

Pietro Francia, M.D.

CONTACT INFORMATION

Cardiology Unit

Department of Clinical and Molecular Medicine

University Sapienza

Via di Grottarossa 1039 – 00189 Rome (IT)

Office phone: (+39) 06 3377 5079

Mobile phone: (+39) 328 822 59 10

E-mail: pietro.francia@uniroma1.it

pietro.francia@pec.it

Web page:

<https://corsidilaurea.uniroma1.it/it/users>

[/pietrofranciauniroma1it](https://corsidilaurea.uniroma1.it/it/users/pietrofranciauniroma1it)

RESEARCH INTERESTS

- Cardiac electrophysiology, with special emphasis on ventricular arrhythmia substrates and sudden cardiac death in cardiomyopathies
- Non-transvenous implantable defibrillators
- Innovative AI-based signal processing systems for ECG data

CURRENT POSITION

Assistant Professor of Cardiology and Cardiac Electrophysiologist

2008-2024

Department of Clinical and Molecular Medicine, University Sapienza

Cardiology and Cardiac Electrophysiology, St. Andrea Hospital, Rome, IT

CERTIFICATIONS

- Italian Medical Council: Medical Doctor (2001) and Cardiology specialist (2005)
- Spanish Medical Council (Barcelona): Medical Doctor (2022)
- **Full EHRA certification of EP specialist (2023)**

EDUCATIONAL BACKGROUND

UNIVERISTY SAPIENZA

Graduation in Medicine, 110/110 with honours 2001

Laurea Thesis: "The association of idiopathic dilated cardiomyopathy and coeliac disease"

Director: Prof. Aldo Torsoli

UNIVERISTY SAPIENZA

Cardiology Specialty, 70/70 with honours 2005

Specialty thesis: Short- and long-term effects of cardiac resynchronization therapy on neurohormonal activity in heart failure

Director: Prof. M. Volpe

EMPLOYMENT HISTORY AND FELLOWSHIPS

CARDIOLOGY UNIT, SANT'ANDREA HOSPITAL, UNIVERSITY SAPIENZA

Assistant Professor of Cardiology and Cardiac electrophysiologist 2008-2024

Research lines and clinical focus

- Prognostic implications of scar conducting channels in structural heart diseases
- Ventricular arrhythmias and sudden death in hypertrophic cardiomyopathy
- Non-transvenous implantable defibrillators

ELECTROPHYSIOLOGY CENTER, TEKNON HEART INSTITUTE, BARCELONA (ES)

Visiting professor, cardiac electrophysiology 2021-2022

Director: Dr. Antonio Berruezo

Research lines and clinical focus

- Scar conducting channels in patients with hypertrophic cardiomyopathy
- Atrial fibrillation ablation by left atrial wall thickness
- Cardioneuroablation for reflex syncope

CARDIOLOGY UNIT, SANT'ANDREA HOSPITAL, UNIVERSITY SAPIENZA

Fellow of the Italian Society of Hypertension. Cardiac EP Lab. 2007-2008

ARRHYTHMIA AND ELECTROPHYSIOLOGY CENTER, IRCCS SAN DONATO, MILAN

Clinical fellowship in cardiac electrophysiology

2006-2007

Director: Dr. Riccardo Cappato

Research lines and clinical focus

- Atrial fibrillation ablation
- Prevention of sudden cardiac death

CARDIOVASCULAR RESEARCH CENTER, UNIVERSITY OF ZURICH

Research fellowship in molecular and vascular biology

2002-2003

Director: Prof. Thomas F. Luscher. Supervisor: Prof. Francesco Cosentino

<https://www.zh.ch/en/node/6549>

Research line: vascular biology of engineered animal models: the p66Shc signaling pathway.

Clinical focus: cardiac electrophysiology (Supervisor: Dr. Firat Duru)

SCIENTIFIC NETWORK

Arrhythmia Department, Teknon Heart Institute, Barcelona (ES)

Prognostic implications of scar conducting channels in patients with hypertrophic cardiomyopathy

Atrial fibrillation ablation by left atrial wall thickness

Cardioneuroablation for reflex syncope

Humanitas Research Hospital, Milan (IT)

Prognostic implications of scar conducting channels in patients with structural heart disease

Atrial fibrillation ablation by left atrial wall thickness

Department of Cardiology, Centro Hospitalar de Lisboa Ocidental, Lisboa (Portugal)

Prognostic implications of scar conducting channels in patients with hypertrophic cardiomyopathy

Northeastern University. College of Engineering. Boston, MA, USA.

Ultrasonic intra-body networks of miniaturized implantable sensors

Deep learning-Enhanced ECG analysis for predicting fatal arrhythmias and major cardiovascular events

INVESTIGATOR-INITIATED INTERNATIONAL MULTICENTER STUDIES

- 2017-2024 RHYTHM DETECT (ClinicalTrials.gov Identifier: NCT02275637)
Subcutaneous Implantable Cardiac Defibrillator in the Young and Active Patient:
a prospective multicenter registry. **Principal investigator**
- 2020-2023 RHYTHM DETECT (ClinicalTrials.gov Identifier: NCT02275637)
Subcutaneous Implantable Cardiac Defibrillator in hypertrophic cardiomyopathy
patients. **Principal investigator**
- 2021-2024 Teknon Medical Center, Sapienza University, Univ. Bologna, Centro Hospitalar
de Lisboa Ocidental
Prognostic implications of scar conducting channels in patients with hypertrophic
cardiomyopathy. **Principal investigator**
- 2021-2023 Teknon Medical Center, Barcelona (ES)
ELEGANCE study: cardioneuroablation for reflex syncope. **Investigator**
- 2022-2023 Personalized Persistent Atrial Fibrillation Ablation: The PeAF-by-LAWT Trial
(PeAF-by-LAWT) (ClinicalTrials.gov Identifier: NCT05396534). **Investigator**
- 2021-2023 Long-term outcomes of cavotricuspid isthmus-dependent flutter ablation:
Single vs Double Catheter Procedure (ClinicalTrials.gov Identifier:
NCT04472936). **Investigator**
- 2020-2023 Preventive VT Substrate Ablation in Ischemic Heart Disease (PREVENT-VT)
(ClinicalTrials.gov Identifier: NCT04675073). **Investigator**
- 2020-2023 Personalized Atrial Fibrillation Ablation With QDOT (ClinicalTrials.gov
Identifier: NCT04298177). **Investigator**

- 2020 RHYTHM DETECT (ClinicalTrials.gov Identifier: NCT02275637)
Subcutaneous Cardiac Defibrillator implantation techniques. **Principal investigator**
- 2019 RHYTHM DETECT (ClinicalTrials.gov Identifier: NCT02275637)
Time to therapy delivery and effectiveness of the subcutaneous implantable cardioverter-defibrillator. **Investigator**
- 2019 RHYTHM DETECT (ClinicalTrials.gov Identifier: NCT02275637)
Subcutaneous implantable cardioverter defibrillator in patients with arrhythmogenic right ventricular cardiomyopathy: Results from an Italian multicenter registry. **Investigator**
- 2018 HCM Institute, Tufts Medical Center, Boston, MA
Clinical course and quality of life in high-risk patients with hypertrophic cardiomyopathy and implantable cardioverter-defibrillators. **Investigator**
- 2015 Northeastern University. College of Engineering. Boston, MA, USA.
Ultrasonic intra-body networks of miniaturized implantable sensors
U.S. Patent and Trademark Office. Provisional patent No.: 62/466,176 – US20180256905A1. Co-principal investigator

INVESTIGATOR IN SPONSOR-INITIATED MULTICENTER STUDIES

- 2018-2022 *SMART Registry* (Confirm Rx Insertable Cardiac Monitor SMART Registry)
- 2018-2022 *APPRISE-ATP* (Assessment of Primary Prevention Patients Receiving an ICD – Systematic Evaluation of ATP)
- 2017 *ETNA-AF* (Edoxaban Treatment in routine clinical practice for patients with nonvalvular Atrial Fibrillation)

- 2014 *OPTIMIND-2* (linical Outcome of Pacemaker paTIents according to pacing Modality and primary INDications)
- 2014 *ENSURE-AF* (EdoxabaN vs. warfarin in subjectS UndeRgoing cardioversion of Atrial Fibrillation)
- 2012 *GARFIELD* (Global Anticoagulant Registry in the FIELD-Atrial Fibrillation)

FUNDING

Year	Title	Program
2023	Deep learning-Enhanced ECG analysis for Predicting fatal arrhythmias and major CARdiovascular Events in intensive care patients	University Sapienza, Research Grant (2023)
2021	Principal investigator Prediction of life-threatening ventricular arrhythmia in patients with hypertrophic cardiomyopathy: role of three-dimensional architecture of scar conducting channels assessed with high resolution cardiac magnetic resonance	University Sapienza, Research Grant (2021)
2021	Principal investigator Arrhythmic risk stratification strategies in Brugada Syndrome. Research Grant in Cardiovascular Diseases	Research Fellowship in Cardiovascular Diseases, Abbott private grant
2020	Co-Principal investigator SAFE-MATE: Silent Atrial Fibrillation ECG Monitor with Artificial inTElligence	Lazio Innova, Research Grant "Strategic projects" 2020
2020	Principal investigator High resolution P wave analysis to assess atrial fibrillation substrates in patients with stroke of unknown cause	University Sapienza, Research Grant (2020)
2020	Investigator DIONISO: Innovative seismic home automation technologies for building and facility safety: remote assessment of clinical instability of survivors involved in building collapse	Project SCN_00320, MIUR D.D. n. 1836; 25-07-2017

2019	Principal investigator Ventricular arrhythmias in patients with cardiomyopathies	Private funding, Abbott grant
2019	Principal investigator ECG markers for sudden cardiac death in idiopathic epilepsy	University Sapienza, Research Grant (2019)
2018	Principal investigator Arrhythmic risk stratification in hypertrophic cardiomyopathy	Research Fellowship in Cardiovascular Diseases, Boston Scientific private grant
2018	Principal investigator Assessment of non-sustained ventricular tachycardia in hypertrophic cardiomyopathy with long-term continuous ECG monitoring	University Sapienza, Research Grant (2018)
2018	Principal investigator Assessing the benefits of life-saving therapies and long-term complications in a cohort of young patients implanted with a trans-venous or a subcutaneous ICD	Investigator Sponsored Research program, Boston Scientific research grant
2017	Principal investigator Non-invasive risk stratification of sudden cardiac death in non-ischemic cardiomyopathies	Research Fellowship in Cardiovascular Diseases, Boston Scientific private grant
2017	Principal investigator Prognostic impact and clinical correlates of early repolarization in patients with hypertrophic cardiomyopathy	University Sapienza, Research Grant (2017)
2016	Principal Investigator Circulating growth differentiation factor-15 as a predictor of ventricular arrhythmia and sudden death in patients with ischemic and non-ischemic cardiomyopathy	University Sapienza, Research Grant (2016)
2015	Principal Investigator Assessing cardiac fibrosis as a substrate of sudden death in hypertrophic cardiomyopathy through signal averaged electrocardiography, QRS fragmentation, and microvolt T-wave alternans	University Sapienza, Research Grant (2015)
2015	Co-Principal Investigator The multisite ultrasonic wireless pacemaker-defibrillator	TIER1 Grant (2015) Northeastern University, Boston (MA), USA

2012	Principal Investigator The p66Shc adaptor protein at the crossroad of myocardial and electrical remodelling in aging: focus on cardiac arrhythmias in a p66Shc knock-out model	University Sapienza Research Project, Young Investigator (2012)
2012	Principal Investigator Modelling substrates of sudden death in heart failure using Induced Pluripotent Stem Cell- derived cardiomyocytes	Young Researcher Fellowship Position, University Sapienza (2012)
2009	Principal Investigator Deletion of the p66Shc gene in age-related cardiac arrhythmias	Faculty Research Project, University Sapienza (2009)

PATENTS

- 2022 Automatic Diagnosis System for Cardiac Arrhythmias.
First inventors: Pietro Francia, Stefania Colonnese.
Italian patent application number 102022000026454, filed on 22.12.2022
- 2018 The multi-site ultrasonic wireless pacemaker-defibrillator (provisional)
Inventors: Pietro FRANZIA, Rome (IT); Tommaso MELODIA, Newton, MA (US); Matteo RINALDI, Boston, MA (US). U.S. Patent and Trademark Office No.:62/466,176 – Provisional Patent Pub.No.:US2018/0256905A1 Northeastern-Sapienza University inter-institutional agreement: 25/05/2018

AWARDS AND HONOURS

Awardee of the grant: *Modeling substrates of sudden death in heart failure using Induced Pluripotent Stem Cell-derived cardiomyocytes*. University Sapienza (2012)

Awardee of the Scholarship of the “Italian Society of Hypertension”. Project: *Intravascular ultrasound of pulmonary veins in hypertensives with atrial fibrillation* (2007)

Young Investigators Award of the Italian Society of Cardiology. Project: *Deletion of p66Shc gene protects against age-related endothelial dysfunction* (2003)

PROFESSIONAL ACTIVITIES AND SERVICE TO SCIENTIFIC COMMUNITY

Professional memberships

European Society of Cardiology, professional member

European Hearth Rhythm Association, silver member

AIAC (Italian Heart Rhythm Association)

Positions in scientific societies

2022-2024 European Heart Rhythm Association
Member of the Selection Committee

Editorial activities

2022-2024 *Associate Editor*, Cardiac Rhythmology Section
Frontiers in Cardiovascular Medicine

Editorial Board Member

2012-2018 Editorial Board Consulting Member
High Blood Pressure and Cardiovascular Prevention. Springer.

Ad hoc Reviewer

European Heart Journal
2009- Circulation
2024 European Journal of Heart Failure
Journal of the American College of Cardiology EP
Frontiers in Cardiovascular Medicine
Pacing and Clinical Electrophysiology
Clinical Cardiology

Academic assignments (University Sapienza)

2011-2014 VQR (Evaluation of Research Quality) Reviewer
2013 –2015 Member of the Research Grant Committee, “Macroarea B”, University Sapienza
2011-2018 U-GOV/Iris advisor, Dept. of Clinical and Molecular Medicine, Univ. Sapienza

Teaching

2012-2024	Faculty of Medicine and Psychology, University Sapienza Medicina e chirurgia 26675 A/A	Cardiovascular diseases (Cod. 1027451)
2012-2024	Faculty of Medicine and Psychology, University Sapienza	Specialization Course in Cardiology
2013-2024	Faculty of Medicine and Psychology, University Sapienza Tecnica della riabilitazione psichiatrica 16053 A/A	Interdisciplinary and Clinical Sciences: Cardiovascular System Diseases (Cod. 1035274)

2023-2024	Faculty of Medicine and Psychology, University Sapienza Bachelor's Degree in Midwifery	Clinical Methodology
2015-2016	Faculty of Medicine and Psychology, University Sapienza Medicina e chirurgia 26675 A/A	Scientific Methodology and Human Sciences (Cod. 1038689)
2020-2022	Faculty of Medicine and Psychology, University Sapienza 30011 Infermieristica	Nursing of Therapeutic and Care Processes (Cod. 1047897)
2009-2012	II Faculty of Medicine, University Sapienza	Techniques of Cardiovascular Pathophysiology and Cardiovascular Perfusion
2014-2021	University Sapienza	Lecturer at the Master: "Nursing Care in Cardiac Critical Care" Identifier: Sapienza 26155
2012-2021	University Sapienza	Lecturer at the Master: "Techniques in Echocardiography" Identifier: Sapienza 13511
2012-2015	PhD in Experimental Medicine (XXVII e XXVIII ciclo, curriculum B), University Sapienza	Thesis supervisor: <i>Atrial natriuretic peptide polymorphisms and adverse outcome in hypertrophic cardiomyopathy</i>
2015-2018	PhD in Experimental Medicine (XXX e XXXI ciclo, curriculum B), University Sapienza	Thesis supervisor: <i>QRS fragmentation, late potentials and T wave variability as electrical markers of cardiac remodeling in hypertrophic cardiomyopathy</i>

Scientific director of research fellowships

- 2022 Proc. n. 32/2022 - Rep. 150/2022 - Prot. 2185 del 20-12-2022
Imaging of arrhythmic substrates in structural heart diseases
- 2018 Proc. 32/18, University Sapienza
Models for risk stratification of arrhythmia in hypertrophic cardiomyopathy
- 2017 Proc. 10/17, University Sapienza
Non-invasive risk stratification of sudden cardiac death in non-ischemic cardiomyopathies
- 2013 Proc. 28/13, Projects under 40, University Sapienza
Modelling substrates of sudden death in heart failure using induced pluripotent stem cell-derived cardiomyocytes

Scientific director of post-doc fellowships

- 2021 Proc. 14/21, University Sapienza
Analysis of a cohort of patients with hypertrophic cardiomyopathy at high risk of sudden death
- 2018 Proc. 25/18, University Sapienza
Prognostic stratification of sudden death risk in patients with cardiomyopathies
- 2018 Proc. 26/18, University Sapienza
Arrhythmic risk stratification and the use of new technologies for the prevention of sudden cardiac death in young individuals

SCHOLARLY TALKS

Invited lectures and presentation of original contributions at International Congresses

- 14-6-2024 PLACE International Congress 2024. S-ICD in young patients and in athletes
- 4-12-2020 PROGRESS in Clinical Pacing 2019. *ICD choice in a secondary prevention patient*
- 23-11-2019 PLACE International Congress 2019. *Defibrillatore impiantabile nella cardiomiopatia ipertrofica: sottocutaneo o endocavitario? "That is the question"*
- 14-2-2019 XIII International Meeting Atrial Fibrillation and Heart Failure 2019. Bologna. *S-ICD therapy and HF or low EF: expanding indications?*
- 4-12-2018 PROGRESS in Clinical Pacing 2018, Rome. *Comparing currently available ILR devices: strengths and weakness.*
- 19-4-2018 Europrevent ESC Congress 2018, Lubiana. *Exercise prescription in patients with implantable devices.*
- 23-11-2017 PLACE Intern. Congress 2017. *S-ICD in hypertrophic cardiomyopathy and athletes*
- 30-22-2016 International Congress on Progress in Clinical Pacing. Rome, 2016. *"Missing Anti-tachycardia Pacing"*
- 20-11-2015 PLACE International Congress 2015. *Which patients are indicated for S-ICD?*
- 3-12-2014 International Congress on Progress in Clinical Pacing. Rome, 2014. *Suitability for Subcutaneous Defibrillator Implantation: data from routine clinical practice*
- 31-3-2012 Rome Cardiology Forum, a European Society of Cardiology Update Program in Cardiology. *New drugs for acute management of atrial fibrillation*
- 29-10-2010 Accademia Belgica, First Cardiology Joint Seminar. *Cardiac arrhythmias in the ischemic setting*
- 21-10-2010 GREAT - Global Research on Acute Conditions Team - international congress. Rome, 2010. *Acute Management of Atrial Fibrillation: 2010 Guidelines*
- 14-5-2010 Rome Cardiology Forum, an ESC Update Programme in Cardiology. Rome, 2010. *A Tricky Case of Syncope*

Presentation of original contributions at international congresses

- 17-5-2024 *Heart Rhythm Congress 2024, Boston (MA)*. Preserving active lifestyle: subcutaneous defibrillators in young patients engaged in recreational sports. Insights from a multicenter study
- 9-4-2024 *European Heart Rhythm Association 2024 Congress, Berlin*. Preserving active lifestyle: subcutaneous defibrillators in young patients engaged in recreational sports. Insights from a multicenter study
- 16-5-2023 *Heart Rhythm Congress 2023, New Orleans*. Title: Scar architecture as a structural biomarker of ventricular arrhythmias in patients with hypertrophic cardiomyopathy: a cardiac magnetic resonance study.
- 16-4- 2023 *European Heart Rhythm Association 2023 Congress, Barcelona*. Scar architecture determinants of ventricular arrhythmias in patients with hypertrophic cardiomyopathy: a cardiac magnetic resonance study
- 18-03-2019 *European Heart Rhythm Association 2019 Congress, Lisbon*. Predictors of acute effectiveness of the subcutaneous implantable cardioverter-defibrillator according to the implantation technique
- 14-05-2015 *Heart Rhythm Society congress. Boston, 2015*. Eligibility for the Subcutaneous ICD in Patients with Hypertrophic Cardiomyopathy
- 03-12-2008 *International Congress on Progress in Clinical Pacing. Rome, 2008*. Replacement of ACE-inhibitors With Low-Dose Angiotensin Receptor Blockers Worsens the Arrhythmic Profile in ICD Recipients with HF
- 15-10-2008 *American Heart Association congress 2008. Orlando, FL, USA*. Baseline Atrial Natriuretic Peptide is the Best Predictor of Long-Term Survival in Chronic Heart Failure: a 15-Year Prospective Follow-Up Study

PUBLICATIONS

Full papers

1. Pierri, A., Albani, S., Merlo, M., Buongiorno, A.L., Ricotti, A., Grilli, G., Barbisan, D., Grossi, S., De Rosa, C., Mabritto, B., Luceri, S., Bongioanni, S., Negri, F., Burelli, M., Millesimo, M., Biondi, F., Cireddu, M., Berg, J., Musumeci, M.B., Di Donna, P., Vianello, P.F., Del Franco, A., Scaglione, M., Barbati, G., Urru, S., Berchiolla, P., De Ferrari, G.M., Russo, V., Agricola, E., Imazio, M., Porto, I., Canepa, M., Peretto, G., **Francia, P.**, Castagno, D., Autore, C., Olivotto, I., Gaita, F., Sinagra, G., Musumeci, G. Transcatheter Ablation of Atrial Fibrillation in Patients With Hypertrophic Cardiomyopathy: A Multicenter Propensity Score-Based Analysis(2024) *JACC: Advances*, 3 (5), art. no. 100899
2. Bianchi V, **Francia P**, Ricciardi G, et al. Viani S, Nigro G, Biffi M, De Filippo P, Ottaviano L, Migliore F, Vicentini A, Lovecchio M, Valsecchi S, D'Onofrio A, Palmisano P. Clinical practice and outcome of S-ICD replacement: Results from the multicenter RHYTHM DETECT registry. *Heart Rhythm*. 2024 10:S1547-5271(24)02366
3. Falasconi, G., Penela, D., Soto-Iglesias, D., **Francia, P.**, Saglietto, A., Turturiello, D., Viveros, D., Bellido, A., Alderete, J., Zaraket, F., Franco-Ocaña, P., Huguet, M., Cámara, Ó., Vătăşescu, R., Ortiz-Pérez, J.-T., Martí-Almor, J., Berruezo, A. Personalized pulmonary vein isolation with very high-power short-duration lesions guided by left atrial wall thickness: the QDOT-by-LAWT randomized trial. (2024) *Europace*, 26 (4), art. no. euae087.
4. Musumeci, B., Tini, G., Biagini, E., Merlo, M., Calore, C., Ammirati, E., Zampieri, M., Russo, D., Grilli, G., Santolamazza, C., Vio, R., Rubino, M., Ditaranto, R., Del Franco, A., Sormani, P., Parisi, V., Monda, E., **Francia, P.**, Cipriani, A., Limongelli, G., Sinagra, G., Olivotto, I., Boni, L., Autore, C. Clinical characteristics and outcome of end stage hypertrophic cardiomyopathy: Role of age and heart failure phenotypes. (2024) *International Journal of Cardiology*, 400, art. no. 131784.
5. **Francia, P.**, Falasconi, G., Penela, D., Viveros, D., Alderete, J., Saglietto, A., Bellido, A.F., Martí-Almor, J., Franco-Ocaña, P., Soto-Iglesias, D., Zaraket, F., Turturiello, D., Berruezo, A. Scar architecture affects the electrophysiological characteristics of induced ventricular arrhythmias in hypertrophic cardiomyopathy (2024) *Europace*, 26 (3), art. no. euae050.
6. Falasconi, G., Penela, D., Soto-Iglesias, D., **Francia, P.**, Saglietto, A., Alderete, J., Viveros, D., Bellido, A., Zaraket, F., Martí-Almor, J., Berruezo, A. Cardiac magnetic resonance-aided epicardial ventricular tachycardia ablation in post-myocarditis patient. (2024) *Journal of Interventional Cardiac Electrophysiology*, 67 (2), pp. 249-251.

7. Bianchi, V., **Francia, P.**, Ricciardi, G., Viani, S., Nigro, G., Biffi, M., De Filippo, P., Ottaviano, L., Migliore, F., Vicentini, A., Lovecchio, M., Valsecchi, S., D'Onofrio, A., Palmisano, P., S-ICD Rhythm Detect Investigators. Clinical practice and outcome of S-ICD replacement: Results from the multicenter RHYTHM DETECT registry (2024) *Heart Rhythm*.
8. Russo, V., Caturano, A., Migliore, F., Guerra, F., **Francia, P.**, Nesti, M., Conte, G., Perini, A.P., Mascia, G., Albani, S., Marchese, P., Santobuono, V.E., Dendramis, G., Rossi, A., Attena, E., Ghidini, A.O., Sciarra, L., Palamà, Z., Baldi, E., Romeo, E., D'Onofrio, A., Nigro, G., Notarstefano, P., Adducci, C., Franchetti, L.P., Berlier, N., Sarubbi, B., Sasso, F.C., Golino, P., Vicentini, A., Barca, L., Porto, I., Martini, N., Carrozzi, C., Tola, G., Floris, R., IBRYD Study Group. Long-term clinical outcomes of patients with drug-induced type 1 Brugada electrocardiographic pattern: A nationwide cohort registry study (2024) *Heart Rhythm*.
9. Saglietto, A., Falasconi, G., Soto-Iglesias, D., **Francia, P.**, Penela, D., Alderete, J., Viveros, D., Bellido, A.F., Franco-Ocaña, P., Zaraket, F., Turturiello, D., Martí-Almor, J., Berruezo, A. Assessing left atrial intramyocardial fat infiltration from computerized tomography angiography in patients with atrial fibrillation (2023) *Europace*, 25 (12), art. no. euad35.
10. Penela, D., Falasconi, G., Carreño, J.M., Soto-Iglesias, D., Fernández-Armenta, J., Acosta, J., Martí-Almor, J., Benito, B., Bellido, A., Chauca, A., Scherer, C., Viveros, D., Alderete, J., Silva, E., Ordoñez, A., Francisco-Pascual, J., Rivas-Gandara, N., Meca-Santamaria, J., Franco, P., De Lucia, C., Ali, H., Cappato, R., Cámara, O., **Francia, P.**, Berruezo, A. A hybrid clinical and electrocardiographic score to predict the origin of outflow tract ventricular arrhythmias (2023) *Journal of Interventional Cardiac Electrophysiology*, 66 (8), pp. 1877-1888.
11. **Francia, P.**, Ocaña-Franco, P., Cristiano, E., Falasconi, G., Adduci, C., Soto-Iglesias, D., Penela, D., Sclafani, M., Martí-Almor, J., Musumeci, B., Autore, C., Berruezo, A. Substrates of Scar-Related Ventricular Arrhythmia in Patients With Hypertrophic Cardiomyopathy: A Cardiac Magnetic Resonance Study. (2023) *JACC: Cardiovascular Imaging*, 16 (10), pp. 1359-1362.
12. Migliore, F., Biffi, M., Viani, S., Pittorru, R., **Francia, P.**, Pieragnoli, P., De Filippo, P., Bisignani, G., Nigro, G., Dello Russo, A., Pisanò, E., Palmisano, P., Rapacciuolo, A., Silvetti, M.S., Lavallo, C., Curcio, A., Rordorf, R., Lovecchio, M., Valsecchi, S., D'Onofrio, A., Botto, G.L. Modern subcutaneous implantable defibrillator therapy in patients with cardiomyopathies and channelopathies: Data from a large multicentre registry. (2023) *Europace*, 25 (9), art. no. euad239.
13. **Francia, P.**, Viveros, D., Falasconi, G., Penela, D., Soto-Iglesias, D., Martí-Almor, J., Alderete, J., Saglietto, A., Bellido, A.F., Franco-Ocaña, P., Zaraket, F., Matiello, M., Fernández-Armenta, J., San Antonio, R., Berruezo, A. Clinical impact of aging on outcomes of cardioneuroablation for reflex syncope or functional bradycardia: Results from the

cardionEuroabLation: patiEnt selection, imaGe integrAtioN and outComEs—The ELEGANCE multicenter study. (2023) *Heart Rhythm*, 20 (9), pp. 1279-1286.

14. Saglietto, A., Falasconi, G., Penela, D., **Francia, P.**, Soto-Iglesias, D., Martí-Almor, J., Berruezo, A. Cardiac magnetic resonance–aided ventricular tachycardia substrate ablation in corrected tetralogy of Fallot. (2023) *Journal of Interventional Cardiac Electrophysiology*, 66 (6), pp. 1317-1319.

15. **Francia, P.**, Ziacchi, M., Adduci, C., Ammendola, E., Pieragnoli, P., De Filippo, P., Rapacciuolo, A., Rella, V., Migliore, F., Viani, S., Musumeci, M.B., Biagini, E., Lovecchio, M., Baldini, R., Falasconi, G., Autore, C., Biffi, M., Cecchi, F. Clinical course of hypertrophic cardiomyopathy patients implanted with a transvenous or subcutaneous defibrillator (2023) *Europace* 25 (9).

16. **Francia, P.**, Viveros, D., Falasconi, G., Soto-Iglesias, D., Fernández-Armenta, J., Penela, D., Berruezo, A. Computed tomography-based identification of ganglionated plexi to guide cardioneuroablation for vasovagal syncope. (2023) *Europace*, 25 (6), art. no. eoad170.

17. De Filippo, P., Migliore, F., Palmisano, P., Nigro, G., Ziacchi, M., Rordorf, R., Pieragnoli, P., Di Grazia, A., Ottaviano, L., **Francia, P.**, Pisanò, E., Tola, G., Giammaria, M., D'Onofrio, A., Botto, G.L., Zucchelli, G., Ferrari, P., Lovecchio, M., Valsecchi, S., Viani, S., on behalf of 'S-ICD Rhythm Detec Investigators. Procedure, management, and outcome of subcutaneous implantable cardioverter–defibrillator extraction in clinical practice. (2023) *Europace*, 25 (6), art. no. eoad158.

18. Quartieri, F., Harish, M., Calò, L., Ebrahim, I., Fusco, A., Mester, S., Cauti, F., Park, S.-J., **Francia, P.**, Giovagnoni, M., Adragao, P., Vezi, B., Lin, W., Hutson, C.S., Grammatico, A. New insertable cardiac monitors show high diagnostic yield and good safety profile in real-world clinical practice: results from the international prospective observational SMART Registry. (2023) *Europace*, 25 (5)

19. Falasconi, G., Penela, D., Soto-Iglesias, D., **Francia, P.**, Teres, C., Saglietto, A., Jauregui, B., Viveros, D., Bellido, A., Alderete, J., Meca-Santamaria, J., Franco, P., Gaspardone, C., Antonio, R.S., Huguet, M., Cámara, Ó., Ortiz-Pérez, J.-T., Martí-Almor, J., Berruezo, A. Personalized pulmonary vein antrum isolation guided by left atrial wall thickness for persistent atrial fibrillation (2023). *Europace*, 25 (5).

20. Rordorf, R., Viani, S., Biffi, M., Pieragnoli, P., Migliore, F., D'Onofrio, A., Nigro, G., **Francia, P.**, Ferrari, P., Dello Russo, A., Bisignani, A., Ottaviano, L., Palmisano, P., Caravati, F., Pisanò, E., Pani, A., Botto, G.L., Lovecchio, M., Valsecchi, S., Vicentini, A., behalf of 'S-ICD Rhythm Detect' Investigators. Reduction in inappropriate therapies through device programming in subcutaneous implantable defibrillator patients: data from clinical practice. (2023) *Europace*, 25 (5), art.

21. Russo, V., Caturano, A., Guerra, F., Migliore, F., Mascia, G., Rossi, A., Nesti, M., Santobuono, V.E., Attena, E., Tola, G., Sciarra, L., Conte, G., Paoletti Perini, A., **Francia, P.**, Dendramis, G., Palamà, Z., Albani, S., Ottonelli Ghidini, A., Calò, L., D'Onofrio, A., Baldi, E., Nigro, G., Sasso, F.C., Barca, L., Porto, I., Notarstefano, P., Ruocco, M.A., Franchetti Pardo, L., Adducci, C., Berlier, N., Sarubbi, B., Vicentini, A., Floris, R., Romeo, E., Golino, P., IBRYD Study Group. Subcutaneous versus transvenous implantable cardioverter-defibrillator among drug-induced type-1 ECG pattern Brugada syndrome: a propensity score matching analysis from IBRYD study. (2023) *Heart and Vessels*, 38 (5), pp. 680-688.
22. Botto, G.L., Ziacchi, M., Nigro, G., D'Onofrio, A., Dello Russo, A., **Francia, P.**, et al. 'S-ICD Rhythm Detect' Investigators. Intermuscular technique for implantation of the subcutaneous implantable defibrillator: a propensity-matched case-control study. (2023) *Europace*, 25 (4), pp. 1423-1431.
23. **Francia, P.**, Viveros, D., Falasconi, G., Alderete, J., Soto-Iglesias, D., Penela, D., Berruezo, A. Cardioneuroablation for carotid sinus syndrome: a case series. (2023) *Heart Rhythm*, 20 (4), pp. 640-641.
24. Ali, H., De Lucia, C., Cristiano, E., Lupo, P., Foresti, S., De Ambroggi, G., Turturiello, D., Paganini, E.M., Bessi, R., Farghaly, A.A.A., **Francia, P.**, Cappato, R. A Single-lead ECG algorithm to differentiate right from left manifest accessory pathways: A reappraisal of the P-Delta interval. (2023) *Journal of Cardiovascular Electrophysiology*, 34 (3), pp. 598-606.
25. Petroni, A., Cuomo, F., Scarano, G., **Francia, P.**, Pediconi, M., Colonnese, S. MUSE: MUlti-lead Sub-beat ECG for remote AI based atrial fibrillation detection. (2023) *Journal of Network and Computer Applications*, 212, art. no. 103544.
26. Penela, D., Chauca, A., Fernández-Armenta, J., Pavón, R., Benito, B., Acosta, J., Lozano, J.M., Falasconi, G., San Antonio, R., Soto-Iglesias, D., Martí-Almor, J., Ordoñez, A., Bellido, A., Carreño, J.M., Matiello, M., Cano, L., Pedrote, A., Viveros, D., Alderete, J., **Francia, P.**, Algarra-Cullell, M., Silva, E., Meca-Santamaria, J., Franco, P., Cappato, R., Berruezo, A. Outcomes of cavotricuspid isthmus-dependent flutter ablation: randomized study comparing single vs. multiple catheter procedures—the SIMPLE study. (2023) *Journal of Interventional Cardiac Electrophysiology*.
27. Falasconi, G., Penela, D., Soto-Iglesias, D., **Francia, P.**, Teres, C., Viveros, D., Bellido, A., Alderete, J., Meca-Santamaria, J., Franco, P., Ordoñez, A., Díaz-Escofet, M., Matiello, M., Maldonado, G., Scherer, C., Huguet, M., Cámara, Ó., Ortiz-Pérez, J.-T., Martí-Almor, J., Berruezo, A. Preventive substrate ablation in chronic post-myocardial infarction patients with high-risk scar characteristics for ventricular arrhythmias: rationale and design of PREVENT-VT study. (2023) *Journal of Interventional Cardiac Electrophysiology*, 66 (1), pp. 39-47.

28. **Francia, P.**, Silveti, G., Cosentino, P., Cristiano, E., Adduci, C., Tini, G., Musumeci, M.B., Volpe, M., Autore, C. Relation of delayed intrinsicoid deflection of the QRS complex to sudden cardiac death in patients with hypertrophic cardiomyopathy. (2022) *International Journal of Cardiology*, 366, pp. 42-47.
29. **Francia, P.**, Olivotto, I., Lambiase, P.D., Autore, C. Implantable cardioverter-defibrillators for hypertrophic cardiomyopathy: The Times They Are a-Changin'. (2022) *Europace*. 24 (9), pp. 1384-1394.
30. Viani, S., Migliore, F., Ottaviano, L., Biffi, M., Ammendola, E., Ricciardi, G., **Francia, P.**, D'Onofrio, A., Bisignani, G., Russo, A.D., De Filippo, P., Solimene, F., Scalone, A., Caravati, F., Rordorf, R., Calvi, V.I., Botto, G.L., Bongiorno, M.G., S-ICD Rhythm Detect Investigators. Longevity of model 3501 subcutaneous implantable cardioverter-defibrillator leads in clinical practice. (2022) *Heart Rhythm*, 19 (7), pp. 1206-1207.
31. Russo, D., Sclafani, M., Tini, G., Musumeci, M.B., Arcari, L., Limite, L.R., **Francia, P.**, Autore, C. Prognostic implications of different clinical profiles in hypertrophic cardiomyopathy (2022). *Minerva Cardiology and Angiology*, 70 (2), pp. 189-206.
32. Migliore, F., Viani, S., Ziacchi, M., Ottaviano, L., **Francia, P.**, Bianchi, V., De Bonis, S., De Filippo, P., Tola, G., Vicentini, A., Taravelli, E., Calvi, V.I., Lovecchio, M., Valsecchi, S., Botto, G.L. The "Defibrillation Testing, Why Not?" survey. Testing of subcutaneous and transvenous defibrillators in the Italian clinical practice. (2022) *IJC Heart and Vasculature*, 38, art. no. 100952.
33. Pelliccia, A., Borrazzo, C., Caselli, S., Lemme, E., Musumeci, M.B., Maestrini, V., **Francia, P.**, Russo, D., Pelliccia, M., Olivotto, I., Autore, C. Neither Athletic Training nor Detraining Affects LV Hypertrophy in Adult, Low-Risk Patients With HCM. (2022) *JACC: Cardiovascular Imaging*, 15 (1), pp. 170-171.
34. Vicentini, A., Bisignani, G., De Vivo, S., Viani, S., Savarese, G., **Francia, P.**, Celentano, E., Checchi, L., Carreras, G., Santini, L., Lamberti, F., Ottaviano, L., Scalone, A., Giorgi, D., Lovecchio, M., Valsecchi, S., Rordorf, R., □S-ICD Rhythm Detect Investigators. Patient acceptance of subcutaneous versus transvenous defibrillator systems: A multi-center experience. (2022) *Journal of Cardiovascular Electrophysiology*, 33 (1), pp. 81-89.
35. Bianchi, V., Bisignani, G., Migliore, F., Biffi, M., Nigro, G., Viani, S., Caravati, F., Checchi, L., **Francia, P.**, De Filippo, P., Pecora, D., Lavallo, C., Scalone, A., Rossi, P., Palmisano, P., Licciardello, G., Ospizio, R., Lovecchio, M., Valsecchi, S., D'Onofrio, A. Safety of Omitting Defibrillation Efficacy Testing With Subcutaneous Defibrillators: A Propensity-Matched Case-Control Study. (2021) *Circulation: Arrhythmia and Electrophysiology*, 14 (12), p. E010381.
36. Muscogiuri E, Di Girolamo M, Adduci C, **Francia P**, Laghi A. Multi-Modality Imaging Approach in a Challenging Case of Surgically Corrected Partial Anomalous Pulmonary Venous

Return and Atrial Tachycardia Treated With Radiofrequency Ablation. *Cureus*. 2021 Jan 30;13(1):e13009. doi: 10.7759/cureus.13009.

37. **Francia, P.**, Adduci, C., Angeletti, A., Ottaviano, L., Perrotta, L., De Vivo, S., Bongiorno, M.G., Migliore, F., Russo, A.D., De Filippo, P., Caravati, F., Nigro, G., Palmisano, P., Viani, S., D'Onofrio, A., Lovecchio, M., Valsecchi, S., Ziacchi, M. Acute shock efficacy of the subcutaneous implantable cardioverter-defibrillator according to the implantation technique. (2021) *Journal of Cardiovascular Electrophysiology*, 32 (6), pp. 1695-1703.
38. Karch, S.B., Fineschi, V., **Francia, P.**, Scopetti, M., Padovano, M., Manetti, F., Santurro, A., Frati, P., Volpe, M. Role of Induced Pluripotent Stem Cells in Diagnostic Cardiology. (2021) *World Journal of Stem Cells*, 13 (5), pp. 331-341.
39. Musumeci, B., Tini, G., Russo, D., Sclafani, M., Cava, F., Tropea, A., Adduci, C., Palano, F., **Francia, P.**, Autore, C. Left ventricular remodeling in hypertrophic cardiomyopathy: An overview of current knowledge. (2021) *Journal of Clinical Medicine*, 10 (8), art. no. 1547.
40. Musumeci, M.B., Spirito, P., Conte, M.R., Lillo, R., Devoto, E., **Francia, P.**, Russo, D., Volpe, M., Boni, L., Autore, C. Clinical Course of Pregnancy and Long-Term Follow-Up After Delivery in Hypertrophic Cardiomyopathy. (2021) *Journal of the American College of Cardiology*, 77 (9), pp. 1262-1264.
41. Arcari, L., Limite, L.R., Adduci, C., Sclafani, M., Tini, G., Palano, F., Cosentino, P., Cristiano, E., Cacciotti, L., Russo, D., Rubattu, S., Volpe, M., Autore, C., Musumeci, M.B., **Francia, P.** Novel Imaging and Genetic Risk Markers in Takotsubo Syndrome. (2021) *Frontiers in Cardiovascular Medicine*, 8, art. no. 703418.
42. Petroni, A., Cuomo, F., Scarano, G., **Francia, P.**, Colonnese, S. Atrial Fibrillation Detection by Multi-Lead ECG Processing at the Edge (2021). 2021 IEEE Globecom Workshops, GC Wkshps 2021 - Proceedings.
43. **Francia, P.**, Biffi, M., Adduci, C., Ottaviano, L., Migliore, F., de Bonis, S., Russo, A.D., de Filippo, P., Viani, S., Bongiorno, M.G., Caravati, F., Lavallo, C., Landolina, M.E., Pisanò, E., Giorgi, D., Lovecchio, M., Valsecchi, S., Diemberger, I., 'S-ICD Rhythm Detect' Investigators. Implantation technique and optimal subcutaneous defibrillator chest position: A PRAETORIAN score-based study. (2020) *Europace*, 22 (12), pp. 1822-1829.
44. Palano, F., Adduci, C., Cosentino, P., Silvetti, G., Boldini, F., **Francia, P.** Assessing Atrial Fibrillation Substrates by P Wave Analysis: A Comprehensive Review (2020). *High Blood Pressure and Cardiovascular Prevention*, 27 (5), pp. 341-347.
45. Adduci, C., Palano, F., Silvetti, G., Cosentino, P., **Francia, P.** Prevention of Sudden Cardiac Death: Focus on the Subcutaneous Implantable Cardioverter-Defibrillator (2020) *High Blood Pressure and Cardiovascular Prevention*, 27 (4), pp. 291-297. Adduci, C., Boldini, F., Palano, F.,

- Musumeci, B., De Lucia, C., Russo, D., Volpe, M., Autore, C., **Francia, P.** Prognostic implications of nonsustained ventricular tachycardia morphology in high-risk patients with hypertrophic cardiomyopathy (2020) *Journal of Cardiovascular Electrophysiology*, 31 (8), pp. 2093-2098.
46. Diemberger, I., Migliore, F., Ricciardi, G., Ottaviano, L., Tavoletta, V., **Francia, P.**, Viani, S., Capucci, A., de Filippo, P., Nigro, G., Caravati, F., Palmisano, P., Ziacchi, M., Lovecchio, M., Valsecchi, S., Bongiorno, M.G., Biffi, M., S-ICD Rhythm Detect Investigators. Time to therapy delivery and effectiveness of the subcutaneous implantable cardioverter-defibrillator. (2019) *Heart Rhythm*, 16 (10), pp. 1531-1537.
47. Adduci, C., Ali, H., **Francia, P.**, Mantovani, R., Palano, F., Lupo, P., Foresti, S., De Ambroggi, G., Cappato, R. The subcutaneous implantable cardioverter-defibrillator: Current trends in clinical practice between guidelines and technology progress. (2019) *European Journal of Internal Medicine*, 65, pp. 6-11.
48. Adduci, C., Semprini, L., Palano, F., Musumeci, M.B., Volpe, M., Autore, C., **Francia, P.** Safety and efficacy of anti-tachycardia pacing in patients with hypertrophic cardiomyopathy implanted with an ICD. (2019) *PACE - Pacing and Clinical Electrophysiology*, 42 (6), pp. 610-616.
49. Migliore, F., Viani, S., Bongiorno, M.G., Zorzi, A., Silvetti, M.S., **Francia, P.**, D'Onofrio, A., De Franceschi, P., Sala, S., Donzelli, S., Ricciardi, G., Menardi, E., Giammaria, M., La Greca, C., Bauce, B., Rigato, I., Iliceto, S., Bertaglia, E., Diemberger, I., Corrado, D. Subcutaneous implantable cardioverter defibrillator in patients with arrhythmogenic right ventricular cardiomyopathy: Results from an Italian multicenter registry. (2019) *International Journal of Cardiology*, 280, pp. 74-79.
50. Migliore, F., Mattesi, G., Zorzi, A., Viani, S., Bongiorno, M.G., **Francia, P.**, Curcio, A., Diemberger, I., Bertaglia, E. The subcutaneous implantable cardioverter-defibrillator in clinical practice [Il defibrillatore sottocutaneo nella pratica clinica]. (2019) *Giornale Italiano di Cardiologia*, 20 (11), pp. 641-650.
51. Adduci, C., Spadoni, L., Palano, F., **Francia, P.** Ventricular fibrillation undersensing due to air entrapment in a patient implanted with a subcutaneous cardioverter defibrillator (2019). *Journal of Cardiovascular Electrophysiology*, 30 (8), pp. 1373-1374.
52. Musumeci, M.B., Russo, D., Limite, L.R., Canepa, M., Tini, G., Casenghi, M., **Francia, P.**, Adduci, C., Pagannone, E., Magri, D., Volpe, M., Autore, C. Long-Term Left Ventricular Remodeling of Patients With Hypertrophic Cardiomyopathy. (2018) *American Journal of Cardiology*, 122 (11), pp. 1924-1931.
53. D'Onofrio, A., Pieragnoli, P., Biffi, M., Nigro, G., Migliore, F., **Francia, P.**, De Filippo, P., Capucci, A., Botto, G.L., Giammaria, M., Palmisano, P., Pisanò, E., Bisignani, G., La Greca, C.,

- Sarubbi, B., Sala, S., Viscusi, M., Landolina, M., Lovecchio, M., Valsecchi, S., Bongiorno, M.G., S-ICD Rhythm Detect Investigators. Subcutaneous implantable cardioverter defibrillator implantation: An analysis of Italian clinical practice and its evolution. (2018) *International Journal of Cardiology*, 272, pp. 162-167.
54. **Francia, P.**, Ziacchi, M., De Filippo, P., Viani, S., D'Onofrio, A., Russo, V., Adduci, C., Biffi, M., Ferrari, P., Bianchi, V., Ammendola, E., Palano, F., Frisoni, J., Valsecchi, S., Lovecchio, M., Bongiorno, M.G. Subcutaneous implantable cardioverter defibrillator eligibility according to a novel automated screening tool and agreement with the standard manual electrocardiographic morphology tool. (2018) *Journal of Interventional Cardiac Electrophysiology*, 52 (1), pp. 61-67.
55. Maron, B.J., Casey, S.A., Olivotto, I., Sherrid, M.V., Semsarian, C., Autore, C., Ahmed, A., Boriani, G., **Francia, P.**, Winters, S.L., Giudici, M., Koulova, A., Garberich, R., Rowin, E.J., Sears, S.F., Maron, M.S., Spirito, P. Clinical Course and Quality of Life in High-Risk Patients with Hypertrophic Cardiomyopathy and Implantable Cardioverter-Defibrillators. (2018) *Circulation: Arrhythmia and Electrophysiology*, 11 (4), art. no. e005820.
56. **Francia, P.**, Adduci, C., Musumeci, B., Semprini, L., Palano, F., Zezza, L., Volpe, M., Autore, C. Autonomic cardiovascular control and cardiac arrhythmia in two pregnant women with hypertrophic cardiomyopathy: Insights from ICD monitoring. (2018) *Revista Portuguesa de Cardiologia*, 37 (4), pp. 351.e1-351.e4.
57. Adduci, C., Palano, F., **Francia, P.** Safety, efficacy and evidence base for use of the subcutaneous implantable cardioverter defibrillator. (2018) *Journal of Clinical Medicine*, 7 (3), art. no. 53, .
58. Migliore, F., Pelliccia, F., Autore, C., Bertaglia, E., Cecchi, F., Curcio, A., Bontempi, L., Curnis, A., De Filippo, P., D'Onofrio, A., **Francia, P.**, Maurizi, N., Musumeci, B., Proclemer, A., Zorzi, A., Corrado, D. Subcutaneous implantable cardioverter defibrillator in cardiomyopathies and channelopathies. (2018) *Journal of Cardiovascular Medicine*, 19 (11), pp. 633-642.
59. Diemberger, I., Marazzi, R., Casella, M., Vassanelli, F., Galimberti, P., Luzi, M., Borrelli, A., Soldati, E., Golzio, P.G., Fumagalli, S., **Francia, P.**, Padeletti, L., Botto, G., Boriani, G. The effects of gender on electrical therapies for the heart: Procedural considerations, results and complications. (2017) *Europace*, 19 (12), pp. 1911-1921.
60. Musumeci, M.B., Mastromarino, V., Casenghi, M., Tini, G., **Francia, P.**, Maruotti, A., Romaniello, A., Magrì, D., Lillo, R., Adduci, C., Volpe, M., Autore, C. Pulmonary hypertension and clinical correlates in hypertrophic cardiomyopathy. (2017) *International Journal of Cardiology*, 248, pp. 326-332.
61. **Francia, P.**, Adduci, C., Semprini, L., Palano, F., Santini, D., Musumeci, B., Santolamazza, C., Volpe, M., Autore, C. Prognostic Implications of Defibrillation Threshold Testing in Patients

- With Hypertrophic Cardiomyopathy. (2017) *Journal of Cardiovascular Electrophysiology*, 28 (1), pp. 103-108.
62. Tocci, G., Giuliani, M., Canichella, F., Timpano, J., Presta, V., **Francia, P.**, Musumeci, M.B., Fubelli, F., Pozzilli, C., Volpe, M., Ferrucci, A. Tp–Te interval predicts heart rate reduction after fingolimod administration in patients with multiple sclerosis. (2016) *International Journal of Cardiology*, 221, pp. 881-885.
63. Rubattu, S., Bozzao, C., Pennacchini, E., Pagannone, E., Musumeci, B., Piane, M., Germani, A., Savio, C., **Francia, P.**, Volpe, M., Autore, C., Chessa, L. A next-generation sequencing approach to identify gene mutations in early- and late-onset hypertrophic cardiomyopathy patients of an Italian cohort. (2016) *International Journal of Molecular Sciences*, 17 (8), art. no. 1239, .
64. Conti, E., Musumeci, M.B., Desideri, J.P., Ventura, M., Fusco, D., Zezza, L., De Giusti, M., Berni, A., **Francia, P.**, Volpe, M., Autore, C. Outcomes of early invasive treatment strategy in elderly patients with non-ST elevation acute coronary syndromes. (2016) *Journal of Cardiovascular Medicine*, 17 (10), pp. 736-743.
65. Pennacchini, E., Musumeci, M.B., Conte, M.R., Stöllberger, C., Formisano, F., Bongioanni, S., **Francia, P.**, Volpe, M., Autore, C. Electrocardiographic evolution in patients with hypertrophic cardiomyopathy who develop a left ventricular apical aneurysm. (2015) *Journal of Electrocardiology*, 48 (5), pp. 818-825.
66. **Francia, P.**, Adduci, C., Palano, F., Semprini, L., Serdoz, A., Montesanti, D., Santini, D., Musumeci, B., Salvati, A., Volpe, M., Autore, C. Eligibility for the subcutaneous implantable cardioverter-defibrillator in patients with hypertrophic cardiomyopathy. (2015) *Journal of Cardiovascular Electrophysiology*, 26 (8), pp. 893-899.
67. Tocci, G., Cicero, A.F., Salvetti, M., **Francia, P.**, Ferrucci, A., Borghi, C., Volpe, M. Attitudes and preferences for the clinical management of hypertension and hypertension-related cardiac disease in general practice: Results of the Italian Hypertension and Heart Survey. (2015) *Journal of Human Hypertension*, 29 (7), pp. 409-416.
68. Volpe, M., **Francia, P.** Synergistic effects of cardiac resynchronization therapy and drug up-titration in heart failure: Is this enough? (2015) *European Heart Journal - Cardiovascular Pharmacotherapy*, 1 (3), pp. 189-190.
69. Ferrucci, A., Canichella, F., Battistoni, A., Palano, F., **Francia, P.**, Ciavarella, G.M., Volpe, M., Tocci, G. A Novel Electrocardiographic T-Wave Measurement (Tp–Te Interval) as a Predictor of Heart Abnormalities in Hypertension: A New Opportunity for First-Line Electrocardiographic Evaluation. (2015) *Journal of Clinical Hypertension*, 17 (6), pp. 441-449.

70. **Francia, P.**, Adduci, C., Semprini, L., Stanzione, R., Serdoz, A., Caprinozzi, M., Santini, D., Cotugno, M., Palano, F., Musumeci, M.B., Rubattu, S., Volpe, M. RyR2 common gene variant G1886S and the risk of ventricular arrhythmias in ICD patients with heart failure. (2015) *Journal of Cardiovascular Electrophysiology*, 26 (6), pp. 656-661.
71. Tocci, G., Battistoni, A., Passerini, J., Musumeci, M.B., **Francia, P.**, Ferrucci, A., Volpe, M. Calcium channel blockers and hypertension. (2015) *Journal of Cardiovascular Pharmacology and Therapeutics*, 20 (2), pp. 121-130.
72. **Francia, P.**, Ricotta, A., Balla, C., Adduci, C., Semprini, L., Frattari, A., Modestino, A., Mercanti, F., Sensini, I., Caprinozzi, M., Tocci, G., Volpe, M. P-wave duration in lead aVR and the risk of Atrial fibrillation in Hypertension. (2015) *Annals of Noninvasive Electrocardiology*, 20 (2), pp. 167-174.
73. Pennacchini, E., Musumeci, M.B., Fierro, S., **Francia, P.**, Autore, C. Distinguishing Hypertension From Hypertrophic Cardiomyopathy as a Cause of Left Ventricular Hypertrophy. (2015) *Journal of Clinical Hypertension*, 17 (3), pp. 239-241.
74. Tocci, G., Battistoni, A., D'Agostino, M., Palano, F., Passerini, J., **Francia, P.**, Ferrucci, A., Volpe, M. Impact of hypertension on global cardiovascular risk stratification: Analysis of a large cohort of outpatient population in Italy. (2015) *Clinical Cardiology*, 38 (1), pp. 39-47.
75. **Francia, P.**, Santini, D., Musumeci, B., Semprini, L., Adduci, C., Pagannone, E., Proietti, G., Volpe, M., Autore, C. Clinical impact of nonsustained ventricular tachycardia recorded by the implantable cardioverter-defibrillator in patients with hypertrophic cardiomyopathy. (2014) *Journal of Cardiovascular Electrophysiology*, 25 (11), pp. 1180-1187.
76. **Francia, P.**, Adduci, C., Semprini, L., Borro, M., Ricotta, A., Sensini, I., Santini, D., Caprinozzi, M., Balla, C., Simmaco, M., Volpe, M. Osteopontin and galectin-3 predict the risk of ventricular tachycardia and fibrillation in heart failure patients with implantable defibrillators. (2014) *Journal of Cardiovascular Electrophysiology*, 25 (6), pp. 609-616.
77. **Francia, P.**, Adduci, C., Ricotta, A., Stanzione, R., Sensini, I., Uccellini, A., Frattari, A., Balla, C., Cotugno, M., Cappato, R., Rubattu, S., Volpe, M. Common genetic variants in selected Ca²⁺ signaling genes and the risk of appropriate ICD interventions in patients with heart failure. (2013) *Journal of Interventional Cardiac Electrophysiology*, 38 (3), pp. 169-177.
78. **Francia, P.**, Adduci, C., Santini, D., Musumeci, B., Tocci, G. New oral anticoagulants in non-valvular atrial fibrillation. (2013) *High Blood Pressure and Cardiovascular Prevention*, 20 (2), pp. 53-60.
79. **Francia, P.**, Ricotta, A., Frattari, A., Stanzione, R., Modestino, A., Mercanti, F., Adduci, C., Sensini, I., Cotugno, M., Balla, C., Rubattu, S., Volpe, M. Atrial natriuretic peptide single

nucleotide polymorphisms in patients with nonfamilial structural atrial fibrillation. (2013) *Clinical Medicine Insights: Cardiology*, 7, pp. 153-159.

80. Mariani, S., Musumeci, B., Basciani, S., Fiore, D., **Francia, P.**, Persichetti, A., Volpe, M., Autore, C., Moretti, C., Ulisse, S., Gnassi, L. Lack of influence of the androgen receptor gene CAG-Repeat polymorphism on clinical and electrocardiographic manifestations of the brugada syndrome in man. (2012) *Clinical Medicine Insights: Cardiology*, 6, pp. 145-152.

81. **Francia, P.**, Balla, C., Ricotta, A., Uccellini, A., Frattari, A., Modestino, A., Borro, M., Simmaco, M., Salvati, A., De Biase, L., Volpe, M. Plasma osteopontin reveals left ventricular reverse remodelling following cardiac resynchronization therapy in heart failure. (2011) *International Journal of Cardiology*, 153 (3), pp. 306-310.

82. **Francia, P.**, Cappato, R. Adverse events of implantable defibrillators: A "clinical cost" too high for primary prophylaxis of sudden death? The "clinical cost" of implantable defibrillators in primary prophylaxis should not limit its use. (2011) *Giornale Italiano di Cardiologia*, 12 (5), pp. 379-382.

83. Camici, G.G., Shi, Y., Cosentino, F., **Francia, P.**, Lüscher, T.F. Anti-aging medicine: Molecular basis for endothelial cell-targeted strategies - A mini-review. (2011) *Gerontology*, 57 (2), pp. 101-108.

84. **Francia, P.**, Balla, C., Uccellini, A., Ricotta, A., Modestino, A., Frattari, A., Salvati, A., Volpe, M. Low-dose angiotensin receptor blockers as an alternative to ACE-inhibitors increase the risk of appropriate ICD interventions in heart failure. (2010) *International Journal of Cardiology*, 145 (3), pp. 522-524.

85. Volpe, M., **Francia, P.**, Tocci, G., Rubattu, S., Cangianiello, S., Elena Rao, M.A., Trimarco, B., Condorelli, M. Prediction of long-term survival in chronic heart failure by multiple biomarker assessment: A 15-year prospective follow-up study. (2010) *Clinical Cardiology*, 33 (11), pp. 700-707.

86. **Francia, P.**, Uccellini, A., Frattari, A., Modestino, A., Ricotta, A., Balla, C., Scialla, L., Volpe, M. Extracellular matrix remodelling in myocardial hypertrophy and failure: focus on osteopontin (2009). *High Blood Pressure and Cardiovascular Prevention*, 16 (4), pp. 195-199.

87. **Francia, P.**, Balla, C., Uccellini, A., Cappato, R. Arrhythmia detection in single- and dual-chamber implantable cardioverter defibrillators: The more leads, the better? (2009) *Journal of Cardiovascular Electrophysiology*, 20 (9), pp. 1077-1082.

88. **Francia, P.**, Cosentino, F., Schiavoni, M., Huang, Y., Perna, E., Camici, G.G., Lüscher, T.F., Volpe, M. p66Shc protein, oxidative stress, and cardiovascular complications of diabetes: The missing link. (2009) *Journal of Molecular Medicine*, 87 (9), pp. 885-891.

89. **Francia, P.**, Pittalis, M.C., Ali, H., Cappato, R. Electrophysiological study and catheter ablation of a Mahaim fibre located at the mitral annulus-aorta junction. (2008) *Journal of Interventional Cardiac Electrophysiology*, 23 (2), pp. 153-157.
90. **Francia, P.**, Ricotta, A., Cosentino, F., Volpe, M. Vascular senescence at the crossroad between oxidative stress and nitric oxide pathways: Disclosing the secret of dorian gray. (2008) *High Blood Pressure and Cardiovascular Prevention*, 15 (1), pp. 17-22.
91. Furlanello, F., Lupo, P., Pittalis, M., Foresti, S., Vitali-Serdoz, L., **Francia, P.**, De Ambroggi, G., Ferrero, P., Nardi, S., Inama, G., De Ambroggi, L., Cappato, R. Radiofrequency catheter ablation of atrial fibrillation in athletes referred for disabling symptoms preventing usual training schedule and sport competition. (2008) *Journal of Cardiovascular Electrophysiology*, 19 (5), pp. 457-462.
92. Cosentino, F., **Francia, P.**, Camici, G.G., Pelicci, P.G., Lüscher, T.F. Final common molecular pathways of aging and cardiovascular disease: Role of the p66Shc protein. (2008) *Arteriosclerosis, Thrombosis, and Vascular Biology*, 28 (4), pp. 622-628.
93. De Ambroggi, L., **Francia, P.**, De Ambroggi, G. Repolarization abnormalities and arrhythmogenesis in hypertrophic myocardium. (2007) *Anadolu Kardiyoloji Dergisi*, 7 (SUPPL. 1), pp. 71-72.
94. Cugini, P., Curione, M., Castro, C., Napoli, A., **Francia, P.**, Colatrella, A., Di Bona, S., Cammarota, C., Cardarelli, G., Amato, S., Fallucca, F. The loss of entropy circadian rhythm in sinus R-R intervals of type 1 diabetic pregnant women suggests an indeterministic chaos in cardiac pacing (minimum delirium cordis syndrome). A newly identifiable type of silent cardiac dysautonomia?. (2007) *Acta Cardiologica*, 62 (3), pp. 257-264.
95. Camici, G.G., Schiavoni, M., **Francia, P.**, Bachschmid, M., Martin-Padura, I., Hersberger, M., Tanner, F.C., Pelicci, P., Volpe, M., Anversa, P., Lüscher, T.F., Cosentino, F. Genetic deletion of p66Shc adaptor protein prevents hyperglycemia-induced endothelial dysfunction and oxidative stress. (2007) *Proceedings of the National Academy of Sciences of the United States of America*, 104 (12), pp. 5217-5222.
96. **Francia, P.**, Balla, C., Paneni, F., Volpe, M. Left bundle-branch block - Pathophysiology, prognosis, and clinical management. (2007) *Clinical Cardiology*, 30 (3), pp. 110-115.
97. **Francia, P.**, Salvati, A., Balla, C., De Paolis, P., Pagannone, E., Borro, M., Gentile, G., Simmaco, M., De Biase, L., Volpe, M. Cardiac resynchronization therapy increases plasma levels of the endogenous inotrope apelin. (2007) *European Journal of Heart Failure*, 9 (3), pp. 306-309.
98. **Francia, P.**, Balla, C., Paneni, F., Volpe, M. The apelin/APJ system: From vascular biology to heart failure. (2006) *High Blood Pressure and Cardiovascular Prevention*, 13 (4), pp. 159-162.

99. Cosentino, F., **Francia, P.** Viewpoint: Climbing the academic ladder in Italy. (2006) *Circulation*, 114 (24), pp. f193-f194.
100. Cosentino, F., **Francia, P.**, Musumeci, B., De Siati, L., Rao, M.A., De Luca, N., Balla, C., De Sensi, F., Volpe, M. Nitric Oxide Release Is Impaired in Hypertensive Individuals With Familial History of Stroke. (2006) *American Journal of Hypertension*, 19 (12), pp. 1213-1216.
101. Curione, M., Cugini, P., Cammarota, C., Bernardini, F., Cipriani, D., De Rosa, R., **Francia, P.**, Colotto, M., Napoli, A., Fallucca, F. Analysis of the chaotic component of the sinusal R-R intervals as a tool for detecting a silent cardiac dysautonomia in type 2 diabetes mellitus. (2005) *Clinica Terapeutica*, 156 (4), pp. 151-158.
102. Cosentino, F., Savoia, C., De Paolis, P., **Francia, P.**, Russo, A., Maffei, A., Venturelli, V., Schiavoni, M., Lembo, G., Volpe, M. Angiotensin II type 2 receptors contribute to vascular responses in spontaneously hypertensive rats treated with angiotensin II type 1 receptor antagonists (2005) *American Journal of Hypertension*, 18 (4), pp. 493-499.
103. **Francia, P.**, Delli Gatti, C., Bachschmid, M., Martin-Padura, I., Savoia, C., Migliaccio, E., Pelicci, P.G., Schiavoni, M., Lüscher, T.F., Volpe, M., Cosentino, F. Deletion of p66shc gene protects against age-related endothelial dysfunction. (2004) *Circulation*, 110 (18), pp. 2889-2895.
104. Cosentino, F., **Francia, P.**, Volpe, M. Do COX-2 inhibitors really prevent hypertension and proteinuria? Another brick in the wall for the COX-2 inhibition and cardiovascular disease controversy. (2003) *Journal of Hypertension*, 21 (3), pp. 501-503.
105. Curione, M., Barbato, M., Viola, F., **Francia, P.**, De Biase, L., Cucchiara, S. Idiopathic dilated cardiomyopathy associated with coeliac disease: The effect of a gluten-free diet on cardiac performance. (2002) *Digestive and Liver Disease*, 34 (12), pp. 866-869.
106. Cugini, P., Curione, M., Cammarota, C., Bernardini, F., Cipriani, D., De Rosa, R., **Francia, P.**, De Laurentis, T., De Marco, E., Napoli, A., Fallucca, F. Is a reduced entropy in heart rate variability an early finding of silent cardiac neurovegetative dysautonomia in type 2 diabetes mellitus? (2001) *Journal of Clinical and Basic Cardiology*, 4 (4), pp. 289-294.
107. Cugini, P., Cammarota, C., Curione, M., Cipriani, D., De Rosa, R., **Francia, P.**, De Marco, E. Periodicità circadiana del disordine nella variabilità giornaliera della frequenza cardiaca umana: Ulteriore dimostrazione tramite approccio cronobiologico ai valori dell'esponente alfa stimato sugli intervalli sinusali R-R. (2001) *Clinica Terapeutica*, 152 (1), pp. 15-19.

Chapters in International Textbooks

- 2009 The European Society of Cardiology Textbook of Cardiovascular Medicine.
Oxford Press, 2nd edition
Chapter 14. F. Cosentino, L. Ryden, P. Francia and L. Mellbin
Diabetes mellitus and metabolic syndrome
- 2008 A Practical Approach to Catheter Ablation of Atrial Fibrillation
Lippincott Williams & Wilkins
Chapter 18. P. Ferrero, P. Francia, R. Cappato.
Identification and Elimination of Ancillary Arrhythmias
- 2006 The European Society of Cardiology Textbook of Cardiovascular Medicine.
Blackwell Pub, 1st edition
Chapter 11. F. Cosentino, L. Ryden and P. Francia
Diabetes mellitus and metabolic syndrome

SPOKEN LANGUAGES

Italian	native
English	fluent
French	fluent
Spanish	fluent

METRICS

Published papers	109 (Scopus/PubMed)
H-index	23 (Scopus)

Rome - June 2024



Pietro Francia, M.D.