa, S. Dellegrottaglie, C. Bucciarelli-Ducci, D. Torella and I. Leo. *Cardiovascular Diabetology*.

The Role of Multimodality Imaging in Pediatric Cardiomyopathies (2023). S. Moscatelli, I. Leo, F. Bianco, N. Borrelli, M. Beltrami, M. Garofalo, E. G. Milano, **G. Bisaccia**, F. Iellamo, P. P. Bassareo, A. Pradhan, A. Cimini and M. A. Perrone. *Journal of Clinical Medicine*.

The Role of Advanced Cardiovascular Imaging Modalities in Cardio-Oncology: From Early Detection to Unravelling Mechanisms of Cardiotoxicity (2023). I. Leo, M. Vidula, **G. Bisaccia**, M. C. Procopio, R. Licordari, M. Perotto, G. La Vecchia, N. Miaris, P. E. Bravo and C. Bucciarelli-Ducci. *Journal of Clinical Medicine*.

Imaging patients with myocardial infarction with non-obstructive coronary arteries (MINOCA) (2023). I. Leo, **G. Bisaccia**, N. Miaris, M. C. Procopio, R. Licordari and C. Bucciarelli-Ducci. *Heart*.

Prognostic Value of High-Sensitivity Cardiac Troponin in Women (2022). **G. Bisaccia**, F. Ricci, M. Y. Khanji, G. Gaggi, A. Di Credico, S. Gallina, A. Di Baldassarre and B. Ghinassi. *Biomolecules*.

Post-Acute Sequelae of COVID-19 and Cardiovascular Autonomic Dysfunction: What Do We Know? (2021). **G. Bisaccia**, F. Ricci, V. Recce, A. Serio, G. Iannetti, A. A. Chahal, M. Stahlberg, M. Y. Khanji, A. Fedorowski and S. Gallina. *Journal of Cardiovascular Development and Disease*.

Mitochondrial Dysfunction and Heart Disease: Critical Appraisal of an Overlooked Association (2021). **G. Bisaccia**, F. Ricci, S. Gallina, A. Di Baldassarre and B. Ghinassi. *International Journal of Molecular Sciences*.

Nonalcoholic fatty liver disease and cardiovascular disease phenotypes (2020). **G. Bisaccia**, F. Ricci, C. Mantini, C. Tana, G. L. Romani, C. Schiavone and S. Gallina. *SAGE Open Medicine*.

CASE REPORTS

Two Hearts Beating in One Chest I. Leo, **G. Bisaccia**, J. Wong, F. Riesgo-Gil, P. Kellman and C. Bucciarelli-Ducci. *Circulation: Cardiovascular Imaging*.

Conference presentations

EUROPEAN SOCIETY OF CARDIOLOGY

Non-invasive imaging to guide percutaneous coronary revascularization in chronic total occlusion: a systematic review and meta-analysis. Presenting author: **G. Bisaccia**. ESC Congress, London, UK (August 2024)

Prognostic yield of stress CMR to evaluate chronic coronary syndromes: a systematic review and meta-analysis. Presenting author: **G. Bisaccia**. ESC Congress, Barcelona, Spain (August 2022)

Diagnostic accuracy of stress CMR to evaluate chronic coronary syndromes: an updated meta-analysis. Presenting author: **G. Bisaccia**. ESC Congress, Barcelona, Spain (August 2022)

Cardiovascular morbidity and mortality related to non-alcoholic fatty liver disease: a systematic review and meta-analysis of prospective studies. Presenting author: **G. Bisaccia**. ESC Congress (The Digital Experience) (August 2021)

AMERICAN HEART ASSOCIATION

Comparative and Incremental Diagnostic and Prognostic Yield of Exercise ECG, CMR and SPECT in Patients With Suspected Ischaemic Heart Disease: A CE-MARC Sub-Study. Presenting author: **G. Bisaccia**. AHA Scientific Sessions, Philadelphia, USA (Nov 2023)

SOCIETY FOR CARDIOVASCULAR MAGNETIC RESONANCE

Impact of Age and Sex on Myocardial Involvement in hospitalized COVID-19 patients: A Pre-specified Subanalysis of COVID-HEART. Presenting author: **G. Bisaccia**. SCMR Scientific Sessions 2025 in Washington, US (Jan 2025).

Prognostic Value of Myocardial Blood Flow Index Among Heart Transplant Recipients. Presenting author: **G. Bisaccia**. CMR 2024, London, UK (Jan 2024).

Safety and Feasibility of Adenosine Stress CMR for CAV Detection in Orthotopic Heart Transplant Recipients. Presenting author: **G. Bisaccia**. CMR 2024 London, UK (Jan 2024).

Diagnostic and Prognostic Value of Stress CMR Imaging to Evaluate Stable Chest Pain: A Twenty-Year Meta-Analysis. Presenting author: **G. Bisaccia**. SCMR 2023 San Diego, US (Jan 2023).

EUROPEAN ASSOCIATION OF CARDIOVASCULAR IMAGING

CMR reclassifies patients with suspected myocardial infarction with non-obstructive coronary arteries (MINOCA). Presenting author: **G. Bisaccia**. EACVI, Barcelona, Spain (May 2023)