

# Matteo Casenghi, M.D.

## Current Work Position:

Interventional Cardiologist  
*Cardiology Dept., AOU S. Andrea, Rome*  
Prof. Emanuele Barbato  
Jan 2022-ongoing

## Prior Work Position:

Interventional Cardiologist  
*Clinical and Interventional Cardiology Dept., IRCSS Policlinico San Donato*  
Dott. Francesco Bedogni  
Dec 19 – Jan 2022

## Education:

### PhD in Experimental Medicine

*Clinical and Molecular Dept., University of Rome “Sapienza”*  
Prof. M. Sorice  
Nov 2019-ongoing

### Cardiovascular Medicine Residency

*Faculty of Medicine and Psychology, Cardiology Dept., University of Rome “Sapienza”*  
Prof. M. Volpe  
Dec 2014- Dec 2019  
placement grade: 70/ 70 cum laude

### Medicine and Surgery

*Faculty of Medicine and Psychology, University of Rome “Sapienza”*  
2007-2012  
placement grade: 110/110 cum laude

## Training:

### Interventional Cardiology Fellowship

I.R.C.C.S Policlinico San Donato, San Donato Milanese (MI); Clinical Cardiology Department  
Dott. F. Bedogni  
May 2018 – Nov 2019

- *Execution and interpretation of intravascular imaging technique (IVUS and OCT)*
- *Execution and interpretation of right and left heart catheterization in patient with heart failure or congenital heart disease*
- *Functional assessment of moderate coronary stenosis through FFR, iFR and DPR*
- *Participation in 350 PCI including 50 as primary operator*
- *Participation in 50 ASD and PFO closure with different devices (Amplatzer, Gore, NobleStich)*
- *Participation in over 100 TAVI procedure with both self- and balloon-expandable devices*
- *Participation in procedures for percutaneous treatment of mitral insufficiency including edge-to-edge procedure and direct annuloplasty*
- *Participation in percutaneous left atrial appendage closure*
- *Participation in transcatheter pulmonary valve replacement with balloon-expandable device*

- *Participation in Heart Team patients' evaluation, selection of TAVI devices and access site*
- *Understanding of CTO tools and technique*
- *Analysis and interpretation of generated experimental data*
- *Publication of scientific manuscripts in international peer reviewed journals*

### ***Interventional Cardiology Observership***

European Hospital, Cardiology Department, Rome

Dott. F. Tomai

Jan 2014 – Dec 2014

- *Understanding of key interventional tools and technique*
- *Management vascular approaches in interventional cardiology: selection, closure, recognizing and treating complications*
- *Understanding of PCI technique for bifurcation lesion*
- *Attendance to percutaneous mitral valvuloplasty*
- *Management of anti-aggregation and anti-coagulation during endovascular surgery*
- *Publication of scientific manuscripts in international peer reviewed journals*

### ***Cardiac Intensive Care Unit and Mechanical Circulatory Support Program Observership***

Columbia University Medical Center, Presbyterian Hospital, New York; Cardiology Department Prof.

U. Jorde

Sept 2012-Jan 2013

- *Independent planning and implementation of research projects*
- *Analysis and interpretation of generated experimental data*
- *Presentation of scientific work in departmental seminars and international conferences*
- *Evaluation of patient for LVAD implantation or heart transplantation*
- *Attendance to endomyocardial biopsy, LVAD implant and heart transplant*

### ***Internal Medicine Department and Emergency Room Observership***

Conquest Hospital, Hastings (London)

Jul 2011-Aug2011

- *Evaluation of critical patients*
- *Knowledge of diagnostic and therapeutic iter in Emergency Room Department*

**Languages:** Italian (mother tongue)

English:

- *Understanding: C1*
- *Speaking: C1*
- *Writing: C1*

**Research Project:** *Co-Investigator for the following studies*

- *Portico NG approval study (NCT04011722), 17 Sept 2019 - ongoing.*
- *Vantage Global Trial (NCT04788888), 13 Jun 2021 - ongoing*
- *The OPTIMAL Randomized Controlled Trial (NCT04111770), 8 July 2020 – ongoing*
- *NAUTILUS Trial, (NCT04704258)11 Jan 2021- ongoing*
- *The CONFIDENCE Registry (NCT03752866). 26 Nov 2018 - ongoing*

### **Certification**

- *Certified implanter for Portico (Abbott) TAVI (11/2021)*

- Consultant for “commissural alignment” technique of Acurate NEO2 (Boston Scientific) TAVI

**Chapters in Books (author):**

*TAVI in complex clinical and anatomical scenarios* (F. Saia, G. Tarantini), Edizioni Minerva Medica, 2018

*Transcatheter Aortic Valve Implantation - Clinical, Interventional and Surgical Perspectives* (A. Giordano, G. Biondi-Zoccai, G. Frati), Springer, 2019

*Aortic Valve Transcatheter Intervention: Complications and Solutions* (Zimarino M, Waksman R, Amat-Santos I.J., Tamburino C.) Wiley Online Library, 2021

Dr. Matteo Casenghi