



Giandomenico Bisaccia, MD, PhD

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Experience

G. D'ANNUNZIO UNIVERSITY OF CHIETI AND PESCARA, CHIETI, ITALY

Resident in Cardiology

Nov 2024-present

- Attending the local 4-year Residency Program

Research Fellow in Cardiology

May 2024-Oct 2024

- Supervised clinical research with focus on clinical applications of cardiovascular magnetic resonance imaging (CMR), with coordination of postgraduate and undergraduate students

ROYAL BROMPTON AND HAREFIELD HOSPITALS, LONDON, UK

Honorary Senior Research Fellow (part-time)

May 2023—present

- Coordinating a team of 6 CMR fellows at RBH and Harefield sites; areas of research include quantitative stress perfusion CMR, ischaemic and nonischaemic cardiomyopathies, acute and chronic coronary syndromes, and heart transplantation

Honorary Clinical Research Fellow (full time)

Sept 2022—May 2023

- Prepared initial reports for 300+ clinical CMR scans (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 & POLITICAL SCIENCE, LONDON, UK

MSc in Health Economics, Outcomes and Management in Clinical Sciences

Dec 2023—Dec 2025

- Modules included *Economic Analysis for Health Policy*, *Quality and Outcomes in Clinical Sciences*, *Economic Evaluation in Health Care*, *Fundamentals of Management and Leadership*, *Using Health Economics to Analyse and Inform Policy and Practice*, and *Economic Analysis for Health Policy*
- 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)

Oct 2021—Mar 2024

- Thesis title: *Value of Quantitative Stress Perfusion CMR in the Long-Term Assessment of Cardiac Transplantation Recipients*
- Co-authored 17 peer-reviewed publications
- Co-supervised 12 undergraduate and 4 postgraduate students
- Presented research findings for 7 original research studies at major international conferences

Master's Degree in Medicine (*summa cum laude*)

Oct 2014—Apr 2021

- Thesis title: *CMR Reference Values of Mitral and Tricuspid Annular Dimensions: the UK BioBank Cohort*
- MD-PhD research track
- Path of Excellence research track

Nov 2019-Ott 2020

Ott 2016—Ott 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, Massachussets, 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

Prizes and awards

- Finalist, *Young Investigator Award*, BSCMR 20th Annual Meeting, 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 Congress, Barcelona, Spain May 2023
- Winner, *Travel Grant*, SCMR Scientific Sessions, San Diego, USA January 2023
- Awardee, «*Path of Excellence*» in Medicine, University of Chieti and Pescara, Italy October 2019

Leadership and appointments

EUROPEAN SOCIETY OF CARDIOLOGY (ESC)

- Alumni Task Force Member, European Heart Academy 2025-2026

SOCIETY FOR CARDIOVASCULAR MAGNETIC RESONANCE (SCMR)

- Editor, Journal Watch column (monthly newsletter «SCMR NewsBeat») 2024-present
- Member, Science Committee 2025-2026
- Member, Education & COI Mitigation Committee 2025-2026
- Oral Abstract Moderator, SCMR 2025, Washington, USA January 2025

EUROPEAN ASSOCIATION OF CARDIOVASCULAR IMAGING (EACVI)

- Member, Web & Communication Committee 2025-2026

OTHER APPOINTMENTS

- Abstract reviewer, ACC.25, Chicago, USA November 2024
- Continued scientific peer review activity, including for the following journals since 2020: *European Heart Journal*, *The International Journal of Cardiovascular Imaging*, *Open Heart*.

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

Teaching and consultancy

LONDON SCHOOL OF ECONOMICS & POLITICAL SCIENCE, LONDON, UK

Consultant, LSE Health

2025-present

- Economic evaluation of cardiovascular disease interventions

UNIVERSITY OF PADUA, ITALY

Lecturer, MSc in Cardiovascular Magnetic Resonance

2025-present

- Course convenor: Prof. M. Perazzolo Marra
- “Principal investigation protocols in CMR”
- “CMR safety”

2025

2024-2025

G. D'ANNUNZIO UNIVERSITY OF CHIETI AND PESCARA, CHIETI, ITALY

Lecturer, MSc in Cardiovascular Magnetic Resonance

2025-present

- Undergraduate radiographer course

2024-2025

Skills

- 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, REDCap

Certified courses, workshops, and hackathons

- *Introduction to R for Economic Evaluation*, Dark Peak Analytics, online 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*, 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*, online certification April 2024
- *Clinical CMR* (3 month course, full-time), Royal Brompton Hospital, London, UK October-December 2022

Affiliations

- Italian Association of Hospital Cardiologists (ANMCO) 2025-present
- British Cardiovascular Society 2024-present
- British Society of Cardiovascular Magnetic Resonance 2024-present
- American Heart Association 2023-present
- American College of Cardiology 2022-present
- Society for Cardiovascular Magnetic Resonance 2022-present
- European Society of Cardiology 2021-present
- European Association of Cardiovascular Imaging 2021-present
- Italian Society of Cardiology 2021-present

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)

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)

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).

Early Career Award finalist - CMR as the First Line Test Compared to Exercise ECG and SPECT in Patients with Stable Chest Pain: Insights from CE-MARC. Presenting author: **G. Bisaccia**. CMR 2024, London, UK (Jan 2024).

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).

BRITISH SOCIETY OF CARDIOVASCULAR MAGNETIC RESONANCE

Young Investigator Award finalist - How late is too late? Influence of scan timing on CMR's diagnostic yield in suspected MINOCA. Presenting author: **G. Bisaccia**. BSCMR Annual Conference 2025, London, UK (Mar 2025).