

EUROPEAN
CURRICULUM VITAE
FORMAT



PERSONAL INFORMATION

Name

NICCOLO' CIARDETTI

Address

CAREGGI UNIVERSITY HOSPITAL,

E-mail

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Nationality

Date of birth

PROFESSIONAL EXPERIENCE

• Dates (from – to)

January 2023- now

• Name and address of employer

Careggi University Hospital (University of Florence), Florence, Italy

• Main activities and responsibilities

I am a cardiologist at Careggi University Hospital (Azienda Ospedaliero-Universitaria di Careggi), with a subspecialty in interventional cardiology. My clinical practice includes coronary angiography, percutaneous coronary intervention (PCI), cardiac catheterization, aortic valvuloplasty, and transcatheter aortic valve implantation (TAVI). I am also actively involved in inpatient care within the cardiology and cardiac surgery departments, as well as in outpatient clinics dedicated to the diagnostic and therapeutic management of cardiovascular diseases. These include preoperative echocardiographic and clinical evaluations of valvular heart diseases with surgical indications. Additionally, I work in the cardiac intensive care unit.

EDUCATION AND TRAINING

• Dates (from – to)

September 2023 – March 2025

• Name and type of organisation providing education and training

Sant'Anna School of Advanced Studies, Pisa

• Title of qualification awarded

II level Master course "Percutaneous interventional treatment of structural heart diseases"

• Principal subjects/occupational skills covered

During the program, I acquired both theoretical and practical expertise in the modern management of patients with structural heart diseases. Specifically, I gained: a solid foundation in diagnostic tools and clinical criteria to identify patients eligible for percutaneous and hybrid interventions; proficiency in the use and interpretation of advanced imaging techniques within the diagnostic and therapeutic pathway; a comprehensive understanding of the multidisciplinary management of patients in the pre-, intra-, and post-operative phases, working alongside interventional and clinical cardiologists, radiologists, anesthesiologists, and cardiac surgeons;

hands-on experience with the latest interventional techniques for structural heart disease; knowledge in healthcare economics and resource management, with a focus on the socio-economic impact of innovative cardiovascular treatments. The program included over 300 hours of practical internship, which I carried out at leading interventional cardiology centers in Italy: the Structural Interventional Cardiology Unit at Careggi University Hospital in Florence (where I work); the Department of Clinical and Interventional Cardiology at IRCCS Policlinico San Donato in Milan; and the Monzino Cardiology Center in Milan.

• Dates (from – to)	November 2018 – November 2022
• Name and type of organisation providing education and training	Careggi University Hospital (University of Florence), Florence, Italy
• Title of qualification awarded	Specialization in Cardiovascular Diseases (Cardiology Fellowship) with top marks and honours, with a thesis on coronary chronic total occlusion recanalisation, titled “Temporal evolution of percutaneous recanalization for coronary chronic occlusions: a multicenter experience in Tuscany”. Director: Professor Carlo Di Mario
• Principal subjects/occupational skills covered	During the fellowship I had the opportunity to actively attend the cardiology, internal medicine and cardiac surgery wards and sub-intensive care units, cardiology intensive care unit and cardiology outpatient clinics, learning to manage the main cardiology diseases both in the acute and chronic setting. I developed a particular interest in interventional cardiology and regularly participated in coronary and structural interventional procedures performed by Professor Di Mario and his team, having taken part in several complex revascularisation procedures of chronic total coronary occlusions, treatment of bifurcations, diffuse and calcific lesions, guided by the use of intracoronary imaging techniques (IVUS and OCT) and with the usual use of physiological assessment techniques (iFR/FFR/IMR/CMR). I had the opportunity also to be present during many structural interventions. I was also responsible in supporting patients’ screening, data collection and follow-up in multiple controlled studies.
• Date	July 2018
• Name and type of organisation	Italian Ministry of Education, University and Research
• Title of qualification awarded	Admission Examination to the Cardiology Specialization School, placing 20 th out of more than sixteen thousand candidates
• Dates (from – to)	October 2011 – October 2018
• Name and type of organisation providing education and training	University of Siena Medical School, Siena, Italy
• Title of qualification awarded	Degree in Medicine and Surgery, obtained with top marks and honours (110/110 Cum Laude and Honorable Mention)
• Dates (from – to)	September 2006 – July 2011
• Name and type of organisation providing education and training	“Michelangiolo” Classical High School, Florence, Italy
• Title of qualification awarded	Classical High School Diploma

PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE

ITALIAN

OTHER LANGUAGES

ENGLISH

- Reading skills
- Writing skills
- Verbal skills

Good
Good
Good

SCIENTIFIC RESEARCH

Alongside my practical experience, I developed an interest in study and research, having currently contributed with the following publications:

- Crociani MF, Di Mario C, Stolcova M, **Ciardetti** N, Mattesini A, Maiani S, Nardi G, Di Muro FM, Mandarano R, Meucci F. Transfemoral Transseptal Mitral Valve-in-Valve-in-Valve of a Degenerated Transcatheter in Surgical Bioprosthesis. JACC Case Rep. 2025 Apr 2;30(7):103398.
- Granchietti AG, **Ciardetti** N, Mazzoni C, Garofalo M, Mazzotta R, Micheli S, Chiostri M, Orlandi M, Biagiotti L, Del Pace S, Di Mario C, Cacioli S. Left atrial strain and risk of atrial fibrillation after coronary artery bypass-grafting. Int J Cardiol. 2025 Mar 1;422:132981.
- Maiani S, Nardi G, Stolcova M, Ristalli F, Crociani MF, **Ciardetti** N, Mattesini A, Di Mario C, Meucci F. Left atrial appendage occlusion devices: one size doesn't fit all? The turning point of a custom-made device. Journal of Cardiology Cases, 31 (4) 2025, 97-100,
- Di Muro FM, Crociani MF, Nardi G, **Ciardetti** N, Biagiotti L, Bigi E, Meucci F, Stolcova M, Ristalli F, Cecchi E, Muraca I, Valenti R, Di Mario C, Mattesini A. Coronary Plaque Characteristics Assessed by Optical Coherence Tomography and Plasma Lipoprotein(a) Levels in Patients With Acute Coronary Syndrome. Catheter Cardiovasc Interv. 2024
- **Ciardetti** N, Mattesini A, Di Mario C. Non-invasive functional evaluation in non-ST-segment elevation acute coronary syndrome: a valuable but non-exhaustive tool. Eur Heart J Cardiovasc Imaging. 2024 Dec 31;26(1):60-61.
- Mazzotta R, Del Pace S, Di Mario C, **Ciardetti** N, Stefano P. A case of Streptococcus mutans endocarditis with cardiac surgical indication and complicated by spondylodiscitis after multiple dental procedures without antibiotic prophylaxis. EJMCR. 2024. Vol. 8(1):13-17.
- Nardi G, Marchi E, Allinovi M, Lugli G, Biagiotti L, Di Muro FM, Valenti R, Muraca I, Tomberli B, **Ciardetti** N, Alterini B, Meucci F, Di Mario C, Mattesini A. Contrast-Induced Acute Kidney Injury in Patients with Heart Failure on Sodium-Glucose Cotransporter-2 Inhibitors Undergoing Radiocontrast Agent Invasive Procedures: A Propensity-Matched Analysis. J Clin Med. 2024 Apr 1;13(7):2041
- Frank D, Durand E, Lauck S, Muir DF, Spence M, Vasa- Nicotera M, Wood D, Saia F, Urbano-Carrillo CA, Bouchayer D, Iliescu VA, Etienne CS, Leclercq F, Auffret V, Asmarats L, Di Mario C, Veugeois A, Maly J, Schober A, Nombela-Franco L, Werner N, Gómez-Hospital JA, Mascherbauer J, Musumeci G, Meneveau N, Meurice T, Mahfoud F, De Marco F, Seidler T, Leuschner F, Joly P, Collet JP, Vogt F, Di Lorenzo E, Kuhn E, Disdier VP, Hachaturyan V, Lüske CM, Rakova R, Wesselink W, Kurucova J, Bramlage P, McCalmont G, Zielinski M, Greinert D, Deutsch C, Muir D, Thoeners M, Lara Garcia C, Chamorro B, Claudel JP, Perrier H, Frebault V, Parasca CA, Lassouani K, Zitouni W, Soltani S, Le Gal R, Jimenez Xarrie E, **Ciardetti** N, Meucci F; BENCHMARK Investigator Group. A streamlined pathway for transcatheter aortic valve implantation: the BENCHMARK study. Eur Heart J. 2024 Mar 30;ehae147
- Di Muro FM, Meucci F, Stolcova M, Ristalli F, Nardi G, **Ciardetti** N, Mattesini A, Di Mario C. Watching and testing is better than stenting with closed eyes: A multidisciplinary approach integrating imaging and physiology to manage an ambiguous case of recanalized thrombus. Cardiovascular Revascularization Medicine: Interesting Cases 2024;2:100014
- **Ciardetti** N, Nardi G, Di Mario C. Direct high-frequency intravascular ultrasound visualization of drug delivery after paclitaxel urea eluting balloon angioplasty, European Heart Journal, 44 (12) 21 March 2023, 1096, <https://doi.org/10.1093/eurheartj/ehad020>

- Di Mario C, Mashayekhi K, Garbo R, Pyxaras S, **Ciardetti N**, Werner GS. Recanalization of Coronary Chronic Total Occlusions. A State-of-the-art Review for EuroIntervention 2022;18:535-561, for which he was the corresponding author.
- Berteotti M, Gori AM, Giusti B, Fortini A, Grossi G, **Ciardetti N**, et al. Clinical impact of high platelet reactivity in patients with atrial fibrillation and concomitant percutaneous coronary intervention on dual or triple antithrombotic therapy. J Thromb Thrombolysis. 2023 May;55(4):667-679. doi: 10.1007/s11239-023-02784-z
- Di Mario C, **Ciardetti N**. The Ultimate Trial of CTO Recanalization. JACC Cardiovasc Interv, 2022;15(14):1450-1452.
- Kucukseymen S, Ciatti F, **Ciardetti N**, Mattesini A, Di Mario C. Update on NearInfrared Spectroscopy/Intravascular Ultrasound: The fundamental aspects and current clinical roles. Cardiac Interventions Today, 16 (3), 2022.
- Di Muro FM, Demola P, Nardi G, **Ciardetti N**, Meucci F, Stolcova M, Ristalli F, Di Mario C, Mattesini A. Optical Coherence Tomography and Artificial Intelligence for calcium quantification in coronary disease of diabetic patients. European Heart Journal 43 (Supp 2) October 2022.
- **Ciardetti N**, Di Muro FM, Kucukseymen S, Nardi G, Demola P, Mattesini A, Ristalli F, Stolcova M, Meucci F, Di Mario C. The role of calcification in cardiovascular outcome after left main bifurcation revascularization: a single centre experience. European Heart Journal 43 (Supp 2) October 2022.
- **Ciardetti N**, Mattesini A, Di Muro FM, Nardi G, Kucukseymen S, Ristalli F, Stolcova M, Meucci F, Di Mario C. LAYERED PLAQUES: NOT ALL ARE HEALED. European Heart Journal Supplements, Volume 24, Issue Supplement K, December 2022, suac121.314, <https://doi.org/10.1093/eurheartjsupp/suac121.314>.
- **Ciardetti N**, Kucukseymen S, Meucci M, Stolcova M, Di Muro FM, Nardi G, Ristalli F, Mattesini A, Di Mario C. AN UNUSUAL CONSERVATIVE STRATEGY FOR ACUTE AORTIC RUPTURE AFTER TAVI POST-DILATATION. European Heart Journal Supplements, Volume 24, Issue Supplement_K, December 2022, suac121.315, <https://doi.org/10.1093/eurheartjsupp/suac121.315>
- **Ciardetti N**, Mattesini A, Di Mario C. Going through or around the occlusion? All roads lead to Rome. Vol. 28, Cardiology Journal. 2021.
- **Ciardetti N**, Ciatti F, Nardi G, Di Muro FM, Demola P, Sottili E, et al. Advancements in transcatheter aortic valve implantation: A focused update. Vol. 57, Medicine (Lithuania). 2021.
- Di Mario C, **Ciardetti N**, Demola P. Second Generation: Better Also for Covered Stents? Vol. 29, Cardiovascular Revascularization Medicine. 2021.
- **Ciardetti N**, Ristalli F, Nardi G, Di Mario C. Bail-out intravascular lithotripsy for severe stent underexpansion during primary angioplasty: a case report. Eur Heart J Case Rep. 2021 Nov 11;5(11):ytab448.

I attended several cardiology congresses, both national and international, also sharing clinical cases and abstracts, accepted as posters or oral communications, including:

- **Ciardetti N**, Mattesini A, Diletti R, Goktekin O, Agostoni P, Avran A, Rathore S, Pyxaras S, Christiansen E, Werner G, Zaczekiewicz M, Schölzel B, Ayoub M, Ladwiniec A, Lauer B, Kovacic M, Prog R, Mashayekhi K, Di Mario C. Drug-Coated Balloons in EuroCTO Registry, presented at TCT 2024 in Washington.
- Di Muro FM, Crociani MF, Bigi E, **Ciardetti N**, Nardi G, Maiani S, Stolcova M, Ristalli F, Cecchi E, Valenti R, Meucci F, Di Mario C, Mattesini A. Coronary Plaque Characteristics Assessed by Optical Coherence Tomography, presented at TCT 2024 in Washington.
- and Plasma Lipoprotein(a) Levels in Patients With Acute Coronary Syndrome
- **Ciardetti N**, Chechi T, Mattesini A, Bonechi F, Nardi G, Di Muro FM, Furlani P, Crociani MF, Cenni N, Kucukseymen S, Meucci F, Stolcova M, Ristalli F, Di Mario C. Temporal Evolution of Percutaneous Recanalisation for Coronary Chronic Total Occlusions: an Italian Multicenter Experience. Presented as "Best Oral Abstracts" at CRT 2023 in Washington.
- **Ciardetti N**, Chechi T, Mattesini A, Bonechi F, Nardi G, Di Muro FM, Furlani P, Crociani MF, Cenni N, Kucukseymen S, Meucci F, Stolcova M, Ristalli F, Di Mario C. The Importance of Intravascular Ultrasound and Intravascular Lithotripsy for Complex Coronary Chronic Total Occlusion Recanalisation: an Italian Multicenter Experience. Presented as "Best Oral Abstracts" at CRT 2023 in Washington.
- **Ciardetti N**, Mattesini A, Di Muro FM, Nardi G, Kucukseymen S, Stolcova M, Meucci F, Ristalli F, Di Mario C. A stent lost in left main bifurcation: an unusual case of OCT guided mini-crush to cover it. Presented as oral communication and selected among the best five cases of the year at the Euro Bifurcation Club 2022 Congress in Madrid.

- **Ciardetti N**, Di Muro FM, Nardi G, Kucukseymen S, Mattesini A, Ristalli F, Stolcova M, Meucci F, Di Mario C. TAVI e anemia emolitica: quando l'insufficienza conta. Presented as a moderated poster at the 39th Congress of Cardiology "Conoscere e Curare il Cuore" 2022.
- **Ciardetti N**, Nardi G, Di Muro FM, Stolcova M, Mattesini A, Kucukseymen S, Ristalli F, Meucci F, Di Mario C. An inferior STEMI patient with diffuse three vessel disease and cardiogenic shock: when ECMO is an essential tool to complete revascularization. Presented as oral communication at the 43rd GISE National Congress 2022.
- **Ciardetti N**, Di Mario C. Coronary vasculitis: lesion-free coronary arteries do not always mean disease-free. Case report of eosinophilic granulomatosis with polyangiitis with cardiac involvement. Presented as an oral communication at the 81st National Congress of the Italian Society of Cardiology (SIC).
- **Ciardetti N**, Vannini M, Cappelli F, Pontecorvoli G, Di Mario C. Massive pulmonary embolism in the absence of hemodynamic instability: are we doing it right? A real-world clinical case report. Presented as a poster at the Congress "Cardiologists of the future face the 2021 guidelines".
- **Ciardetti N**, Demola P, Di Mario C. Anterograde Wire Escalation with Recently CE-marked Dedicated Guidewires: a Classical Technique with Novel Devices. Selected among the best two cases for the "Best CTO Case of the Month competition" at the EuroCTO Club 2021 Congress.
- **Ciardetti N**, Demola P, Mattesini A, Meucci F, Di Mario C. A Giant Right Coronary Artery Pseudoaneurysm Too Long for a Single Covered Stent. Presented as oral communication at the 42nd GISE National Congress 2021.
- **Ciardetti N**, Demola P, Mattesini A, Ristalli F, Di Mario C. A different case of exertional angina: when both anatomy and physiology matter. Presented as a poster at the 42nd GISE National Congress 2021.
- **Ciardetti N**, Demola P, Caniato F, Mattesini A, Ristalli F, Di Mario C. Massive Multivessel Coronary Thrombosis in a COVID-19 Patient Treated with a Novel Bailout Strategy Device. Presented as a moderated poster at the 38th Congress of Cardiology "Conoscere e Curare il Cuore" 2021 and selected as "The voice of the young" for publication on the website centrolottainfarto.com.

I am also active in peer reviewing for international journals such as *EuroIntervention*, *European Heart Journal - Cardiovascular Imaging* and *Minerva Cardiology and Angiology*.

Florence, 27/05/2024

Niccolò Ciardetti