

Curriculum Vitae

Dr. Med. Francesca Guastafierro, MBBCh
Specialist in Cardiology

PERSONAL DETAILS

Date/Place of birth: March 26th, 1987 (Italy)

Sex: Female

Martial Status: Not Married

Nationality: Italian



STUDIES/SCHOOLS

Residency, University of Foggia (Italy), Resident in Cardiology	2015-2019
Registration to the Order of Physicians, Surgeons and Dentists (OMCEO), Rome, Italy (ID n°60891)	March 2014
Qualification to the Medical Practice, University General Hospital "A. Gemelli", Rome (Italy)	February 2014
Medical School, University General Hospital "Gemelli", Rome (Italy)	October 2007-2013
Graduated Summa Cum Laude	
Secondary School, "R. Caccioppoli Institut of Scafati" (Salerno)	September 2002-2007
High School, Naples (Italy)	September 1999-2002
Elementary School, Naples (Italy)	September 1994-1999

HOBBIES

Discovering nature, group traveling, sport (running, cycling, mountain biking), reading classic literature, social voluntary, photography, cooking for friends and my family.

LANGUAGES

Italian: Mother tongue
English: Intermediate Listener, Novice Speaker, Advanced Reading and Writing
French: Basic conversational level

CURRENT AND RECENT PAST

Since April 2023

Official Member Italian Federation of Sports Medicine (FMSI)

Francesca Guastafierro, MBBCh. CV.

Last update in August 2023

1

26/10/2024

October 2022-2023

Fellow of Second Level Short Specialisation in
Sports Cardiology at the Department of Cardiology, Padua University, Italy

Since December 2019

Cardiologist and heart imager specialized in
perioperative echocardiographic evaluation at the Cardiac Surgery Department,
San Donato Hospital, Italy

November 2019 - May 2020

Fellow of CAS (Certificate of Advanced
Studies) in Multimodality Imaging for Structural Heart Interventions at the
Department of Cardiac Surgery, University Hospital of Zurich (USZ), Switzerland

November 2018 - November 2019

Echo and clinical research fellow for
Echocardiography ARVC Research Team at the Department of Cardiology,
University Hospital of Zurich (USZ), Switzerland

August 2018 - November 2019

Local coordinator of the "GEIST" (German
and Italian Stress Cardiomyopathy) Registry at the University of Foggia, Italy

PUBLICATIONS

Journal Publications

Shehab Anwer, **Francesca Guastafierro**, Ladina Erhart, Sarah Costa, Deniz Akdis, Manuel Schuermann, Sara Hosseini, Neria E Winkler, Nazar Kuzo, Alessio Gasperetti, Corinna Brunckhorst, Firat Duru, Ardan M Saguner, Felix C. Tanner.
Right atrial strain and cardiovascular outcome in arrhythmogenic right ventricular cardiomyopathy. Eur Heart J Cardiovasc Imaging 2022 Jun 21;23(7):970-978. doi: 10.1093/ehjci/jeac070.

Francesco Santoro, **Francesca Guastafierro**, Tecla Zimotti, Adriana Mallardi, Alessandra Leopizzi, Michele Cannone, Matteo Di Biase, Natale Daniele Brunetti. Neutrophil/lymphocyte ratio predicts in-hospital complications in Takotsubo syndrome. Results from a prospective multi-center registry. Clin Cardiol. 2020 Nov; 43(11): 1294–1300. Published online 2020 Aug 8. doi: 10.1002/clc.23442.

Pier Luigi Pellegrino, Grazia Casavecchia, Matteo Gravina, Giuseppe Carpagano, **Francesca Guastafierro**, Luigi Di Biase, Jorge Romero, Francesco Santoro, Matteo Di Biase, Luca Macarini, Natale Daniele Brunetti. Concealed Structural Heart Disease Discovered at Cardiac Magnetic Resonance in Patients With Ventricular Extrasystoles From Ventricular Outflow Tract and Apparently Normal Hearts. J Interv Card Electrophysiol. 2020 May 27. doi:10.1007/s10840-020-00771-5.

El-Battrawy I, Santoro F, Stiermaier T, Möller C, **Guastafierro F**, Novo G, Novo S, Santangelo A, Mariano E, Romeo F, Thiele H, Guerra F, Capucci A, Giannini I, Caldarola P, Brunetti ND, Eitel I, Akin I. Prevalence, management, and outcome of adverse

Francesca Guastafierro, MBBCh. CV.

Last update in August 2023

26/10/2024 

rhythm disorders in takotsubo syndrome: insights from the international multicenter GEIST registry. *Heart Fail Rev.* 2020 May;25(3):505-511. doi: 10.1007/s10741-019-09856-4.

Bottiglierio D, Monaco I, Santacroce R, Casavecchia G, Correale M, **Guastafierro F**, Leccese A, Cordisco G, Ieva R, Trunzo R, Di Biase M, Margaglione M, Brunetti ND. Novel AKAP9 mutation and long QT syndrome in a patient with torsades des pointes. *J Interv Card Electrophysiol.* 2019 Aug 15. doi: 10.1007/s10840-019-00606-y.

Santoro F, Nunez G. IJ, Stiermaier T, El-Battrawy, Guerra F, Novo, G, **Guastafierro F**, Tarantino N, Novo S, Mariano E, Romeo F, Capucci A, Bahlmann E, Zingaro M, Cannone M, Caldarola P, Marchetti MF, Montisci R, Meloni L, Thiele H, Di Biase M, Almendro-Delia M, Sionis A, Akin I, Eitel I, Brunetti ND. Assessment of the German and Italian Stress Cardiomyopathy Score for Risk Stratification for In-hospital Complications in Patients With Takotsubo Syndrome. *JAMA Cardiology* 2019 August 7; doi: 10.1001/jamacardio.2019.2597.

Santoro F, **Guastafierro F**, Guerra F, Novo, G, Mariano E, Romeo F, Brunetti ND. Incidence and clinical impact of recurrent Takotsubo Syndrome: results from the GEIST Registry *J Am Heart Assoc.* 2019 May 7;8(9):e010753. doi: 10.1161/JAHA.118.010753.

Brunetti ND, Tarantino N, **Guastafierro F**, De Gennaro L, Correale M, Stiermaier T, Möller C, Di Biase M, Eitel I, Santoro F. Malignancies and outcome in Takotsubo syndrome: a meta-analysis study on cancer and stress cardiomyopathy. *Heart Fail Rev.* 2019 Feb 26. doi: 10.1007/s10741-019-09773-6.

Santoro F, Stiermaier T, **Guastafierro F**, Tarantino N, Eitel I, Brunetti ND. Oral anticoagulation in high risk Takotsubo syndrome: when should it be considered and when not? *BMC Cardiovasc Disord.* 2018 Oct 29;18(1):205.

Thomas Stiermaier, Francesco Santoro, Tobias Graf, **Francesca Guastafierro**, Nicola Tarantino, Luisa De Gennaro, Pasquale Caldarola, Matteo Di Biase, Holger Thiele, Natale D Brunetti, Christian Möller, Ingo Eitel. Prognostic Value of N-Terminal Pro-B-Type Natriuretic Peptide in Takotsubo Syndrome. *Clin Res Cardiol.* 2018 Jul;107(7):597-606. doi: 10.1007/s00392-018-1227-1. Epub 2018 Apr 19.

Tarantino N, Santoro F, **Guastafierro F**, Di Martino LFM, Scarcia M, Ieva R, Ruggiero A, Cuculo A, Mariano E, Di Biase M, Brunetti ND. "Lambda-wave" ST-elevation is associated with severe prognosis in stress (takotsubo) cardiomyopathy. *Ann Noninvasive Electrocardiol.* 2018 Nov;23(6):e12581.

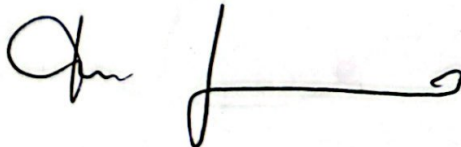
Santoro F, Costantino MD, **Guastafierro F**, Triggiani G, Ferraretti A, Tarantino N, Saguner A, Di Biase M, Brunetti ND. Inflammatory patterns in Takotsubo cardiomyopathy and acute coronary syndrome: A propensity score matched analysis. *Atherosclerosis.* 2018 May 25; 274:157-161.

Stiermaier T, Santoro F, Graf T, **Guastafierro F**, Tarantino N, De Gennaro L, Caldarola P, Di Biase M, Thiele H, Brunetti ND, Möller C, Eitel I. Prognostic value of N-Terminal Pro-B-Type Natriuretic Peptide in Takotsubo syndrome. *Clin Res Cardiol.* 2018 Jul;107(7):597-606.

Francesca Guastafierro, MBBCh. CV.

Last update in August 2023

3

26/10/2024 

Santoro F, Stiermaier T, Tarantino N, **Guastafierro F**, Graf T, Möller C, Di Martino LFM, Thiele H, Di Biase M, Eitel I, Brunetti ND. Diagnostic criteria, left ventricular thrombosis, and QT-interval in Takotsubo syndrome. *Int J Cardiol.* 2018 May 1 ;258:29.

Santoro F, Stiermaier T, Tarantino N, **Guastafierro F**, Graf T, Möller C, Di Martino LFM, Thiele H, Di Biase M, Eitel I, Brunetti ND. ST-elevation magnitude and evolution in Takotsubo syndrome. *Int J Cardiol.* 2018 Apr 15; 257:39.

Santoro F, Stiermaier T, Tarantino N, **Guastafierro F**, Graf T, Moller C, Di Martino LFM, Thiele H, Di Biase M, Eitel I, Brunetti ND. Impact of persistent ST elevation on outcome in patients with Takotsubo syndrome. Results from the GErman Italian STress Cardiomyopathy (GEIST) registry. *Int J Cardiol.* 2018 Mar 15; 255:140-144. doi: 10.1016/j.ijcard.2017.11.068. Epub 2017 Nov 22.

Santoro F, Stiermaier T, Tarantino N, L. De Gennaro, C. Moeller, **F. Guastafierro**, M.F. Marchetti, R. Montisci T. Graft, P. Caldarola, H. Thiele M. Di Biase, N.D. Brunetti, I. Eitel. Left ventricular thrombi in Takotsubo syndrome: incidence, predictors and management. Results from the German Italian stress cardiomyopathy (GEIST) registry. *J Am Heart Assoc.* 2017 Dec 4;6(12). doi: 10.1161/JAHA.117.006990.

Stiermaier T, Santoro F, Eitel C, Graf T, Möller C, Tarantino N, **Guastafierro F**, Di Biase M, Thiele H, Brunetti ND, Eitel I. Prevalence and prognostic relevance of atrial fibrillation in patient with Takotsubo syndrome. *Int J Cardiol.* 2017 Oct 15; 245:156-161. doi: 10.1016/j.ijcard.2017.07.053. Epub 2017 Jul 18.

Santoro F, Brunetti ND, Tarantino N, Romero J, **Guastafierro F**, Ferraretti A, Di Martino LFM, Ieva R, Pellegrino PL, Di Biase M, Di Biase L. Dynamic changes of QTc interval and prognostic significance in Takotsubo (stress) cardiomyopathy. *Clin Cardiol.* 2017 Nov;40(11):1116-1122. doi: 10.1002/clc.22798. Epub 2017 Sep 11.

Tarantino N, Santoro F, De Gennaro L, Correale M, **Guastafierro F**, Gaglione A, Di Biase M, Brunetti ND. Fenofibrate/simvastatin fixed-dose combination in the treatment of mixed dyslipidemia: safety, efficacy and place in therapy. *Vasc Health Risk Manag.* 2017 Feb 16;13:29-41. doi: 10.2147/VHRM.S95044. eCollection 2017.

Santoro F, Tarantino N, Ferraretti A, Ieva R, Musaico F, **Guastafierro F**, Di Martino L, Di Biase M, Brunetti ND. Serum interleukin 6 and 10 levels in Takotsubo cardiomyopathy: increased admission levels may predict adverse events at follow up. *Atherosclerosis.* 2016 Nov; 254:28-34. doi: 10.1016/j.atherosclerosis.2016.09.012. Epub 2016 Sep 10.

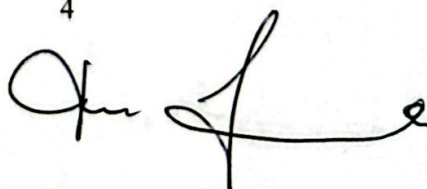
Mascilini F, Moruzzi C, Giansiracusa C, **Guastafierro F**, Savelli L, De Meis L, Epstein E, Timor-Tritsch IE, Mailath-Pokorny M, Ercoli A, Exacoustos C, Benacerraf BR, Valentin L, Testa AC. Imaging of gynaecological disease: clinical and ultrasound characteristics of decidualized endometriomas surgically removed during pregnancy. *Ultrasound Obstet Gynecol.* 2014 Feb 4.

Francesca Guastafierro, MBBCh. CV.

Last update in August 2023

4

26/10/2024



Abstracts and Posters

S. Castelvechio, Frigelli M, Sturla F, Votta E, Milano V, **F. Guastafierro**, Menicanti L. The value of 3D-speckle tracking longitudinal strain for the assessment of left ventricular function recovery in ischemic heart failure patients undergoing surgical remodeling: the RECOVERY-IN study. Oral communication at ESC Congress 2020

F. Guastafierro, S. Hosseini, S. Anwer, N. Kuzo, F. Santoro, N.D. Brunetti, F. Duru, A. Saguner, F.C. Tanner. Association of echocardiographic in arrhythmogenic right ventricular cardiomyopathy.

AWARDED AS THE BEST ABSTRACT 2019 – TOPIC 3 CARDIAC FAILURE, VALVULOPATHIES, CARDIOMYOPATHIES, PERICARDIOPATHIES, HEART TRASPLANTATION at the SSC/SSCS Joint Annual Meeting June 2019

S. Hosseini, P. Heizinger, **F. Guastafierro**, S. Anwer, N. Kuzo, F. Duru, A.M. Saguner, F.C. Tanner. Tissue Doppler imaging and arrhythmogenic right ventricular cardiomyopathy. Rapid fire oral presentation at the SSC/SSCS Joint Annual Meeting June 2019

F. Guastafierro, F. Santoro, N. Tarantino, R. Ieva A. Centola, M. Correale, M. Di Biase, N.D. Brunetti. In-hospital complications among Takotsubo Cardiomyopathy patients. Preliminary data from a prospective multicenter registry. European Heart Journal, Volume 38, Issue suppl_1, 1 August 2017, ehx504.P4518.

F. Santoro, T. Stiermaier, N. Tarantino, L. De Gennaro, C. Moeller **F. Guastafierro M.F.**, Marchetti, R. Montisci, T. Graft, P. Caldarola, H. Thiele, M. Di Biase N.D. Brunetti, I. Eitel. Left ventricular thrombi in Takotsubo syndrome: incidence, predictors and management. Results from the German Italian stress cardiomyopathy (GEIST) registry European Heart Journal, Volume 38, Issue suppl_1, 1 August 2017, ehx504.P4516.

PROFESSIONAL AND ADDITIONAL RESEARCH EXPERIENCES

Winner of ESC Educational Grant for 2019 year.

Principal Investigator in the randomized, double-blind, event-driven, multicenter, clinical trial "COMMANDER HF" (A Study to Assess the Effectiveness and Safety of Rivaroxaban in Reducing the Risk of Death, Myocardial Infarction or Stroke in Participants with Heart Failure and Coronary Artery Disease Following an Episode of Decompensated Heart Failure - study completion date in May 2018).

Principal Investigator in the multicenter, prospective, observational study "POSTER" (A Study to Assess the Prevalence Of familial hypercoleSTERolaemia (familial hypercholesterolaemia) in Italian patients with coronary artERY disease- study completion date in May 2018).

Clinical research and training fellowship in Gynecology Oncology at the University General Hospital "A. Gemelli" (Rome, Italy) and consequent graduation thesis in "Primary tubaric carcinoma: clinical findings and echocardiographic patterns according to the IOTA definitions" (Prof. G. Scambia; Prof. A. C. Testa) in 2012-2013.

Francesca Guastafierro, MBBCh. CV.

Last update in August 2023

5

26/10/2024



Job-related Skills

General skills

Arranging for hospital admissions and laboratory services. Completing patient records after exams and test results. Entering data for medical test results. Facility with medical practice software. Identifying best suppliers by price and quality. Maintaining confidentiality. Monitoring inventory of supplies. Ordering medical supplies. Recording medical histories.

Specialist skills

Managing of principle and typical emergencies maybe occur in I.C.U. (i.e. diagnosis and treatment of acute cardiogenic pulmonary edema, acute myocardial infarction and relative intrahospital complications and acute and chronic heart failure).

Brief experience (September – October 2018) in cardiac Cath Lab at the University Hospital of Foggia (Apulia, Italy) as second operator for around 40 cases of coronary angiography and for around 10 cases of percutaneous coronary intervention (PCI).

Brief experience (June – July 2017) in clinical exercise testing laboratory with treadmill at the University Hospital of Foggia (Apulia, Italy) achieving relative technical basis, managing and consequent reporting for around 80 clinical cases (for outpatients and hospitalized subjects).

Brief experience (June – July – August 2018) in ECG Holter laboratory at the University Hospital of Foggia (Apulia, Italy) achieving relative technical basis of the software and reporting.

The third-year of residency has been dedicated to training in adult echocardiography imaging at the Department of Cardiology and I.C.U. of University Hospital Foggia (Apulia, Italy). The emphasis of this training has been shifted to from basic echo interpretation to advanced level transthoracic echo interpretative skills: after a total training period of 12 months around 1100 transthoracic 2-dimensional echocardiographic exams with relative reports have been performed according to the main current guidelines (2 different ultrasound machines, manufactured by GE and Philips).

From November 2018 to March 2019, a further improvement of this technique has been achieved during my fellowship in Echo Laboratory at the Klinik für Kardiologie - Universitätsspital Zürich (Zürich, Switzerland).

PROFESSIONAL AFFILIATIONS

European Society of Cardiovascular Imaging (EACVI), 2018-2020
Silver Member (ESC ID 729938)

EchoCardioSurgery Annual Congress, 2018-Present
Fellow Member (ID 1369)

Francesca Guastafierro, MBBCh. CV.

Last update in August 2023

26/10/2024

