

CURRICULUM VITAE

Francesco Giannini, MD

Date of birth: December 8, 1982, in Catanzaro (CZ), Italy
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Professional Experience

10/2022- ongoing	Interventional Cardiologist, U.O. Cardiologia Ospedaliera, IRCCS Ospedale Galeazzi Sant'Ambrogio, Milan, Italy
02/2021-08/2022	Chief of Interventional Cardiology in Structural Disease, Maria Cecilia Hospital, Care & Research, Cotignola, Italy
12/2018 -02/2021	Chief of Interventional Cardiology Department, GVM Maria Cecilia Hospital, Cotignola, Ravenna
01/ 2015-11/2018	Interventional Cardiologist, IRCCS Ospedale San Raffaele, Milan
09/2015 ongoing	Interventional Cardiologist, Clinic Columbus, Milan
01/2014-01/2015	Fellow in interventional Cardiology, Isala Hospital, Zwolle, De Netherlands

Education

2012-2013	2nd level master in Interventional cardiology at IRCCS San Raffaele Hospital, Milan, Italy. During this year of training, I performed more than 200 PCI as first operator. I started my training in structural heart disease participating in TAVI as 2nd second operator as well as in MitraClip procedures. Thesis title "The ratio of contrast volume to glomerular filtration rate predicts acute kidney injury and mortality after transcatheter aortic
2007-2012	Resident in Cardiology University of Trieste, Italy. I was exposed daily to complex patients with acute coronary syndrome and chronic ischemic heart disease, advanced acute and chronic heart failure, arrhythmias, valvulopathies, either in clinical ward, emergency department, step-down unit and cardiac intensive care unit.
2005-2011	School of Medicine , University of Trieste, Italy.
1999-2004	Humanistic Studies High School , Liceo "classico" LS. Antonio di Padova, Soverato, CZ, Italy

Academic Degrees

03/2012	Cardiologist Specialist (grade 60/60 cum laude), University of Trieste, Italy
10/2007	Doctor of Medicine (grade 110/110 cum laude), University of Trieste, Italy

Professional Certifications

2008	Medical Board Certification, University of Trieste, Italy
2021	Awarded with the national scientific qualification as Associate Professor (06/01 Malattie dell'apparato cardiovascolare e respiratorio)

Assignments and Professional Memberships

2019-	European Association of Percutaneous Cardiovascular Interventions (EAPCI)
2015-	European Society of Cardiology (ESC)
2013-	Italian Society of Invasive Cardiology (GISE)
2008-	Italian Society of Cardiology (SIC)
2020-	Member of task force for the of the paper on Percutaneous therapies of acute pulmonary embolism: a consensus paper of the ESC Working Group on Pulmonary Circulation and Right Ventricular Function and European Association of Percutaneous Cardiovascular Interventions (EAPCI)

Clinical Skills

Full independent in the management and percutaneous treatment of coronary artery diseases and structural heart diseases. In particular gained experience in:

- treatment of complex coronary artery diseases
- transcatheter treatments of valve diseases (TAVR, Mitraclip, Triclip, TVMR)
- percutaneous mechanical circulatory support (Impella, Impella RP)
- management and percutaneous treatment of refractory angina (Narrowing of coronary sinus)
- left appendage and PFO closures
- management of pressure control intermittent coronary sinus occlusion

Trainer in TAVR and Reducer procedures.

Growing experience (animal lab) in robotic PCI, trans-septal mitral valve replacement devices, percutaneous treatment of heart failure (LV remodelling devices).

Research activity

Bibliometric index.

Publications: over 315 papers in indexed journals, 7000 citations

H-index: 42

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Selected publications:

- Baldetti L, **Giannini F**, Van Mieghem N, El Faquir N, Tchetché D, De Biase C, Petronio AS, Giannini C, Tarantini G, Fraccaro C, Finkelstein A, Segev A, Barbash I, Bruschi G, Tamburino C, Barbanti M, Lim S, Kuntjoro I, Abdel-Wahab M, Colombo A, Latib A (2019). Outcome of Patients Undergoing Transcatheter Implantation of Aortic Valve With Previous Mitral Valve Prosthesis (OPTIMAL) Study. CANADIAN JOURNAL OF CARDIOLOGY, vol. 35, p. 866-874, ISSN: 0828-282X, doi: 10.1016/j.cjca.2019.03.028
- **Giannini F**, Latib A, Jabbour RJ, Ruparelina N, Aurelio A, Ancona MB, Figini F, Mangieri A, Regazzoli D, Tanaka A, Montalto C, Azzalini L, Monaco F, Agricola E, Chieffo A, Montorfano M, Alfieri O, Colombo A (2016). Impact of post-procedural hyperglycemia on acute kidney injury after transcatheter aortic valve implantation. INTERNATIONAL JOURNAL OF CARDIOLOGY, vol. 221, p. 892-897, ISSN: 0167-5273, doi: 10.1016/j.ijcard.2016.07.029
- **Giannini F**, Latib A, Ancona MB, Costopoulos C, Ruparelina N, Menozzi A, Castriota F, Micari A, Cremonesi A, De Felice F, Marchese A, Tespili M, Presbitero P, Sgueglia GA, Buffoli F, Tamburino C, Varbella F, Colombo A (2017). A Propensity Score Matched Comparative Study Between Paclitaxel-Coated Balloon and Everolimus-Eluting Stents for the Treatment of Small Coronary Vessels. CATHETERIZATION AND CARDIOVASCULAR INTERVENTIONS, vol. 90, p. 380-386, ISSN: 1522-1946, doi: 10.1002/ccd.26929
- **Giannini F**, Pagnesi M, Campo G, Donahue M, Ferri LA, Briguori C, Stefanini GG, Scardala R, Sardella G, De Rosa S, Figini F, Monello A, Pastormerlo LE, Testa L, Nicolino A, Ielasi A, Durante A, Leone A, Tzanis G, Mangieri A, Ciccarelli G, Briani M, Reimers B, Ceccacci A, Indolfi C, Sheiban I, Palmieri C, Bedogni F, Tespili M, Latib A, Colombo A, Gallo F (2020). Italian Multicenter Registry of Bare Metal Stent Use in Modern Percutaneous Coronary Intervention Era (AMARCORD): A multicenter observational study. CATHETERIZATION AND CARDIOVASCULAR INTERVENTIONS, ISSN: 1522-1946, doi: 10.1002/ccd.28798 EA MAR 2020
- **Giannini F**, Baldetti L, Ponticelli F, Ruparelina N, Mitomo S, Latib A, Montorfano M, Jabbour RJ, Aurelio A, Ferri L, Mangieri A, Regazzoli D, Ancona M, Pagnesi M, Faccini A, Chieffo A, Azzalini L, Carlino M, Colombo A (2018). Coronary Sinus Reducer Implantation for the Treatment of Chronic Refractory Angina A Single-Center Experience. JACC: CARDIOVASCULAR INTERVENTIONS, vol. 11, p. 784-792, ISSN: 1936-8798, doi: 10.1016/j.jcin.2018.01.251
- **Giannini F**, Palmisano A, Baldetti L, Benedetti G, Ponticelli F, Rancoita PMV, Ruparelina N, Gallone G, Ancona M, Mangieri A, Tzanis G, De Cobelli F, Del Maschio A, Colombo A, Esposito A (2019). Patterns of Regional Myocardial Perfusion Following Coronary Sinus Reducer Implantation Insights by Stress Cardiac Magnetic Resonance. CIRCULATION. CARDIOVASCULAR IMAGING, vol. 12, ISSN: 1941-9651, doi: 10.1161/CIRCIMAGING.119.009148
- **Giannini F**, Baldetti L, Königstein M, Rosseel L, Ruparelina N, Gallone G, Colombo A, Banai S, Verheye S (2018). Safety and efficacy of the reducer: A multi-center clinical registry - REDUCE study. INTERNATIONAL JOURNAL OF CARDIOLOGY, vol. 269, p. 40-44, ISSN: 0167-5273, doi: 10.1016/j.ijcard.2018.06.116
- Regueiro A, Linke A, Latib A, Ihlemann N, Urena M, Walther T, Husser O, Herrmann HC, Nombela-Franco L, Cheema AN, Le Breton H, Stortecky S, Kapadia S, Bartorelli AL, Sinning JM, Amat-Santos I, Munoz-Garcia A, Lerakis S, Gutierrez-Ibanez E, Abdel-Wahab M, Tchetché D, Testa L, Eltchaninoff H, Livi U, Castillo JC, Jilaihawi

- H, Webb JG, Barbanti M, Kodali S, de Brito FS, Ribeiro HB, Miceli A, Fiorina C, Dato GMA, Rosato F, Serra V, Masson JB, Wijeyesundera HC, Mangione JA, Ferreira MC, Lima VC, Carvalho LA, Abizaid A, Marino MA, Esteves V, Andrea JCM, **Giannini F**, Messika-Zeitoun D, Himbert D, Kim WK, Pellegrini C, Auffret V, Nietlispach F, Pilgrim T, Durand E, Lisko J, Makkar RR, Lemos PA, Leon MB, Puri R, San Roman A, Vahanian A, Sondergaard L, Mangner N, Rodes-Cabau J (2016). Association Between Transcatheter Aortic Valve Replacement and Subsequent Infective Endocarditis and In-Hospital Death. *JAMA*, vol. 316, p. 1083-1092, ISSN: 0098-7484, doi: 10.1001/jama.2016.12347
- Costopoulos C, Latib A, Naganuma T, Sticchi A, Figini F, Basavarajaiah S, Carlino M, Chieffo A, Montorfano M, Naim C, Kawaguchi M, **Giannini F**, Colombo A (2013). The Role of Drug-Eluting Balloons Alone or in Combination With Drug-Eluting Stents in the Treatment of De Novo Diffuse Coronary Disease. *JACC: CARDIOVASCULAR INTERVENTIONS*, vol. 6, p. 1153-1159, ISSN: 1936-8798, doi: 10.1016/j.jcin.2013.07.005
 - Franzoni I, Latib A, Maisano F, Costopoulos C, Testa L, Figini F, **Giannini F**, Basavarajaiah S, Mussardo M, Slavich M, Taramasso M, Cioni M, Longoni M, Ferrarello S, Radinovic A, Sala S, Ajello S, Sticchi A, Giglio M, Agricola E, Chieffo A, Montorfano M, Alfieri O, Colombo A (2013). Comparison of Incidence and Predictors of Left Bundle Branch Block After Transcatheter Aortic Valve Implantation Using the CoreValve Versus the Edwards Valve. *THE AMERICAN JOURNAL OF CARDIOLOGY*, vol. 112, p. 554-559, ISSN: 0002-9149, doi: 10.1016/j.amjcard.2013.04.026
 - Mangieri A, Tchetché D, Kim WK, Pagnesi M, Sinning JM, Landes U, Kornowski R, De Backer O, Nickenig G, Ielasi A, De Biase C, Sondergaard L, De Marco F, Montorfano M, Chiarito M, Regazzoli D, Stefanini G, Presbitero P, Toggweiler S, Tamburino C, Imme S, Tarantini G, Sievert H, Schafer U, Kempfert J, Woehrle J, Gallo F, Laricchia A, Latib A, **Giannini F**, Colombo A (2020). Balloon Versus Self-Expandable Valve for the Treatment of Bicuspid Aortic Valve Stenosis Insights From the BEAT International Collaborative Registry. *CIRCULATION. CARDIOVASCULAR INTERVENTIONS*, vol. 13, ISSN: 1941-7640, doi: 10.1161/CIRCINTERVENTIONS.119.008714
 - Holzamer A, Kim WK, Ruck A, Sathananthan J, Keller L, Cosma J, Bauer T, Nef H, Amat-Santos IJ, Brinkert M, Husser O, Pellegrini C, Schofer J, Nerla R, Montorfano M, **Giannini F**, Stella P, Kuwata S, Hilker M, Castriota F, Ussia GP, Webb JG, Nietlispach F, Toggweiler S (2019). Valve-in-Valve Implantation Using the ACURATE Neo in Degenerated Aortic Bioprostheses An International Multicenter Analysis. *JACC: CARDIOVASCULAR INTERVENTIONS*, vol. 12, p. 2309-2316, ISSN: 1936-8798, doi: 10.1016/j.jcin.2019.07.042

Current research interests and research experience

Particularly interested in the physiopathology and the treatment of coronary artery disease and refractory angina; development of new approaches and techniques for transcatheter treatment of valvopathies; use of biomedical engineering and artificial intelligence technology to design models of CV diseases; implementation of imaging techniques in the field of cardiovascular diseases.

Principal investigator and co-PI in different prospective and retrospective registries in the field of coronary artery diseases and structural heart diseases.

02/2021-03/2022	Co-investigator in "The Coronary AccEss After Tavi Registry - A Multicenter Prospective Registry for the Coronary Access After TAVI (CAvEAT) (ClinicalTrials.gov Identifier: NCT04647864
02/2021-03/2022	Co.investigator in "TReAtmeNt of Small Coronary Vessels: MagicTouch Sirolimus Coated Balloon (TRANSFORM I) (ClinicalTrials.gov Identifier: NCT03913832)
02/2021-03/2022	ABILITY Diabetes Global (ABILITY) (ClinicalTrials.gov Identifier: NCT04236609)
03/2021-03/2022	Trial of Replacement Heart Valves in Patients With Narrowing of the Heart Valves (LANDMARK) (ClinicalTrials.gov Identifier: NCT04275726)
02/2021-03/2022	Co investigato in "Evaluate the Safety and Performance of the AccuCinch® Ventricular Repair System - The CorCinch-EU Study (ClinicalTrials.gov Identifier: NCT03183895)
02/2021-03/2022	Co investigato in "An Observational Real-world Study Evaluating Severe Tricuspid Regurgitation Patients Treated With the Abbott TriClip™ Device (bRIGHT)" (ClinicalTrials.gov Identifier: NCT04483089)
02/2021-03/2022	Co investigato in "AHEAD: European Feasibility Study of the Cardiovalve Transfemoral Mitral Valve System (AHEAD)" (ClinicalTrials.gov Identifier: NCT03339115)
02/2021-03/2022	Co investigato in "PROTECTED TAVR: Stroke PROTECTION With SEntinel During Transcatheter Aortic Valve Replacement (PROTECTED TAVR) " (ClinicalTrials.gov Identifier: NCT04149535)
07/2019-03/2022	Principal investigator in "The Fire trial (ClinicalTrials.gov Identifier: NCT03772743)
12/2019-03/2022	Principal investigator in "EASTBOURNE registry (ClinicalTrials.gov Identifier: NCT03085823)
12/2019-03/2022	Principal investigator in "Giotto registry" (ClinicalTrials.gov Identifier: NCT03521921)
11/2020-03/2022	Principal investigator in "FAVOR III" (ClinicalTrials.gov Identifier: NCT03729739)

03/2020-03/2022	Coordinator of the multicentric registry "registro sCORE COVID-19"
03/2015-05/2019	Co-investigator in the multicentric registry "Outcome of Coronary Ostial Stenting to Prevent Coronary Obstruction During Transcatheter Aortic Valve Replacement"
03/2015-02/2019	Co-investigator in the multicentric registry "Valve-in-Valve Implantation Using the ACURATE Neo in Degenerated Aortic Bioprostheses"
06/2013-10/2018	Coordinator of the multicentric registry "BEAT: international collaborative registry (Balloon vs. Self-Expandable valve for the treatment of bicuspid Aortic valve stenosis)"
12/2013-04/2016	Co-investigator in the multicentric registry "RELEVANT Study: REgistry of LotusvalvE for treatment of aortic VALve stenosis with Tavr"
01/2013-02/2020	Coordinator of the multicentric registry "AMARCORD: Utilizzo in Italia dei bare-metal stent in pazienti sottoposti ad angioplastica coronarica in epoca moderna"
05/2012-12/2014	Co-investigator in the multicentric registry "Long-term follow-up of BVS"
09/2010-06/2018	Coordinator of the multicentric registry "REDUCE study: safety and efficacy of the reducer"
03/2010-02/2016	Co-investigator in EUROMAX trial, (European Ambulance Acute Coronary Syndrome (ACS) Angiography Trial, ClinicalTrials.gov Identifier: NCT01087723)
03/2010-12/2016	Co-investigator in BELLO trial, Balloon Elution and Late Loss Optimization" (ClinicalTrials.gov Identifier: NCT01086579)
06/2005-10/2015	Co-investigator in the multicentric registry: Association Between Transcatheter Aortic Valve Replacement and Subsequent Infective Endocarditis and In-Hospital Death

Teaching Activities

2017-2018	Adjunct Teaching Professor at San Raffaele University, Italy
2020- ongoing	Adjunct Teaching Professor at 2nd level master in Interventional cardiology, Ferrara University, Italy
2020- ongoing	Coordinator of the educational program of 2nd level master in Interventional cardiology, Ferrara University, Italy

Editorial Activity

01/2017-ongoing	Editorial board member of Giornale Italiano di Cardiologia Invasiva
01/2019-ongoing	Associate editor of "European heart journal- case reports"
Peer reviewing for Lancet, European Heart journal, JACC, JACC intervention.	

Congress experiences

Speaker experiences in different topics at Italian and International congresses.
Operator during live cases in Italian and International congresses

Awards and honors

Winner of Best start-up and innovation competition, GISE 2016

Language skills

Italian: native
English: excellent