

CURRICULUM VITAE ET STUDIORUM
DOTTOR FRANCESCO GENTILE

PERSONAL DATA

Name	Francesco Gentile
E-mail	
Twitter	
LinkedIn	
Nationality	
Date of Birth	

WORK EXPERIENCE

Dates (from – to)	2023 – CURRENT
Employer	<u>Division of Cardiology and Cardiovascular Medicine, Fondazione</u>
City, Nation	<u>Monasterio</u> Pisa, Italy
Occupation or position	Cardiologist and Clinical Researcher
Director	Professor Michele Emdin
Dates (from – to)	2024
Employer	Department of Neuroscience, Alfred Centre, Monash University
City, Nation	Melbourne, Australia
Occupation or position	Visiting Researcher
Supervisor	Professor Vaughan Macefield
Dates (from – to)	2019 – 2023
Employer	University Cardiology Division, Pisa University Hospital
City, Nation	Pisa, Italy
Occupation or position	Resident Medical Doctor in Cardiovascular Disease
Director	Professor Raffaele De Caterina
Dates (from – to)	2017 – 2019
Employer	Division of Cardiology and Cardiovascular Medicine, Fondazione
City, Nation	Monasterio Pisa, Italy
Occupation or position	Clinical and Research Fellow in Cardiovascular Disease
Supervisor	Professor Michele Emdin and Professor Claudio Passino
Dates (from – to)	2018

Employer Hammersmith Hospital - Imperial College Healthcare NHS Trust
City, Nation London, United Kingdom
Occupation or position **Clinical and Research Fellow in Cardiovascular Disease**
Supervisor Professor Darrel P. Francis and Doctor Rasha Al-Lamee

Dates (from – to) **2017 – 2018**
Employer Emergency Division, Pisa University Hospital
City, Nation Pisa, Italy
Occupation or position **Voluntary Internship in Emergency Room**
Supervisor Doctor Alessandro Cipriano and Others

Dates (from – to) **2014 – 2018**
Employer Pisa University Hospital
City, Nation Pisa, Italy
Occupation or position **Medical Trainee**
Supervisor Several

EDUCATION

Dates (from – to) **2022 – CURRENT**
Providing Organization Scuola Superiore Sant'Anna, Pisa, Italy
Kind of Title/Program [Ph.D. Programme in Translational Medicine](#)
Project title: “*Autonomic Consequences of Chemoreflex and Baroreflex Dysfunction as a Guide for Feedback Modulation in Heart Failure.*”
Tutor: Professor Alberto Giannoni
Supervisor: Professor Claudio Passino

Dates (from – to) **2019 – 2023**
Providing Organization University of Pisa
Kind of Title/Program **Residency Program in Cardiology and Cardiovascular Disease**
110/110 cum Laude
Thesis title: “*Echocardiographic derived forward left ventricular output improves risk prediction in systolic heart failure.*”
Advisors: Professor Raffaele De Caterina and Professor Alberto Giannoni

Dates (from – to) **2018**
Providing Organization Imperial College of London – NHS Trust
Kind of Title/Program **Postgraduate Traineeship** (*Erasmus plus program*)

Dates (from – to) **2012 – 2018**
Providing Organization University of Pisa
Kind of Title/Program **Medical Degree**
110/110 cum Laude and printing honors, average grade 29.8/30

Thesis title: “*Chemoriflesso, emodinamica e risposta ventilatoria nella genesi delle apnee centrali nello scompenso cardiaco cronico.*”

Advisors: Professor Michele Emdin and Doctor Alberto Giannoni

Dates (from – to)

2018

Providing Organization

University of Pisa

Kind of Title/Program

Summer School Cardio-Lung 2018: Updates in Cardiovascular and Pulmonary Pathophysiology

Dates (from – to)

2007 – 2012

Providing Organization

Liceo Scientifico Statale Stefano Patrizi, Cariatì (CS), Italy

Kind of Title/Program

High School Scientific Diploma

100/100

PERSONAL SKILLS AND COMPETENCIES

Mother Tongue

Italian

Other tongue 1

English

Reading skills: Excellent

Writing skills: Excellent

Verbal skills: Excellent

Other tongue 2

French

Reading skills: Good

Writing skills: Good

Verbal skills: Basic

Technical skills and
Certifications

Advanced Cardiovascular Life Support (ACLS) provider

Advanced Medical Statistics: ability and professional use of various statistical software (e.g., R project, SPSS, STATA).

ECDL (European Computer Driving License – Concepts of Information Technology, Using the Computer and Managing Files, Word Processing, Spreadsheets, Database, Presentation, Information and Communication).

Clinical skills

Advanced resting and stress transthoracic echocardiography (including deformation imaging and 3D-echocardiography); advanced transesophageal echocardiography; physical stress-testing including cardiopulmonary exercise test; autonomic cardiovascular testing, including heart rate variability, baroreflex and chemoreflex testing, microneurography (execution and interpretation); competence in cardiac magnetic resonance, nuclear cardiovascular imaging, invasive/noninvasive coronary imaging.

Membership
European Society of Cardiology (ESC)
European Association of Cardiovascular Imaging (EACVI)
Heart Failure Association (HFA)
Italian Society of Cardiology (SIC)
Associazione Nazionale Medici Cardiologi Ospedalieri (ANMCO)

TEACHING ACTIVITY

Dates (from – to) **2025**
Employer Superiore Sant'Anna
Course *Master - Patient Care in area cardiologica*

Dates (from – to) **2024**
Employer Fondazione Toscana Gabriele Monasterio
Course *Masterclass - Cardiomiopatie a fenotipo ipertrofico*

Dates (from – to) **2024**
Employer Scuola Superiore Sant'Anna
Course *Corso di alta formazione "Fisiopatologia, Clinica e Terapia dell'Amiloidosi Cardiaca"*

Dates (from – to) **2024**
Employer Scuola Superiore Sant'Anna
Course *Laboratori di meccanocizione esterocettiva e interocettiva: dai metodi di indagine cardiorespiratori e somatosensoriali ai dispositivi tecnologici per la ricerca biomedica e la salute*

Dates (from – to) **2021 – CURRENT**
Employer Alpha Test S.r.l.
Course *Live cases and question time in cardiology*

EDITORIAL AND REVIEWER ACTIVITY

Dates (from – to) **2022 – CURRENT**
Employer Frontiers in Cardiovascular Medicine
Occupation or position **Associate Editor**

Dates (from – to) **2021 – CURRENT**
Employer CardioLink Scientific News
Occupation or position **Freelance Reporter**

Reviewer for *European Heart Journal; Circulation; European Journal of Preventive Cardiology; Journal of The American Heart Association; Vascular*

**AWARDS,
INVITATIONS,
OTHERS**

Pharmacology; Frontiers in Cardiovascular Medicine; Clinical Autonomic Research; ESC Heart Failure; International Journal of Cardiology; International Journal of Medical Informatics; Plos One; Bioelectronic Medicine.

Co-author of an official Regional clinical pathway document: “percorso clinico nella morte cardiaca improvvisa: le indicazioni clinico assistenziali e le buone pratiche dell'Organismo Toscano per il Governo Clinico”.

Winner: *Cardiopentathlon 2023* (a competition among all the 40 Cardiology Residency Schools in Italy, hosted by the Italian Society of Cardiology). Rome, Italy; November 2023.

Winner: *Travel Grant for Heart Failure Congress 2023*. Prague, Czech Republic; May 2023.

Winner: “*Primo Premio, ARCA Toscana Young*” for the abstract “*Left Ventricular Outflow Tract Velocity Time Integral Outperforms Left Ventricular Ejection Fraction in Heart Failure Patients with Significant Mitral Regurgitation*”. Viareggio, Italy; November 2022.

Winner: “*The Most Cited Paper Award*” for the paper “*Coronary Artery Anomalies. Circulation 2021; 144: 983–996*” at the SIC Congress 2021 (hosted by the Italian Society of Cardiology). Rome, Italy; December 2021.

Invited faculty member (Chairperson) for Heart Failure Congress 2024. Lisbon, Portugal; May 2024.

Lecture: “*Come e quando curare le apnee ostruttive e centrali*”. In: Medicina Cardiovascolare 2024. Pisa, Italy; December 2024

Lecture: “*Caso Clinico: Insufficienza tricuspidalica severa*”. In: ANMCO Regionale Toscana 2024. Pisa, Italy; September 2024

Lecture: “*Coronaropatie non aterosclerotiche: ruolo dell'imaging non invasivo*”. In: Imaging cardiac e trattamento delle patologie cardiovascolari. Pisa, Italy; April 2024.

Lecture: “*Stroke Volume and Beyond*”. In: How to...in HF. Pisa, Italy; April 2024.

Lecture: “*Treating Heart Failure Targeting the Vagus Nerve*”. Department of Neuroscience, Alfred Centre, Monash University. Melbourne, Australia; March 2024.

Lecture: “*Echocardiographic derived forward left ventricular output improves risk prediction in systolic heart failure*”. In: SIC Tosco – Umbra 2023. Firenze, Italy; October 2023.

Lecture: “*HFmrEF, forma di transizione o entità indipendente?*”. In: Heart Failure 2022 - Question Time. Pisa, Italy; June 2022.

Lecture: “*s-ICD: a Guardian Angel for a Challenging Case*”. In: Luci in Aritmologia e nell'Innovazione Tecnologica. Pisa, Italy; October 2021.

Lecture: “*Endocrine Determinants of Cardiovascular Oscillations*”. In: The Ticking Heart in Chronobiology. The Case for Resilience. Bridging the Gap between Systems Biology and Systems Medicine. Scuola Superiore Sant'Anna. Pisa, Italy; April 2019.

Discussant in Coronary Artery Disease and Myocardial Ischemic Syndromes 2023. Pisa, June 2023.

Discussant in XXVI Corso di Aggiornamento – Terapie Antitrombotiche In Cardiologia. Gruppo di Lavoro Trombosi, Società Italiana di Cardiologia – SIC. Florence, Italy; May 2023.

Discussant in XXV Corso di Aggiornamento – Terapie Antitrombotiche In Cardiologia. Gruppo di Lavoro Trombosi, Società Italiana di Cardiologia – SIC. Florence, Italy; May 2022.

Discussant in Hot Topics in Cardiovascular Medicine XIII: Focus su gliflozine e scompenso cardiaco. Pisa, Italy; November 2022.

Discussant in Pisa Amyloid 2022. Pisa, Italy; June 2022.

Discussant in XXIV Corso di Aggiornamento – Terapie Antitrombotiche In Cardiologia. Gruppo di Lavoro Trombosi, Società Italiana di Cardiologia – SIC. Florence, Italy; May 2021.

Discussant in La Medicina Cardiovascolare. Pisa, Italy; January 2022.

Discussant in XXIII Corso di Aggiornamento – Terapie Antitrombotiche In Cardiologia. Gruppo di Lavoro Trombosi, Società Italiana di Cardiologia – SIC. Florence, Italy; September 2021.

Discussant in Hot Topics in Cardiovascular Medicine VI: L’Ipertensione Polmonare. Pisa, Italy; February 2021.

RESEARCH ACTIVITY

Abstract

Since my graduation in Medicine and Surgery in 2018, my clinical research activity has been covering the spectrum of cardiovascular disease, with a focus on heart failure, and a collateral interest on cardiomyopathies, arrhythmias, ischemic, valvular, and congenital heart disease. Currently, I am involved in

three main research lines: 1) **heart-brain interactions**, with a focus on the role of autonomic imbalance in the pathophysiology and management of cardiovascular disease; 2) **advanced echocardiography**, with a focus on the application of noninvasive hemodynamic measures in patients with heart failure; 3) **prevention of juvenile sudden cardiac death**, for which I am involved in a regional screening program ([Proximity Care – Proxy Young](#)) for the early identification of pro-arrhythmogenic conditions in teenagers.

My research activity is testified by the output metrics, as of June 2024: **60** full-text publications in peer-reviewed Journals (**24** of which as first/co-first author) and **3** book chapters. [Scholar](#) H-index **17**; [Scopus](#) H-index **16**.

Pisa, 28/03/2025

Dr. Francesco Gentile