



## Andrea Barison

[Redacted contact information]

### ABOUT ME

Dr. Andrea Barison is consultant cardiologist at the Fondazione CNR/Regione Toscana in Pisa (Italy) since 2013. He graduated in Medicine at the University of Pisa and the Scuola Superiore Sant'Anna in 2005, specialized in Cardiology at the Cardiac, Thoracic and Vascular Department of the University of Pisa in 2009 and obtained a PhD in Translational Medicine at the Scuola Superiore Sant'Anna in 2013. His clinical and research activities comprise cardiology and cardiovascular imaging, with a particular focus on cardiomyopathies and cardiac magnetic resonance. He is Affiliate Researcher at the "Health Science" Interdisciplinary Center of the Scuola Superiore Sant'Anna (Pisa, Italy) since 2018 and Faculty Member of the PhD Programme "Health Science, Technology and Management".

### WORK EXPERIENCE

#### MD, PhD, Consultant Cardiologist

**Fondazione Toscana Gabriele Monasterio** [ 31/10/2009 – Current ]

Address: Via Moruzzi, 1, 56124 Pisa (Italy) | Website: <http://www.ftgm.it>

#### Affiliate Researcher

**"Health Science" Interdisciplinary Center, Scuola Superiore Sant'Anna, Pisa** [ 12/02/2018 – Current ]

Address: Piazza Martiri della Libertà, 33, 56127 Pisa (Italy) | Website: [www.santannapisa.it](http://www.santannapisa.it) | Business or sector: Education

### EDUCATION AND TRAINING

#### High school degree "Diploma di Maturità scientifica" (100/100)

**High School "Liceo Scientifico Statale - E. Majorana"** [ 14/09/1994 – 14/07/1999 ]

Address: Via Matteotti, 30035 Mirano (Venice) (Italy) | Website: <http://www.majoranacorner.it/>

#### Degree in Medicine and Surgery (110/110 cum laude)

**University of Pisa** [ 30/09/1999 – 24/10/2005 ]

Address: Via Roma, 55, 56126 Pisa (Italy) | Website: <http://www.unipi.it>

#### Honors Diploma in Medical Sciences (100/100 cum laude)

**Scuola Superiore Sant'Anna** [ 30/09/1999 – 30/10/2006 ]

Address: Piazza Martiri della Libertà, 33, 56127 Pisa (Italy) | Website: <http://www.sssup.it>

#### License to practise in Medicine and Surgery

**University of Pisa** [ 31/10/2005 – 14/02/2006 ]

Address: Via Roma, 55, 56126 Pisa (Italy)

#### Specialization in Cardiology (110/110 cum laude)

**University of Pisa - Cardiac Thoracic and Vascular Department** [ 31/07/2006 – 27/10/2009 ]

Address: Via Paradisa, 2, 56124 Pisa (PI) (Italy) | Website: <http://www.ao-pisa.toscana.it>

## PhD in Innovative strategies in Biomedical Research (100/100 cum laude)

*Scuola Superiore Sant'Anna* [ 19/01/2010 – 19/01/2013 ]

Address: Piazza Martiri 33, 56127 Pisa (Italy) | Website: <http://www.sssup.it>

PhD program in "Myocardial interstitium remodeling and evolution of cardiomyopathies: a novel cardiac magnetic resonance approach"

## Fellowship in Cardiovascular Magnetic Resonance

*The Heart Hospital Imaging Centre, UCL and UCLH* [ 09/03/2012 – 01/09/2012 ]

Address: 16-18 Westmoreland Street, W1G 8PH London (United Kingdom) | Website: <http://www.thhic.com/>

6-month clinical and research course in CMR, with focus on cardiomyopathies, T1-mapping and T2-mapping

## LANGUAGE SKILLS

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**Mother tongue(s):** Italian

**Other language(s):**

### English

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

### French

LISTENING A1 READING A1 WRITING A1

SPOKEN PRODUCTION A1 SPOKEN INTERACTION A1

*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*

## PUBLICATIONS

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**Bibliometric data (as of July 2024) ORCID ID 0000-0001-9042-340X**

Scopus ID 24597524200	198 documents, 4873 citations, 39 h-index
Web of Science ResearcherID J-3609-2016	322 documents, 4456 citations, 38 h-index
Google Scholar	110 i10-documents, 6602 citations, 43 h-index

**Reviewing and Editing Reviewer** for the following Journals:

- Cardiovascular Ultrasound
- European Heart Journal – Cardiovascular imaging
- European Heart Journal – Imaging Methods and Practice
- Frontiers in Cardiovascular Medicine
- Heart and Vessels
- Heart Failure Reviews
- International Journal of Cardiology
- International Journal of Cardiovascular Imaging
- Journal of Cardiovascular Development and Disease
- Journal of Cardiovascular Magnetic Resonance
- Journal of Cardiovascular Medicine
- Journal of Clinical Medicine
- Magnetic Resonance Imaging
- Open heart
- PloS one

Review **Editor** for "Frontiers in Cardiovascular Medicine - Cardiovascular Imaging" since 2022  
Associate **Editor** for "European Heart Journal – Imaging Methods and Practice" since 2023

## NETWORKS AND MEMBERSHIPS

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**Scientific memberships** -Member of the **European Heart Failure Association (HFA)** of the European Society of Cardiology (ESC), ESC ID 239549 since Jan 2015  
-Member of the **European Association for Cardiovascular Imaging (EACVI)** of the European Society of Cardiology (ESC), ESC ID 239549 since Jan 2015  
-Adjunct member (question writer) of the European CMR exam board of the European Society of Cardiology (ESC) since May 2015  
-Member of the **Working Group on Myocardial & Pericardial Diseases** of the European Society of Cardiology (ESC), ESC ID 239549, since Dec 2016  
-Member of the **Society for Cardiovascular Magnetic Resonance (SCMR)** since 2016, ID 38968087; Fellow of the SCMR (FSCMR) since 2022  
-Member of the **Italian Network for Laminopathies**, coordinated by Dr. Giovanna Lattanzi, since Oct 2012  
-Member of the **Italian Society of Cardiology (SIC)** since 2016  
-Chairman of the Cardiac Magnetic Resonance Working Group and Coordinator of the Imaging Cluster of Italian Society of Cardiology (SIC) for the years 2019-2022  
-Member of the Research and Innovation Committee of the European Association for Cardiovascular Imaging of the ESC (EACVI) for the years 2022-2024, Coordinator of the "Research, News and Debates" section

## HONOURS AND AWARDS

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### Awards and Grants

- International physics olympiad, organized by the University of Padua (Italy) in April-July 1999, with qualification in the Italian national team and achievement of an "honourable mention"
- Award "Premio Prof. Roberto Tongiani", reserved to the first-classified among the undergraduate students in Medicine admitted to the Scuola Superiore Sant'Anna, Academic Year 1999-2000
- Young Investigator Award finalist (five best oral abstracts), EuroCMR Congress, Wien, May 2014 – "T1 mapping cardiovascular magnetic resonance in nonischaemic dilated cardiomyopathy: prognostic significance of myocardial extracellular volume fraction»
- Principal investigator of the project "Myocardial perfusion imaging with cardiovascular magnetic resonance and hyperpolarized contrast media", GR-2016-02361586, funded by the Italian Ministry of Health (Bando Ricerca Finalizzata 2016)

## CERTIFICATIONS

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### Scientific Certifications

- ACC/ASNC basic accreditation in **Nuclear Cardiology**, July 2007, Pisa (Italy)
- European Accreditation for **Cardiovascular Magnetic Resonance (Level 3)** by the Working Group on Cardiovascular Magnetic Resonance of the European Society of Cardiology (ESC), February 2011, Nice (France)  
- <http://www.escardio.org/communities/EACVI/accreditation/cmr/>
- Italian Accreditation for **Prehospital Emergency Medicine**, by the University of Florence (Italy), February to September 2011, ASL Empoli (Italy)
- European Accreditation for **Cardiac Computed Tomography (Level 1)** by the European Society of Cardiology (ESC), May 2019, Lisbon (Portugal)

## TEACHING AND TUTORING

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[ 08/11/2020 ]

**National Academic Qualification as Associate Professor of Cardiology (ASN II Fascia - settore 06/D1 - 2018/2020)**

[ 12/2018 – Current ]

### Teaching activities in Academic Courses

Teacher at the II Level Master on "**Fisiopatologia Clinica e management dello scompenso cardiaco**" (since 2019) - Institute of Life Sciences, Scuola Superiore Sant'Anna, Pisa

Teacher at the II Level Master on "**Trattamento percutaneo della malattia coronarica**" (2019) - Institute of Life Sciences, Scuola Superiore Sant'Anna, Pisa

Teacher at the PhD Course in Translational Medicine ("**Imaging Techniques in Biomedical Research: from Cells to Humans**", since 2021) - Institute of Life Sciences, Scuola Superiore Sant'Anna, Pisa

Teacher and Member of the Academic Board of the PhD Course "**Health Science, Technology and Management**" (since 2021) - Institute of Life Sciences, Scuola Superiore Sant'Anna, Pisa

Teacher at the II Level Master on "**Clinical Competence in Terapia Intensiva Cardiologica**" (since 2021) - University of Florence

### Tutoring undergraduate, MD and PhD students

-Tutoring undergraduate students, residents, PhD student, visiting fellows attending the Cardiovascular magnetic resonance Lab of the Fondazione Toscana Gabriele Monasterio, Pisa, since 2010

-Tutoring undergraduate students, residents, PhD student, visiting fellows attending the Cardiology and Cardiovascular Unit of the Fondazione Toscana Gabriele Monasterio, Pisa, since 2010

-Tutor of the graduation thesis in Medicine of Dr Sara Chiappino, "Inquadramento clinico e prognostico della cardiomiopatia dilatativa: ruolo della risonanza magnetica cardiaca", summa cum laude, 18/10/2011, University of Pisa, <https://etd.adm.unipi.it/t/etd-09302011-105837/>

-Tutor of the graduation thesis in Medicine of Dr Alessandro Ortalda, "Fibrosi miocardica, rimodellamento ventricolare e stratificazione di rischio nella cardiomiopatia dilatativa", summa cum laude, 18/09/2015, Vita-Salute San Raffaele University of Milan

-Tutor of the specialization thesis in Cardiology of Dr Alberto Aimò, "Deep Learning to Diagnose Cardiac Amyloidosis from Cardiac Magnetic Resonance Imaging", 6/11/2020, University of Pisa, <https://etd.adm.unipi.it/t/etd-10062020-212049/>

-Tutor of the graduation thesis in Medicine of Dr Marco Leali, "Coinvolgimento cardiaco nella distrofia miotonica di Steinert: uno studio longitudinale dalla diagnostica convenzionale all'imaging avanzato", summa cum laude, 9/3/2021, University of Pisa, <https://etd.adm.unipi.it/t/etd-02172021-143514/>

-Tutor of the specialization thesis in Cardiology of Dr Annamaria De Bellis, "Arrhythmic risk stratification in non-ischemic dilated cardiomyopathy in relation to presence, pattern, location and extent of late gadolinium enhancement", 27/12/2021, University of Trieste

-Tutor of the graduation thesis in Medicine of Bianca Alderotti, "Correlazione tra genotipo e fenotipo nella Cardiomiopatia Aritmogena: implicazioni prognostiche", summa cum laude, 15/2/2022, University of Pisa, <https://etd.adm.unipi.it/t/etd-01292022-094933/>

-Tutor of the PhD research project in Translational Medicine of Dr Ignazio Alessio Gueli, "Genotype-phenotype relationship in cardiomyopathies: from disease onset to prognostic impact", Institute of Life Sciences, Scuola Superiore Sant'Anna, Pisa

-Tutor of the graduation thesis in Medicine of Francesca Wabersich, "Coinvolgimento cardiaco nella Sclerosi Sistemica: uno studio retrospettivo dalla diagnostica convenzionale all'imaging avanzato", summa cum laude, 13/6/2023, University of Pisa, <https://etd.adm.unipi.it/t/etd-05252023-102131/>

- Tutor of the specialization thesis in Cardiology of Dr Irina Bellisario, "Correlazione genotipo e fenotipo nella cardiomiopatia dilatativa: dall'imaging avanzato alla prognosi", 6/11/2023, University of Chieti