Giandomenico Bisaccia, MD, PhD

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Experience

G. d'Annunzio University of Chieti and Pescara, Chieti, Italy   May 2024-present

- Research fellow in cardiology
  - Conducting supervised clinical research with focus on clinical applications of cardiovascular magnetic resonance (CMR)
  - Coordinating undergraduate and postgraduate students

Royal Brompton Hospital, London, UK   May 2023—present

- Honorary clinical research fellowship (part-time)
  - Investigating the following research topics:
    * quantitative stress perfusion CMR
    * ischaemic and nonischaemic cardiomyopathies
    * CMR guidance to percutaneous revascularization

Harefield Hospital, London, UK   Sept 2022—May 2023

- Honorary clinical research fellowship (full time)
  - Prepared initial reports for 250+ clinical CMR scans
  - Conducted a clinical audit on the safety and feasibility of adenosine stress CMR after heart transplantation
  - Researched the clinical value of CMR in patients with angina, cardiomyopathies, and after cardiac transplantation
  - Improved research productivity among peers

Education

London School of Economics, London, UK   Dec 2023—Dec 2025

- MSc in Health Economics, Outcomes and Management in Clinical Sciences (class of 2025)
  - Taught modules included:
    * Economic Analysis for Health Policy (distinction)
    * Quality and Outcomes in Clinical Sciences (distinction)
    * Economic Evaluation in Health Care (under assessment)
    * Fundamentals of Management and Leadership (under assessment)
  - Volunteered as the class Clinical Student Representative for 2023/24

Royal Brompton Hospital, London, UK   Oct—Dec 2022

- Clinical CMR training course
  - Underwent full-time training in CMR under Level 3 certified experts
  - Contributed to the CMR service of the hospital

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

- PhD in Neuroscience and Imaging   Oct 2021—Mar 2024
  - Thesis title: *Value of Quantitative Stress Perfusion CMR in the Long-Term Assessment of Cardiac Transplantation Recipients*

  Additional qualification: *Doctor Europaeus* (international supervision, revision and examination; PhD defended in English)
  - Established an international collaboration between the University of Chieti, Italy and Harefield Hospital, London, UK

- 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 for cardiology (European Society of Cardiology Congress, American Heart Association Scientific Sessions) and cardiovascular imaging (European Association of Cardiovascular Imaging, Society for Cardiovascular Magnetic Resonance)
- Was a finalist in the CMR 2024 Early Career Award, clinical track (2024)

- 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*

- «Path of Excellence» research track in Medicine   Oct 2016—Oct 2019

Teaching

G. d'Annunzio University of Chieti and Pescara, Chieti, Italy   May 2024

- Honorary teaching assistant in clinical applications of CMR, Undergraduate radiographer course

University of Padua, Italy   Jan 2024

- Lecture on CMR safety, MSc in Cardiac magnetic resonance imaging

Professional licenses

Good Clinical Practice certification. *National Institute for Health and Care Research*, London, UK   Oct 2022

Basic Life Support Provider, American Heart Association. *"Dinamica" Training Center*, Rome, Italy   Jun 2021

- Medical licenses
  - UK: General Medical Council, reference number 8023039   Feb 2023
  - Italy: "Ordine dei Medici-Chirurghi ed Odontoiatri", Chieti, reference number 5690   May 2021

Professional skills

- Clinical research
  - systematic review and meta-analysis (5 published)
  - diagnostic studies (accuracy, clinical utility)
  - prognostic studies (data scraping, survival analysis)
  - cost-effectiveness analysis and health technology assessment
- Data science
  - Strong data modelling skills, R
  - Data visualizations
  - Dynamic, reproducible reporting in Quarto
  - Development and deployment of server-based Shiny applications
- IT
  - Proficient in Word, Excel, Powerpoint
  - Creation and maintainance of REDCap projects and Git repositories
  - Basic Adobe Illustrator
  - Prior experience in MATLAB
  - Basic LaTeX

Language certifications

- 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)

Professional affiliations

- Membership to scientific societies
    - 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
- Participation to working groups
    - SCMR Early career   2022—present
    - ACC Fellow in training   2022—present
    - Italian Society of Cardiology
        * Cardiovascular magnetic resonance imaging applications
        * Sex differences in cardiovascular disease

Grants

- Participant to research unit for the "ULTRALIGHT-HCM" study, funded by the Italian Ministry of Public Education (PRIN PNRR) for € 299,604   July 2023

Prizes and awards

- Finalist, Early career award (clinical track), CMR 2024, London, UK   Jan 2024
- Early Career Investigator Travel Grant, AHA Scientific Sessions, Philadelphia, USA   November 2023
- Educational Grant, EACVI Conference, Barcelona, Spain   May 2023
- Travel Grant, SCMR Conference, San Diego, USA   Jan 2023

Main presentations at conferences

Prognostic Value of Myocardial Blood Flow Index Among Heart Transplant Recipients. **G. Bisaccia**, R. Licordari, I. Leo, G. La Vecchia, M. Perotto, M. C. Procopio, F. Ricci, S. Gallina, J. Wong and C. Bucciarelli-Ducci. Presented at CMR 2024 (Jan 2024).

Safety and Feasibility of Adenosine Stress CMR for CAV Detection in Orthotopic Heart Transplant Recipients. **G. Bisaccia**, R. Licordari, I. Leo, G. La Vecchia, M. Perotto, M. C. Procopio, F. Ricci, S. Gallina, J. Wong and C. Bucciarelli-Ducci. Presented at CMR 2024 (Jan 2024).

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. **G. Bisaccia**, P. P. Swoboda, C. Bucciarelli-Ducci, S. Plein and J. Greenwood. Presented at AHA Scientific Sessions, Philadelphia, USA (Nov 2023)

CMR reclassifies patients with suspected myocardial infarction with non-obstructive coronary arteries (MINOCA). **G. Bisaccia**, K. Liang, M. G. L. Williams, I. Leo, A. Dastidar, E. Sammut, T. Johnson and C. Bucciarelli-Ducci. Presented at EACVI, Barcelona, Spain (May 2023)

Prognostic yield of stress CMR to evaluate chronic coronary syndromes: a systematic review and meta-analysis. **G. Bisaccia**, M. Khanji, S. Gallina, S. Petersen, C. Bucciarelli-Ducci and F. Ricci. Presented at ESC Congress, Barcelona, Spain (August 2022)

Diagnostic accuracy of stress CMR to evaluate chronic coronary syndromes: an updated meta-analysis. **G. Bisaccia**, M. Khanji, S. Gallina, S. Petersen, C. Bucciarelli-Ducci and F. Ricci. Presented at 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. **G. Bisaccia**, F. Ricci, E. Melchiorre, C. Tana, G. Renda, M. Khanji, A. Fedorowski, R. De Caterina and S. Gallina. Presented at ESC Congress (The Digital Experience) (August 2021)

Publications

Please refer to my List of publications.

References

Available upon request.