

JACOPO FARINA

● WORK EXPERIENCE

🏥 **ASL ROMAGNA, OSPEDALE DI LUGO** - LUGO, ITALY

EMERGENCY DOCTOR - 01/11/2020 - 01/04/2021

🏥 **AZIENDA-OSPEDALIERO UNIVERSITARIA DI FERRARA** - FERRARA, ITALY

CARDIOLOGY RESIDENT - 01/11/2021 - 31/10/2025

Acquired skills and achieved objectives:

- Management and treatment of acute and chronic coronary syndromes, including invasive coronary angiography, percutaneous coronary intervention, physiological assessment (invasive and non-invasive), and intravascular imaging analysis.
- Management of cardiovascular pathology cases (in Cardiology department and Intensive Cardiac Care unit) with collection of medical history, clinical examination, and choice of diagnostic and therapeutic interventions.
- Interpretation of electrocardiograms and stress tests.
- Complete execution of 2D and 3D transthoracic echocardiography.
- Interpretation of cardiovascular imaging examination results (CT scan, magnetic resonance imaging, SPECT)
- Pacemaker interrogation and programming during routine follow-up and emergency evaluations.
- Assistance during pacemaker/defibrillator implantation

🏥 **CORRIB CORE LAB, DIRECTED BY PROFESSOR PATRICK W. SERRUYS, UNIVERSITY OF GALWAY** - GALWAY, IRELAND

RESEARCH COLLABORATOR - 01/06/2024 - 01/10/2024

Clinical Trial Involvement and Imaging Analysis:

- Conducted angiography-derived physiology, IVUS, and quantitative coronary angiography (QCA) analysis for the Multivessel TALENT Randomized Controlled Trial (Sirolimus-eluting biodegradable polymer ultra-thin Supraflex stent vs. everolimus-eluting biodegradable polymer SYNERGY stent in three-vessel coronary artery disease).
- Performed CT scan analysis for a substudy of the FAST TRACK CABG Randomized Controlled Trial (Coronary artery bypass grafting guided by CT in a low-risk population).
- Carried out angiography-derived physiology and QCA analysis for the PIONEER IV trial (Angiography-derived physiology-guided PCI vs. usual care in an all-comers population treated with the healing-targeted Supreme stent and ticagrelor monotherapy)

🏥 **UNIVERSITY OF FERRARA** - FERRARA, ITALY

GRADUATE TEACHING ASSISTANT - 01/10/2024 - 01/10/2025

20 hours of lectures at the Cardiovascular Disease Course, Faculty of Medicine, University of Ferrara

🏥 **CARDIOLOGY UNIT, CATHETERIZATION LABORATORY LED BY PROFESSOR GIANLUCA CAMPO, UNIVERSITY OF FERRARA** - FERRARA, ITALY

FELLOWSHIP IN INTERVENTIONAL CARDIOLOGY - 01/02/2024 - 31/10/2025

Cath Lab Practical Activities

- Performed 2450 invasive coronary angiographies and 314 percutaneous coronary interventions (PCI), including 85 primary PCI procedures.
- Experienced in the performance and interpretation of both invasive (FFR, RFR, cRR) and non-invasive physiological assessments (QFR, VFFR, μ FR).
- Actively involved in the management of ANOCA (Angina with Non-Obstructive Coronary Arteries) with comprehensive physiological evaluation, including vasospasm testing and microcirculation assessment (CFR, IMR).
- Skilled in the performance and interpretation of intracoronary imaging, including OCT (Optical Coherence Tomography) and IVUS (Intravascular Ultrasound).

- Participated in 46 Transcatheter Aortic Valve Implantation (TAVI) procedures as third operator.
- Research Activities
- Responsible for managing the research activities of the Catheterization Laboratory at the University of Ferrara.
 - Actively involved as sub-investigator and research collaborator in multiple randomized controlled trials and observational studies, with a particular focus on coronary physiology and intravascular imaging.

● EDUCATION AND TRAINING

15/09/2009 – 09/06/2014 San Lazzaro di Savena, Bologna, Italy

HIGH SCHOOL DIPLOMA IN SCIENTIFIC SCHOOL Liceo Scientifico Enrico Mattei

01/10/2014 – 20/06/2020 Bologna, Italy

GRADUATION IN MEDICINE AND SURGERY Università di Bologna

01/09/2017 – 01/09/2018 Barcelona, Spain

ERASMUS PROGRAM Universitat de Barcelona, Bellvitge Hospital

01/08/2020 – 01/10/2021 Bangalore, India

TRAINEESHIP IN PEDIATRIC CARDIOLOGY Aster Hospital, Bangalore

● LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s): **ENGLISH** | **SPANISH**

● PUBLICATIONS

2025

Functional Assessment of Intravascular Lithotripsy for Stent Underexpansion

doi: 10.1002/ccd.70086. Epub ahead of print. PMID: 40778479.

Authors: Farina J, Kumar S, Campo G, Biscaglia S, Zuin M, Andreaggi S, Scarsini R, Brilakis ES, Azzalini L, Ribichini F, Erriquez A. | **Journal Name:** Catheter Cardiovasc Interv | **Volume, Issue and Pages:** Catheter Cardiovasc Interv. 2025 Aug 8.

2025

Complete Revascularization in Older Patients With Myocardial Infarction With or Without Complex Nonculprit Lesions

DOI: 10.1161/CIRCINTERVENTIONS.125.015902

Authors: Sarti A, Erriquez A, Dal Passo B, Casella G, Guiducci V, Moreno R, Escaned J, Marchini F, Cocco M, Verardi FM, Clò S, Caglioni S, Farina J, Barbato E, Vadalà G, Cavazza C, Capecchi A, Gallo F, Campo G, Biscaglia | **Journal Name:** Circulation Cardiovascular Intervention | **Volume, Issue and Pages:** Circ Cardiovasc Interv . 2025 Oct 3:e015902.

2025

High-Risk Plaques in Proximal and Distal Segments Relative to Graft Anastomoses and Non-Grafted Segments

<https://doi.org/10.1016/j.jcct.2025.09.013>.

Authors: Pruthvi C Revaiah, MD, DM; Tsung-Ying Tsai, MD; Jacopo Farina, MD; Gonçalo Ferraz-Costa, MD; Jochem Jongenotter, MD; Asahi Oshima, MD Gianluca Pontone, MD, PhD; Torsten Doenst, MD, PhD; Patrick W. Serruys, MD PhD; Yoshinobu Onuma, MD, PhD | **Journal Name:** Journal of Cardiovascular Computed Tomography

2025

Enhanced coronary physiology assessment with endothelial shear stress predicts residual cardiovascular risk in older patients with myocardial infarction

doi: 10.1016/j.atherosclerosis.2025.120476

Authors: Candreva A, Morbiducci U, Erriquez A, Rizzini ML, Calò K, Verardi FM, Clò S, Farina J, Ruschitzka F, Stähli BE, Campo G, Biscaglia S, Gallo D. | **Journal Name:** Atherosclerosis | **Volume, Issue and Pages:** Atherosclerosis. 2025 Aug 13;409:120476.

2025

Functional coronary angiography to indicate and guide revascularization in STEMI patients with multivessel disease: Rationale and design of the AIR-STEMI trial

doi: 10.1016/j.ahj.2025.02.012.

Authors: Erriquez A, Colaïori I, Hakeem A, Guiducci V, Menozzi M, Barbierato M, Ariotti M, D'Amario D, Casella G, Scarsini R, Polimeni A, Donazzan L, Benatti G, Venturi G, Ruozzi M, Giordan M, Monello A, Farina J, Caglioni S, Cocco M, Campo G, Biscaglia S | **Journal Name:** American Heart Journal | **Volume, Issue and Pages:** Am Heart J. 2025 Jun;284:71–80

2025

TCT-302 High-Risk Plaques in Proximal and Distal Segments Relative to Graft Anastomoses and Non-Grafted Segments

Serruys, P, Revaiah, P, Tsai, T. et al. TCT-302 High-Risk Plaques in Proximal and Distal Segments Relative to Graft Anastomoses and Non-Grafted Segments. *JACC*. 2025 Oct, 86 (17_Supplement) B134. <https://doi.org/10.1016/j.jacc.2025.09.403>

<https://doi.org/10.1016/j.jacc.2025.09.403>

Authors: Patrick Serruys, Pruthvi C. Revaiah, Tsung-Ying Tsai, Jacopo Farina, Jochem Jongenotter, Asahi Oshima, Scot Garg, Himanshu Gupta, Vikram Agarwal, Mark La Meir, Saima Mushtaq, Ulf Teichgräber, Giulio Pompilio, Torsten Doenst, Yoshinobu Onuma | **Journal Name:** Journal of American College of Cardiology | **Volume, Issue and Pages:** JACC. 2025 Oct, 86 (17_Supplement) B134

2025

Left Ventricular Mechanical Insights Into Left Bundle Branch Pacing and Left Ventricular Septal Pacing

doi: 10.1016/j.jacep.2025.03.037.

Authors: Bertini M, Vitali F, Malagù M, Azzolini G, Clò S, Canovi L, Farina J, Bianchi N, De Raffele M, Bianchi C, De Pietri M, Guidi Colombi G, Micillo M, Melpignano A, Pavasini R, Balla C, Guardigli G, Vijayaraman P, Zuin M. | **Journal Name:** Journal of American College of Cardiology: Clinical Electrophysiology | **Volume, Issue and Pages:** JACC Clin Electrophysiol. 2025 Apr 30:S2405–500X(25)00249–X.

2024

Virtual Flow Reserve Versus Angiography-Derived FFR for Stent Implantation

<https://doi.org/10.1016/j.jacc.2024.09.860>

Authors: S Biscaglia, A Marrone, M Cocco, J Farina, J McNutt, J den Buijs, A Netravali, G Campo | **Journal Name:** Journal of American College of Cardiology | **Volume, Issue and Pages:** JACC. 2024 Oct, 84 (18_Supplement) B284.

2024

Combined use of intra-aortic balloon pump and impella in cardiogenic shock: A systematic review

doi: 10.1016/j.carrev.2024.04.296

Authors: Farina J, Erriquez A, Campo G, Biscaglia S, Zuin M, Casella G, Capeocchi A, Nobile G, Pappalardo F. | **Journal Name:** Cardiovascular Revascularization Medicine | **Volume, Issue and Pages:** Cardiovasc Revasc Med. 2024 Oct;67:96–102.

2024

Combination of mechanical circulatory devices in cardiogenic shock

doi: 10.2459/JCM.0000000000001640

Authors: Farina J, Biscaglia S, Campo G, Pappalardo F. | **Journal Name:** J Cardiovasc Med | **Volume, Issue and Pages:** J Cardiovasc Med 2024 Aug 1;25(8):609–612.

2024

Long-Term Atrioventricular Block Following Valve Surgery: Electrocardiographic and Surgical Predictors.

doi: 10.3390/jcm13020538. PMID: 38256672; PMCID: PMC10816093

Authors: Farina J, Biffi M, Folesani G, Di Marco L, Martin S, Zenesini C, Savini C, Ziacchi M, Diemberger I, Martignani C, Pacini D. | **Journal Name:** J Clin Med | **Volume, Issue and Pages:** J Clin Med. 2024 Jan 17;13(2):538.

2024

ST-segment elevation in pulsed field ablation for atrial fibrillation

doi: 10.1016/j.hrthm.2024.02.002. Epub 2024 Feb 6. PMID: 38331304.

Authors: Farina J, Clò S, Vitali F, Azzolini G, Malagù M, Pavasini R, Bertini M. | **Journal Name:** Heart Rhythm | **Volume, Issue and Pages:** Heart Rhythm. 2024 May;21(5):698–701.

2024

Achievement of LDL-C Treatment Goals After an Acute Coronary Syndrome in the Real World: The ARYOSTO Registry

Eurothrombosis and Eurovessel 2024, Abstract Book. P0 01 0 07.

Authors: Zuin M, Bonini J, Farina J, Campo G | **Journal Name:** Eurothrombosis and Eurovessel 2024 | **Volume, Issue and Pages:** Abstract Book. P0 01 0 07

2022

LONG-TERM ATRIO-VENTRICULAR BLOCK FOLLOWING VALVE SURGERY: ELECTROCARDIOGRAPHIC AND SURGICAL PREDICTORS,

<https://doi.org/10.1093/eurheartjsupp/suac121.044>

Authors: Farina J, Biffi M, Folesani G, Di Marco L, Martin S, Zenesini C, Savini C, Ziacchi M, Diemberger I, Martignani C, Pacini D. | **Journal Name:** EHJ Supplements | **Volume, Issue and Pages:** EHJ Supplements, Volume 24, Issue Supplement_K, December 2022, suac121.044,

● **INVESTIGATION**

01/01/2024 - CURRENT

Sub-Investigat**or Insightful-FFR Randomized Controlled Trial**

Physiology assessment using Microcatheter vs Pressure Wire for Functionally guided Clinical decision making and PCI optimization

01/01/2024 - CURRENT

Sub-Investigator Precise Procedural and PCI plan (P4) Randomized Controlled Trial

Integration of coronary computed tomography angiography in the catheterization laboratory to plan and guide coronary percutaneous procedures

01/01/2024 - CURRENT

Sub-Investigator AIR STEMI Randomized Controlled Trial

Functional Coronary Angiography to Indicate and Guide Revascularization in STEMI Patients with Multivessel Disease: AIR-STEMI trial

01/05/2023 - 01/12/2023

Sub-Investigator Oceanic-AF Randomized Controlled Trial

Asundexian versus Apixaban in patients with Atrial Fibrillation

01/09/2025 - CURRENT

Investigator OCT 2 ACT Study

Optical Coherence Tomography Multicenter Italian Registry

● **CERTIFICATION**

01/08/2024 - 01/09/2024

Medis QFR® v2.2 Certification

01/11/2023 - CURRENT

ICH GOOD CLINICAL PRACTICE E6 (R2)

● CONFERENCES AND SEMINARS

01/10/2025 – 04/10/2025 Milan, Italy

GISE: Società Italiana di Cardiologia Interventistica

20/05/2025 – 23/05/2025 Paris, France

Euro PCR: European Association of Percutaneous Coronary Intervention Congress

Presenter: "Functional Assessment of Intravascular Coronary Lithotripsy for Stent Underexpansion"

07/04/2025 – 08/04/2025 Aalst, Belgium

Optima: Pro-Active PCI at ORSI Academy

Course on Shockwave, OCT, and Physiological Assessment

05/10/2024 – 06/10/2024 Turin, Italy

Edwards: TAVI Fundamentals

07/10/2024 – 10/10/2024 Milan, Italy

GISE: Società Italiana di Cardiologia Interventistica

Presenter: Combined use of Intra-Aortic Balloon and Impella in Cardiogenic Shock due to Acute Myocardial Infarction

22/04/2024 – 23/04/2024 Alessandria, Italia

Pulse Cath: Teach Course iVAC 2L

13/03/2024 – 13/03/2024 Rome, Italy

Abbott: Full Physiology

06/12/2023 – 07/12/2023 Rome, Italy

Abiomed: Advanced Hemodynamic Course, Cardiogenic Shock

Il sottoscritto autorizza il trattamento dei propri dati personali ai sensi del GDPR 679/16 "Regolamento europeo sulla protezione dei dati personali". Il/La sottoscritto/a acconsente alla pubblicazione del presente curriculum vitae sul sito dell'Università degli Studi di Ferrara)