

MARTA DI CARLO

WORK EXPERIENCE

IRCCS – AOU Bologna “Policlinico di Sant’Orsola” – Cardiac Surgery Division

Medical Resident in Cardiac Surgery

Bologna, Italy
Since November 2021

- Surgical activity in the operating room (OR).
- Outpatient clinical monitoring and ward activities.
- Scientific research.

Training focused on Transcatheter Cardiac Surgery

In-hospital training

IRCCS Casa Sollievo della Sofferenza, San Giovanni Rotondo, Italy
June 2024 – August 2024

- Mentored learning of pre-operative planning study via angio-CT scan program.
- Development of autonomy in practical skills: US guided femoral arterial puncture and procedural technique of transcatheter valve implantation (prosthesis choice and deployment, and delivery system use).

Training experiences in different Cardiac Surgery Units

Part of Medical Residency program

Maria Cecilia Hospital Cotignola, Italy
Hesperia Hospital, Modena, Italy
Radboud University Medical Center, Nijmegen, Netherlands
May 2023-August 2023, November 2023-January 2024, March 2025-June 2025

- Surgical activities in the OR and developed autonomy in the role of second operator, including in high-complexity procedures.
- Acquisition of knowledge, skills and competences in minimally invasive cardiac surgery.
- Learning and practical training in advanced aortic repair techniques.

G. Brotzu Hospital

Internship before graduation

Cagliari, Italy
June 2019 – September 2020

- Attendance to clinical and surgical activities.
- Scientific and clinical research concerning the clinical and psychological impact of left ventricular assist devices in patients with advanced heart failure.

EDUCATION

Member of the Medical Register of Nuoro since January 2021

Medical Degree at the University of Cagliari: 25 November 2020

Scientific High School Graduation at Enrico Fermi High School in Nuoro: June 2014

OTHER EXPERIENCES

The Houston Aortic Symposium

Frontiers in Cardiovascular Diseases, the Seventeenth in the Series

Houston, USA
March 6-8, 2025

Bologna Heart Surgery Symposium: all editions focused on aortic diseases and heart failure (BHSS)

Bologna, Italy
September 2022 and 2023,
October 2024 and September 2025

The 32° National Meeting of Italian Society of Cardiac Surgery (SICCH)

Rome, Italy
December 2024

Liverpool Aortic Symposium X

Liverpool, United Kingdom
June 2024

3rd SICCH Course on Transcatheter, Minimally Invasive and Robotic Surgery

Salsomaggiore, Italy
December 2023

LANGUAGE SKILLS

Italian (native)
English (fluent)
French (basic)
Spanish (intermediate)

PUBLICATIONS

1. “Quality of life of patients with end stage heart failure treated with left ventricular assist devices”. Maria Francesca Marchetti, Marta Di Carlo, Federica Sancassiani, Corrado Tramontin, Marco Corda, Matteo Sanbenedetto, Mauro Giovanni Carta, Emiliano Cirio, Luigi Meloni, Roberta Montisci. European Heart Journal Supplements, Volume 23, Issue Supplement_G, December 2021, suab139.032.
2. “Clinical outcomes of patients with end-stage heart failure treated with left ventricular assist devices”. Marta Di Carlo, Maria Francesca Marchetti, Corrado Tramontin, Marco Corda, Maurizio Porcu, Elena Agus, Giacomo Boi, Emiliano Cirio, Luigi Meloni, Roberta Montisci. European Heart Journal Supplements, Volume 23, Issue Supplement_G, December 2021, suab139.031.
3. “Management of acute type B aortic dissection: treatment and follow-up”. Di Marco L, Di Carlo M, Murana G, Buia F, Mariani C, Attinà D, Lovato L, Pacini D. G Ital Cardiol (Rome). 2023 Sep;24(9):731-739.
4. “TAVI, Valve-in-MAC and closure of paravalvular leak in an inoperable patient”. Marta Di Carlo, Giulio Giovanni Cavalli, Albino Vallabini, Paola Spatuzza, Maurizio Braccio, Michele Palladino, Nunzio Gallo, Rossella Alemanni, Alessandro Leone, Luca Di Marco, Davide Pacini, Mauro Cassese. Sent to SICCH Annual Meeting 2024.
5. “Mitral Annular Calcification: the “Pack and Seal” Technique”. Brega C, Di Carlo M, Fiaschini C, Savini C. Heart Lung Circ. 2025 Mar;34(3):297-299.
6. Bentall Procedure: A Long-term, Single Center Experience. Murana G, Di Marco L, Zanella L, Rucci P, Di Carlo M, Nocera C, Brandini F, Campanini F, Pacini D. Semin Thorac Cardiovasc Surg. 2025 Winter;37(4):384-391.
7. Comparison of a novel mechanical valve versus stented bioprosthetic valves for isolated mitral valve replacement in patients older than 65 years. Piperata A, Mariani C, Murana G, Fabbri E, Rucci P, Scuppa MF, Londi F, Bianco E, Guerrini B, Tammaro I, Fabiani L, Careddu M, Bellomare M, Snaidero S, Nania R, Castagnini S, Di Carlo M, Orioli V, Folesani G, Pacini D. JTCVS Open. 2025 Jun 26;26:85-93.