

CURRICULUM VITAE

IOANNIS DOUNDOULAKIS

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Undergraduate/Graduate work:

- **Postgraduate program in Cardiac Electrophysiology and Pacing, Vrije University Brussels, Belgium, 2024-present**
- **Second PhD (c) in cardiology/electrophysiology, Vrije University Brussels, Belgium, Thesis title: "Causes and prevention of sudden cardiac death", 2024-present**
- **Doctor of Philosophy (PhD) in Cardiology/Electrophysiology, National and Kapodistrian University of Athens, Greece, Thesis title: "The importance of electrophysiologic study in unexplained syncope" 2019-2022**
- **Master of Science (MSc), Medical Research Methodology, School of Medicine, Aristotle University of Thessaloniki, Greece (grade: 9/10), 2015-2017**
- **Doctor of Medicine Degree (MD), Medical School of Thessaloniki, Aristotle University of Thessaloniki, (grade: 8/10), 2007-2013**
- **Greek Military School of Combat Support Officers (SSAS), Combat abilities combined with medical practice. (Military service obligations fulfilled) 2007-2013**

Positions Held (full-time jobs, in chronological order):

- **Cardiologist/Electrophysiologist, Heart Rhythm Management Center, UZ Brussels, Brussels, Belgium, 2025-present**
- **Cardiologist/Electrophysiologist, Clinical Scientific Collaborator, First Department of Cardiology, National and Kapodistrian University, 2025-present**
- **Adjunct faculty, Department of Health Sciences, School of life and Health Sciences, UNIC Athens, 2025-present**
- **Clinical Proctor – Abbott Volt™ PFA System (Served as a paid Contract Clinical Proctor for Abbott's latest Volt™ Pulsed Field Ablation System, delivering expert hands-on training and real-time proctoring to electrophysiologists during atrial fibrillation ablation procedures) , 2025-present**
- **Cardiac electrophysiology and pacing (EP) fellow, Heart Rhythm Management Center, UZ Brussels, Brussels, Belgium, 2024-2025**
- **Resident of cardiology, UZ Brussels, Brussels, Belgium, 2023-2024**
- **Resident of cardiology, First Department of Cardiology, National and Kapodistrian University, 2021-2023**
- **Resident of cardiology, 424 General Military Hospital, Thessaloniki, Greece, 2018-2021**
- **Lieutenant Doctor, 71st Airborne Brigade, Medical Director in a military camp 2014 – 2018.**
- **Foundation and Training at 401 General Military Hospital, Athens, Greece, 2013-2014.**

Training and Further Education:

- Editorial training fellowship, Journal of Interventional Cardiac Electrophysiology, Springer Nature, 2023-2024
- Basic Life Support and Automated External Defibrillation (BLS/AED), ERC European Resuscitation Council
- Advanced Life Support (ALS), ERC European Resuscitation Council

Areas of Concentration/ Research Interests:

Cardiology, Cardiac Arrhythmias, Atrial Fibrillation, Syncope, Sudden Cardiac Death, Biostatistics

Professional Associations & Scientific Societies Memberships:

Fellow of European Heart Rhythm Associations (FEHRA), 2025-present

Fellow of International Society for Holter and Non-Invasive Electrocardiology (ISHNE-F), 2023-present

Electrophysiologist National Ambassador for European Heart Rhythm Associations (EHRA), 2022-present

European Heart Rhythm Association, 2019-present

Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees:

Editorial training fellowship, Journal of Interventional Cardiac Electrophysiology, Springer Nature, 2024-2025

Funding (grants, contracts), Awards and International Recognition:

1. Investigator initiated study (IIS) from Pfizer. **Project Title:** A Prospective Study on the Safety and Efficacy of Apixaban for the PREventiOn of ThromboEmbolism in Adults With Congenital Heart Disease and Atrial Arrhythmias (PROTECT_AR), **ClinicalTrials.gov Identifier:** NCT03854149, **Budget:** 100500 €

2. Research grant from Hellenic Foundation of Cardiology (ELIKAR): 15.000 €

3. Research grant from Hellenic Society of Cardiology (HSC): 4.000 €

4. Research grant from Heart Rhythm Management Center, UZ Brussels: 20.000 €

Awards:

- Young investigator award (Third place) in the context of the 50th International Congress on Electrocardiology on May 30-June 1st 2025, Thessaloniki, Greece for the work titled: "Machine learning – Guided differentiation of RVOT and LVOT Arrhythmias".
- Award for best submission in the context of the Hellenic Society of Cardiology Congress 2022 for the work titled: "Management of patients with unexplained syncope and bundle branch block: Predictive factors of recurrent syncope".
- Award for best submission in the context of the Hellenic Society of Cardiology Congress 2023 for the work titled: "Safety and efficacy of apixaban in the prevention of thromboembolic events in adults with congenital heart disease and atrial arrhythmia".

Doctoral Dissertation:

"The importance of electrophysiologic study in unexplained syncope"

List of publications (Google scholar Citations: 2113, h-index: 24):

1. Doundoulakis I, Nakasone K, Bala G, Sieira J, Overeinder I, Sarkozy A, et al. Low Risk of Atrioventricular Conduction Disease in Patients With Unexplained Syncope and Negative Ajmaline Challenge. *JACC Clinical electrophysiology*. 2025;11(1):203-5.
2. Kotoulas SC, Doundoulakis I, Tsiachris D, Pannone L, Botis M, Poulimenos LS, et al. Ensuring long-term arrhythmia freedom: what are the options for long-standing persistent atrial fibrillation? Expert review of cardiovascular therapy. 2026;24(2):93-106.
3. Kordalis A, Tsiachris D, Antoniou CK, Doundoulakis I, Tsioufis K. Verification of persistent pulmonary vein isolation with electroanatomical mapping 3 months after ablation using a novel PFA platform. *Hellenic journal of cardiology : HJC = Hellenike kardiologike epitheorese*. 2026;87:160-1.
4. Chiotis S, Giannopoulos G, Zgouridou A, Konstantinidou SE, Peletidi A, Economou F, et al. Exploring the association of electrocardiographic markers and arrhythmic risk in hypertrophic cardiomyopathy: A systematic review and meta-analysis. *Journal of interventional cardiac electrophysiology : an international journal of arrhythmias and pacing*. 2026.
5. Chiotis S, Giannopoulos G, Boulmpou A, Zgouridou A, Koliastasis L, Efthymiou I, et al. Association of common risk factors with major adverse cardiac events and mortality in patients with MINOCA: A systematic review and meta-analysis. *International journal of cardiology*. 2026;450:134225.
6. Tsiachris D, Kotoulas SC, Doundoulakis I, Antoniou CK, Botis M, Pamporis K, et al. Reappraising Use of Flecainide for Atrial Fibrillation and Ventricular Arrhythmias in Structural Heart Disease Patients. *Medicina (Kaunas, Lithuania)*. 2025;61(10).
7. Tsiachris D, Antoniou CK, Doundoulakis I, Tsioufis K. Cryoballoon ablation treating carotid sinus hypersensitivity by coincidental cardioneuroablation - evidence from pacemaker telemetry. *Indian pacing and electrophysiology journal*. 2025.
8. Ballacci F, Giordano F, Scacciavillani R, Vetta G, Pannone L, Della Rocca DG, et al. Catheter ablation to prevent malignant ventricular arrhythmias in symptomatic Brugada syndrome: A systematic review and meta-analysis. *Heart rhythm*. 2025;22(12):3328-36.
- 9.
10. Vetta G, Della Rocca DG, Sarkozy A, Menè R, Pannone L, Almorad A, et al. A novel focal lattice-tip catheter toggling between pulsed field energy and radiofrequency for atrial arrhythmia ablation: Results from a real-world, multicenter registry. *Heart rhythm*. 2025;22(7):e13-e22.
11. Monaco C, Cespon-Fernandez M, Pannone L, Del Monte A, Della Rocca D, Gauthey A, et al. Implantable Cardioverter-Defibrillator Therapy in Brugada Syndrome: A 30-Year Single-Center Experience. *JACC Clinical electrophysiology*. 2025;11(6):1174-88
12. Farkowski MM, Scherr D, Boriani G, Kazakiewicz D, Haim M, Huculeci R, et al. Arrhythmia care in ESC member countries: the 2025 ESC-EHRA atlas on heart rhythm disorders. *Europace : European pacing, arrhythmias, and cardiac electrophysiology : journal of the working groups on cardiac pacing, arrhythmias, and cardiac cellular electrophysiology of the European Society of Cardiology*. 2025;27(7).
13. Vetta G, Della Rocca DG, Magnocavallo M, Richard-Vitton R, Almorad A, Betancur A, et al. Efficacy and Drug-Related Complications of Anticholinergic Drugs for Vagal Reaction Prevention During Pulsed Field Ablation. *JACC Clinical electrophysiology*. 2025;11(8):1757-68.
14. Vetta G, Della Rocca DG, Parlavecchio A, Magnocavallo M, Sorgente A, Pannone L, et al. Multielectrode catheter-based pulsed electric field vs. cryoballoon for atrial fibrillation ablation: a systematic review and meta-analysis. *Europace : European pacing, arrhythmias, and*

cardiac electrophysiology : journal of the working groups on cardiac pacing, arrhythmias, and cardiac cellular electrophysiology of the European Society of Cardiology. 2024;26(12).

15. Nakasone K, Della Rocca DG, Magnocavallo M, Betancur A, Vetta G, Pannone L, et al. Pulsed field ablation in the elderly by a pentaspline multielectrode catheter: Safety, efficacy, and comparison with cryoballoon and radiofrequency devices. *Heart rhythm*. 2025;22(7):e30-e9.

16. Della Rocca DG, Sorgente A, Pannone L, Cespón-Fernández M, Vetta G, Almorad A, et al. Multielectrode catheter-based pulsed field ablation of persistent and long-standing persistent atrial fibrillation. *Europace : European pacing, arrhythmias, and cardiac electrophysiology : journal of the working groups on cardiac pacing, arrhythmias, and cardiac cellular electrophysiology of the European Society of Cardiology*. 2024;26(10).

17. Vetta G, Parlavecchio A, Wright J, Magnocavallo M, Marcon L, Doundoulakis I, et al. Ultrasound-guided versus fluoroscopy-guided axillary vein puncture for cardiac implantable electronic device implantation: a meta-analysis enrolling 1257 patients. *Journal of interventional cardiac electrophysiology : an international journal of arrhythmias and pacing*. 2025;68(3):589-96.

18. Chiotis S, Pannone L, Doundoulakis I, Della Rocca DG, Zafeiropoulos S, Sorgente A, et al. Spontaneous type 1 ECG and arrhythmic risk in Brugada syndrome: A meta-analysis of adjusted time-to-event data. *Heart rhythm O2*. 2025;6(2):195-203.

19. Karanikola AE, Tzortzi M, Kordalis A, Doundoulakis I, Antoniou CK, Laina A, et al. Clinical, Electrocardiographic and Echocardiographic Predictors of Atrial Fibrillation Recurrence After Pulmonary Vein Isolation. *Journal of clinical medicine*. 2025;14(3).

20. Kordalis A, Tsiachris D, Antoniou CK, Doundoulakis I, Tsioufis K. Verification of persistent pulmonary vein isolation with electroanatomical mapping 3 months after ablation using a novel PFA platform. *Hellenic journal of cardiology : HJC = Hellenike kardiologike epitheorese*. 2024.

21. Pannone L, Uffenorde S, Bosworth Smith A, Della Rocca DG, Vergara P, Doundoulakis I, et al. Cryoballoon Ablation With the POLARx FIT or the Arctic Front Advance Pro for Paroxysmal Atrial Fibrillation: A Health Economic Analysis. *Journal of health economics and outcomes research*. 2025;12(1):155-61.

22. Pamporis K, Tsiachris D, Grigoriou K, Karakasis P, Doundoulakis I, Theofilis P, et al. One-Stop Mitral Valve Transcatheter Edge-to-Edge Repair and Left Atrial Appendage Occlusion in Patients with Atrial Fibrillation and Mitral Regurgitation: A Systematic Review and Meta-Analysis. *Journal of personalized medicine*. 2025;15(5).

23. Kolokathis K, Doundoulakis I, Tsiachris D, Kordalis A, Tsioufis K. Efficacy and safety of leadless cardiac resynchronization therapy: An updated meta-analysis. *Journal of cardiology*. 2025;86(1):93-4.

24. Kotoulas S, Tsiachris D, Botis M, Kordalis A, Varvarousis D, Leventopoulos G, et al. Effect of Flecainide in Idiopathic Premature Ventricular Contractions and the Induced Cardiomyopathy-UNIFLECA: A Single Arm, Non-Randomized Trial: Review of the Literature and Initial Results. *Journal of personalized medicine*. 2025;15(4).

25. Peletidi A, Doundoulakis I, Vavoulioti E, Petrou C, Petrides M. Hypertension care: the knowledge and attitudes of the community pharmacists. *Journal of pharmaceutical policy and practice*. 2025;18(1):2544635.

26. Nesti M, Lucà F, Mirizzi G, Bakytzhanuly A, Adelino R, Doundoulakis I, et al. Patient-Reported Outcomes After First Pulmonary Vein Isolation for Paroxysmal Atrial Fibrillation: Cryoballoon vs. Radiofrequency (SPY-AF). *Journal of clinical medicine*. 2025;14(19).

27. Chiotis S, Doundoulakis I, Zgouridou A, Piperis C, Raptis D, Peletidi A, et al. Predictors of arrhythmic events in hypertrophic cardiomyopathy patients with an implantable cardioverter defibrillator: a systematic review and meta-analysis. *European heart journal Quality of care & clinical outcomes*. 2025;11(7):1004-14.

28. Antoniou CK, Karampinos K, Tsiachris D, Kordalis A, Arsenos P, Doundoulakis I, et al. Current trends in virtual electrophysiology use for risk stratification and treatment of ventricular arrhythmias. *Frontiers in cardiovascular medicine*. 2025;12:1709175.
29. Laina A, Antoniou CK, Tsiachris D, Kordalis A, Arsenos P, Doundoulakis I, et al. CRT-D or CRT-P: When There Is a Dilemma and How to Solve It. *Journal of clinical medicine*. 2025;14(19).
30. Doundoulakis I, Nedios S, Zafeiropoulos S, Vitolo M, Della Rocca DG, Kordalis A, et al. Atrial fibrillation burden: Stepping beyond the categorical characterization. *Heart rhythm*. 2024.
31. Doundoulakis I, Marcon L, Pannone L, Della Rocca DG, Del Monte A, Sorgente A, et al. Empirical slow pathway ablation in patients with paroxysmal palpitations and pounding in the neck: A 15-year follow-up. *Heart rhythm*. 2024.
32. Doundoulakis I, Pannone L, Chiotis S, Della Rocca DG, Sorgente A, Tsioufis P, et al. SCN5A gene variants and arrhythmic risk in Brugada syndrome: An updated systematic review and meta-analysis. *Heart rhythm*. 2024.
33. Doundoulakis I, Chiotis S, Pannone L, Della Rocca DG, Sorgente A, Kordalis A, et al. Catheter ablation as an adjunctive therapy to ICD implantation in Brugada syndrome. *European heart journal Quality of care & clinical outcomes*. 2024.
34. Doundoulakis I, Pannone L, Cespón-Fernández M, Eltsov I, Chierchia GB, de Asmundis C, et al. A large footprint focal catheter toggling between pulsed field and radiofrequency energy: first clinical experience for ventricular tachycardia ablation. *Europace : European pacing, arrhythmias, and cardiac electrophysiology : journal of the working groups on cardiac pacing, arrhythmias, and cardiac cellular electrophysiology of the European Society of Cardiology*. 2024;26(7).
35. Zafeiropoulos S, Doundoulakis I, Bekiaridou A, Farmakis IT, Papadopoulos GE, Coleman KM, et al. Rhythm vs Rate Control Strategy for Atrial Fibrillation: A Meta-Analysis of Randomized Controlled Trials. *JACC Clinical electrophysiology*. 2024.
36. Pannone L, Doundoulakis I, Della Rocca DG, Sorgente A, Bisignani A, Vetta G, et al. Pentaspline catheter or cryoballoon for pulmonary vein plus posterior wall isolation in persistent atrial fibrillation: 1-Year outcomes. *Heart rhythm*. 2024.
37. Del Monte A, Della Rocca DG, Pannone L, Vetta G, Doundoulakis I, Cespón Fernández M, et al. Coronary Vasospasm During Isthmus Pulsed Field Ablation With Wide Area Focal Catheter. *Circulation Arrhythmia and electrophysiology*. 2024:e012923.
38. Del Monte A, Della Rocca DG, Pannone L, Vetta G, Cespón Fernández M, Marcon L, et al. Pulsed field ablation of the right superior pulmonary vein prevents vagal responses via anterior right ganglionated plexus modulation. *Heart rhythm*. 2024.
39. Menè R, Boveda S, Della Rocca DG, Sousonis V, Vetta G, Zeriuoh S, et al. Efficacy of Intravenous Nitrates for the Prevention of Coronary Artery Spasm During Pulsed Field Ablation of the Mitral Isthmus. *Circulation Arrhythmia and electrophysiology*. 2024;17(1):e012426.
40. Pannone L, Bisignani A, Osei R, Gauthey A, Sorgente A, Monaco C, et al. Correlations of ventricular fibrillation and monomorphic ventricular tachycardia with SCN5A mutations and other clinical variables in Brugada syndrome. *Heart rhythm*. 2024.
41. Doundoulakis I, Pannone L, Brugada P, de Asmundis C. Author's Reply to - Revisiting the prognostic role of SCN5A in Brugada syndrome. *Heart rhythm*. 2024.
42. Tsiachris D, Antoniou CK, Doundoulakis I, Kordalis A, Stefanadis C, Tsioufis K. Single-center initial experience with a new pulsed-field ablation system: pulmonary vein isolation lesions and beyond. *Future cardiology*. 2024;20(14):739-46.

43. Kartas A, Papazoglou AS, Moysidis DV, Despotopoulos S, Baroutidou A, Kosmidis D, et al. Use of apixaban in adults with congenital heart disease and atrial arrhythmias: The PROTECT-AR study. *International journal of cardiology*. 2024;406:131993.
44. Nakasone K, Tanaka K, Del Monte A, Della Rocca DG, Pannone L, Mouram S, et al. Distance-dependent neuromodulation effect during thermal ablation for atrial fibrillation. *Journal of cardiovascular electrophysiology*. 2024.
45. Scacciavillani R, Koliastasis L, Doundoulakis I, Chiotis S, Kordalis A, Narducci ML, et al. Remote Monitoring of Cardiac Implantable Electronic Devices in Very Elderly Patients: Advantages and Specific Problems. *Journal of cardiovascular development and disease*. 2024;11(7).
46. Tsiachris D, Argyriou N, Tsioufis P, Antoniou CK, Laina A, Oikonomou G, et al. Aggressive Rhythm Control Strategy in Atrial Fibrillation Patients Presenting at the Emergency Department: The HEROMEDICUS Study Design and Initial Results. *Journal of cardiovascular development and disease*. 2024;11(4).
47. Koliastasis L, Doundoulakis I, Xaplanteris P. Bending the Reluctance of No Pretreatment With P2Y₁₂ Inhibitors in ST-Segment Elevation Myocardial Infarction. *JACC Cardiovascular interventions*. 2024;17(6):822.
48. Alkhodari M, Khandoker AH, Jelinek HF, Karlas A, Soulaïdopoulos S, Arsenos P, et al. Circadian assessment of heart failure using explainable deep learning and novel multi-parameter polar images. *Computer methods and programs in biomedicine*. 2024;248:108107.
49. Al Younis SM, Hadjileontiadis LJ, Khandoker AH, Stefanini C, Soulaïdopoulos S, Arsenos P, et al. Prediction of heart failure patients with distinct left ventricular ejection fraction levels using circadian ECG features and machine learning. *PloS one*. 2024;19(5):e0302639.
50. Zafeiropoulos S, Doundoulakis I, Zanos S, Stavrakis S. Editorial: Autonomic involvement in arrhythmias: translating mechanisms to therapy. *Frontiers in cardiovascular medicine*. 2024;11:1504473.
51. Della Rocca DG, Marcon L, Magnocavallo M, Menè R, Pannone L, Mohanty S, et al. Pulsed electric field, cryoballoon, and radiofrequency for paroxysmal atrial fibrillation ablation: a propensity score-matched comparison. *Europace : European pacing, arrhythmias, and cardiac electrophysiology : journal of the working groups on cardiac pacing, arrhythmias, and cardiac cellular electrophysiology of the European Society of Cardiology*. 2023;26(1).
52. Doundoulakis I, Tsiachris D, Kordalis A, Koliastasis L, Soulaïdopoulos S, Arsenos P, et al. Management of Patients With Unexplained Syncope: Derivation and Validation of a Simplified 2-Step Diagnostic Approach. *Journal of the American Heart Association*. 2023;12(22):e031659.
53. Zafeiropoulos S, Doundoulakis I, Farmakis IT, Miyara S, Giannis D, Giannakoulas G, et al. Autonomic Neuromodulation for Atrial Fibrillation Following Cardiac Surgery: JACC Review Topic of the Week. *Journal of the American College of Cardiology*. 2022;79(7):682-94.
54. Economou FI, Doundoulakis I, Kalamakidou I, Koliastasis L, Soulaïdopoulos S, Samara M, et al. Prevention of Radial Artery Spasm With Transdermal Glyceryl Trinitrate Patches: The NURSE-TTS Randomized Study. *JACC Cardiovascular interventions*. 2023;16(3):365-7.
55. Doundoulakis I, Tsioufis K, Gatzoulis KA. Letter by Doundoulakis et al Regarding Article, "Programmed Ventricular Stimulation as Additional Primary Prevention Risk Stratification Tool in Arrhythmogenic Right Ventricular Cardiomyopathy". *Circulation*. 2023;147(22):1714.
56. Zafeiropoulos S, Farmakis IT, Milioglou I, Doundoulakis I, Gorodeski EZ, Konstantinides SV, et al. Pharmacological Treatments in Heart Failure With Mildly Reduced and Preserved Ejection Fraction: Systematic Review and Network Meta-Analysis. *JACC Heart failure*. 2023.
57. Tsiachris D, Antoniou CK, Doundoulakis I, Manolakou P, Sougiannis D, Kordalis A, et al. Best Practice Guide for Cryoballoon Ablation in Atrial Fibrillation: The Compilation Experience

of More than 1000 Procedures. Journal of cardiovascular development and disease. 2023;10(2).

58. Doundoulakis I, Tsiachris D, Kordalis A, Soulaïdopoulos S, Arsenos P, Xintarakou A, et al. Management of Patients With Unexplained Syncope and Bundle Branch Block: Predictive Factors of Recurrent Syncope. Cureus. 2023;15(3):e35827.

59. Tsiachris D, Doundoulakis I, Kordalis A, Antoniou CK, Tsioufis K. Superior vena cava isolation with pulsed field ablation in the presence of defibrillator leads. Journal of arrhythmia. 2023;39(3):483-5.

60. Tsioufis P, Tsiachris D, Doundoulakis I, Kordalis A, Antoniou CK, Vlachakis PK, et al. Rationale and Design of a Randomized Controlled Clinical Trial on the Safety and Efficacy of Flecainide versus Amiodarone in the Cardioversion of Atrial Fibrillation at the Emergency Department in Patients with Coronary Artery Disease (FLECA-ED). Journal of clinical medicine. 2023;12(12).

61. Chiotis S, Doundoulakis I, Pagkalidou E, Piperis C, Zafeiropoulos S, Botis M, et al. Total Atrial Conduction Time as a Predictor of Atrial Fibrillation Recurrence: A Systematic Review and Meta-Analysis. Cardiology in review. 2023.

62. Farmakis IT, Baroutidou A, Patsiou V, Arvanitaki A, Doundoulakis I, Hobohm L, et al. Contribution of pressure and flow changes to resistance reduction after pulmonary arterial hypertension treatment: a meta-analysis of 3898 patients. ERJ open research. 2024;10(1).

63. Kostopoulos G, Doundoulakis I, Toulis KA, Karagiannis T, Tsapas A, Haidich AB. Prognostic models for heart failure in patients with type 2 diabetes: a systematic review and meta-analysis. Heart (British Cardiac Society). 2023;109(19):1436-42.

64. Milaras N, Dourvas P, Doundoulakis I, Sotiriou Z, Nevras V, Xintarakou A, et al. Noninvasive electrocardiographic risk factors for sudden cardiac death in dilated cardiomyopathy: is ambulatory electrocardiography still relevant? Heart failure reviews. 2023;28(4):865-78.

65. Soulaïdopoulos S, Xintarakou A, Vogiatzakis N, Doundoulakis I, Arsenos P, Archontakis S, et al. Atrial fibrillation: An early marker of ventricular myocardial dysfunction. Kardiologia polska. 2023.

66. Vlachakis PK, Tsiachris D, Doundoulakis I, Tsioufis P, Kordalis A, Botis M, et al. Therapeutic inertia in rhythm control strategies in hospitalized patients with fibrillation: Insights from Hellenic Cardiorenal Morbidity Snapshot (HECMOS) study. Journal of cardiology. 2023.

67. Tsiartas E, Samaras A, Papazoglou AS, Kartas A, Moysidis DV, Gemousakakis E, et al. Changes in CHA(2)DS(2)-VASc score and risk of ischemic stroke among patients with atrial fibrillation. Heart and vessels. 2023;38(10):1267-76.

68. Halapas A, Koliastasis L, Doundoulakis I, Antoniou CK, Stefanadis C, Tsiachris D. Transcatheter Aortic Valve Implantation and Conduction Disturbances: Focus on Clinical Implications. Journal of cardiovascular development and disease. 2023;10(11).

69. Tsiachris D, Botis M, Doundoulakis I, Bartsioka LI, Tsioufis P, Kordalis A, et al. Electrocardiographic Characteristics, Identification, and Management of Frequent Premature Ventricular Contractions. Diagnostics (Basel, Switzerland). 2023;13(19).

70. Tsiachris D, Papakonstantinou PE, Doundoulakis I, Tsioufis P, Botis M, Dimitriadis K, et al. Anticoagulation Status and Left Atrial Appendage Occlusion Indications in Hospitalized Cardiology Patients with Atrial Fibrillation: A Hellenic Cardiorenal Morbidity Snapshot (HECMOS) Sub-Study. Medicina (Kaunas, Lithuania). 2023;59(10).

71. Dimitriadis K, Soulaïdopoulos S, Doundoulakis I, Iliakis P, Tsiachris D, Tsioufis P, et al. A network meta-analysis of the antithrombotic strategies in patients with atrial fibrillation and percutaneous coronary interventions: Focus on bleeding. Hellenic journal of cardiology : HJC = Hellenike kardiologike epitheorese. 2023;73:69-72.

72. Doundoulakis I, Farmakis IT, Theodoridis X, Konstantelos A, Christoglou M, Kotzakioulafi E, et al. Effects of dietary interventions on cardiovascular outcomes: a network meta-analysis. *Nutrition reviews*. 2023.
73. Pagkalidou E, Doundoulakis I, Apostolidou-Kiouti F, Bougioukas KI, Papadopoulos K, Tsapas A, et al. An overview of systematic reviews on imaging tests for diagnosis of pulmonary embolism applying different network meta-analytic methods. *Hellenic journal of cardiology : HJC = Hellenike kardiologike epitheorese*. 2023.
74. Leontsinis I, Farmakis D, Avramidis D, Andrikou E, Valatsou A, Gartzonikas E, et al. Cardiorenal multimorbidity in hospitalized cardiology patients: The Hellenic Cardiorenal Morbidity Snapshot (HECMOS) study. *Hellenic journal of cardiology : HJC = Hellenike kardiologike epitheorese*. 2023.
75. Goulas I, Evripidou K, Doundoulakis I, Kollios K, Nika T, Chainoglou A, et al. Prevalence of masked hypertension and its association with left ventricular hypertrophy in children and young adults with chronic kidney disease: a systematic review and meta-analysis. *Journal of hypertension*. 2023;41(5):699-707.
76. Koliastasis L, Doundoulakis I, Rychter J, Zembala M, Ninios V, Ninios I, et al. Transcatheter aortic valve implantation with self-expanding valves and the impact of balloon predilatation: the DIRECT II trial. *Hellenic journal of cardiology : HJC = Hellenike kardiologike epitheorese*. 2023.
77. Tzikos G, Doundoulakis I, Doutsini S, Adamidou F, Zafeiropoulos S, Koliastasis L, et al. Effect of Parathyroidectomy on Left Ventricular Mass Index in Patients With Primary Hyperparathyroidism. *Cureus*. 2023;15(1):e33429.
78. Al Younis SM, Hadjileontiadis LJ, Al Shehhi AM, Stefanini C, Alkhodari M, Soulaïdopoulos S, et al. Investigating automated regression models for estimating left ventricular ejection fraction levels in heart failure patients using circadian ECG features. *PloS one*. 2023;18(12):e0295653.
79. Alkhodari M, Khandoker AH, Jelinek HF, Karlas A, Soulaïdopoulos S, Arsenos P, et al. Circadian assessment of heart failure using explainable deep learning and novel multi-parameter polar images. *Computer methods and programs in biomedicine*. 2024;248:108107.
80. Tsiachris D, Antoniou CK, Doundoulakis I, Manolakou P, Kordalis A, Konstantinou D, et al. Three-dimensional electroanatomically guided slow pathway elimination is associated with procedural improvements and clinical benefit in atrioventricular node reentrant tachycardia patients. *Journal of arrhythmia*. 2022;38(6):1035-41.
81. Seo J, Li W, Safiriyu I, Kharawala A, Nagraj S, Tahir A, et al. A Meta-Analysis on the Impact of High BMI in Patients Undergoing Transcatheter Aortic Valve Replacement. *Journal of cardiovascular development and disease*. 2022;9(11).
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Scholarly Activities

Core Organising Committee Member of the following congresses:

- Hellenic cardiology congress of Drama, 2022
- Hellenic cardiology congress of Drama, 2023
- Hellenic cardiology congress of Drama, 2024
- Hellenic cardiology congress of Drama, 2025

Conference Presentations:

Invited speaker

- Uncontrolled hypertension and atrial fibrillation. Combined interventional approach. 12th Official pre-ESH Congress. 13-14 March 2026, Athens, Greece.
- Atrial fibrillation ablation in end stage kidney disease, Hellenic CardioRenal Congress, 8-10 January 2026, Athens, Greece.
- Next Era of Cardiac Ablation: Affera™ Mapping and Ablation System With Sphere-9™ Catheter Real World Experience, Hellenic cardiology congress of Drama, 20-22 December 2025, Drama, Greece.
- Atlas Registry, 11^o Workshop Arrhythmias and Pacemaker, 28-30 November, Athens, Greece.
- Discontinuing direct oral anticoagulants (DOACs) one year after atrial fibrillation (AF) ablation, CardioBeans 2025, 27-29 November, Thessaloniki, Greece.
- ReConsider registry. Panhellenic Congress of Cardiology, 23-25 October 2025, Athens, Greece.
- The new era of atrial fibrillation ablation: insights from Cyprus and Greece. European Association Congress, 29 August – 1 September 2025, Madrid, Spain.
- Bradycardia and pacing clinical cases. Chairperson. European Association Congress, 29 August – 1 September 2025, Madrid, Spain.
- Arrhythmias Mastreclass, CardioBeans MasterClass 2025, 27-28 June, Athens, Greece.
- Ventricular tachycardia clinical cases. Chairperson. European Heart Rhythm Association Congress, 30 March – 1 April 2025, Vienna, Austria.
- Persistent atrial fibrillation in a asymptomatic patient. Days of Hippocrates' Cardiology, 16-17 May, 2025, Thessaloniki, Greece.
- Looking for atrial fibrillation after ESUS. 5th Athens HaB Symposium, 9-10 May, 2025, Athens, Greece.
- EP Hellenic registry, Panhellenic Congress of Cardiology Working Groups, 06-08 February 2025, Athens, Greece.
- Medication Non-Adherence, Panhellenic Congress of Cardiology Working Groups, 06-08 February 2025, Athens, Greece.
- Analyzing data and undertaking meta-analysis, Hellenic CardioRenal Congress, 9-11 January 2025, Athens, Greece.

- Unexplained syncope, Hellenic cardiology congress of Drama, 20-22 December 2024, Drama, Greece.
- Pulsed Field Ablation, Hellenic cardiology congress of Drama, 20-22 December 2024, Drama, Greece.
- Pulsed ElectRiC FiEld versus Cryoballoon to Treat Paroxysmal Atrial Fibrillation (PERFECT-PAF) randomized trial: a periprocedural clinical and economic analysis, 10^o Workshop Arrhythmias and Pacemaker, 22-24 November, Athens, Greece.
- Catheter ablation as a first line treatment in paroxysmal atrial fibrillation, CardioBeans 2024, 21-23 November, Thessaloniki, Greece.
- Anticoagulation in patients with stroke of unknown etiology, Panhellenic Congress of Cardiology, 31-02 November 2024, Hersonissos, Greece.
- Promising novel PFA systems (PulseSelect, Volt and novel catheters), Panhellenic Congress of Cardiology, 31-02 November 2024, Hersonissos, Greece.

Oral Sessions

- Long-term outcomes from the PRESERVE EF study. Panhellenic Congress of Cardiology, 23-25 October 2025, Athens, Greece.
- Pulsed field ablation for long standing persistent atrial fibrillation: a propensity score matched comparison with hybrid ablation. Heart Rhythm Society Congress 2025, San Diego, USA.
- Cardiac sympathetic denervation in patients with refractory ventricular arrhythmias: a single-center experience. Heart Rhythm Society Congress 2025, San Diego, USA.
- Arrhythmic risk stratification in post-myocardial infarction patients with preserved ejection fraction: Long-term outcomes in PRESERVE EF study. Heart Rhythm Society Congress 2025, San Diego, USA.
- Left Ventricular Ejection Fraction Improving in Patients with Atrial Fibrillation and Heart Failure Undergoing Pulsed Field Ablation. Heart Rhythm Society Congress 2025, San Diego, USA.
- Focal Lattice Tip Catheter Toggling Between Pulsed Field Energy and Radiofrequency vs. High Power Short Duration for Pulmonary Vein Isolation: A Multicenter study. Heart Rhythm Society Congress 2025, San Diego, USA.
- A Novel Focal Lattice Tip Catheter Toggling Between Pulsed Field Energy and Radiofrequency for Atrial Arrhythmia Ablation: Results from a Real-World, Multicenter Registry. Heart Rhythm Society Congress 2025, San Diego, USA.
- Pulsed field ablation for long standing persistent atrial fibrillation: a propensity score matched comparison with hybrid ablation. European Heart Rhythm Association Congress 2025, Vienna, Austria.
- Cardiac sympathetic denervation in patients with refractory ventricular arrhythmias: a single-center experience. European Heart Rhythm Association Congress 2025, Vienna, Austria.
- Pulsed field versus hybrid ablation in patients with long standing persistent atrial fibrillation: a propensity score matched comparison, Panhellenic Congress of Cardiology, 31-02 November 2024, Hersonissos, Greece.
- Spontaneous Type 1 ECG and arrhythmic risk in Brugada Syndrome: a systematic review and meta-analysis of adjusted and unadjusted time-to-event data, Panhellenic Congress of Cardiology, 31-02 November 2024, Hersonissos, Greece.
- SCN1A gene variants and arrhythmic risk in Brugada Syndrome: a systematic review and meta-analysis, Panhellenic Congress of Cardiology, 31-02 November 2024, Hersonissos, Greece.
- Effectiveness and safety of electrical cardioversion in the emergency department, HEROMEDICUS study, Panhellenic Congress of Cardiology, 31-02 November 2024, Hersonissos, Greece.

- Effectiveness and safety of advanced rhythm control strategy in the emergency department, HEROMEDICUS study, Panhellenic Congress of Cardiology, 31-02 November 2024, Hersonissos, Greece.
- Irrigated radiofrequency catheter ablation for AVNRT, Panhellenic Congress of Cardiology, 31-02 November 2024, Hersonissos, Greece.
- Age-related and location-related analysis for premature ventricular contraction, Panhellenic Congress of Cardiology, 31-02 November 2024, Hersonissos, Greece.
- Long term follow-up for premature ventricular contraction ablation, Panhellenic Congress of Cardiology, 31-02 November 2024, Hersonissos, Greece.
- Association of superior vena cava isolation with improved outcomes in atrial fibrillation ablation, Panhellenic Congress of Cardiology, 31-02 November 2024, Hersonissos, Greece.

Advisory (students supervised, theses directed etc):

Member of the Supervisory team of 1 PhD:

1. Pagkalidou E.: Development and comparison of statistical methodology in network meta-analysis of diagnostic test accuracy studies applied to cardiovascular diseases. Medical School, Aristotle University of Thessaloniki, Greece

Member of the Supervisory team of 3 MScs:

1. Ofilidis E.: Pulmonary venous isolation plus posterior wall isolation vs pulmonary venous isolation alone in patients with persistent atrial fibrillation, A systematic review and meta-analysis. Aristotle University of Thessaloniki

2. Tzioutzia S.: Factors associated with the risk of death or intubation in hospitalized patients with COVID-19 at the Florina General Hospital : A retrospective cohort study. Medical School, Aristotle University of Thessaloniki

3. Salonis G.A.: Predictive Modeling for Unexplained Syncope: A Cox-Regression Approach. Medical School, Aristotle University of Thessaloniki

Books Chapters, Edited, Written or Translated:

Book Chapters:

- Chapter 11: "Syncope", in "Cardiology" by Giannakoulas G., Rotonta Publishers Ltd, 2022
- Chapter 12: "Sudden Cardiac Death", in "Cardiology" by Giannakoulas G., Rotonta Publishers Ltd, 2022

Teaching activities

- Independent Clinical Proctor – Abbott Volt™ PFA System (Paid Contract).
- Cardiology University Student Training Program, (First Department of Cardiology, National and Kapodistrian University), 2025-2026
- Cardiology Resident Training Program, (First Department of Cardiology, National and Kapodistrian University), 2025-2026
- Cardiac Electrophysiology Masterclass, 24 May 2025, Athens, Greece
- Electrophysiology Fellowship Training Program (UZ Brussels and Clinique Pasteur-Toulouse) 2024
- Electrophysiology Fellowship Training Program (UZ Brussels and Clinique Pasteur-Toulouse) 2023

Webinars (presenter role)/Training sessions (trainer role):

- **Journal club for the working group of electrophysiology and pacing (Hellenic Society of Cardiology).** 09/ 2024

Title: ADVENT trial. PFA vs Thermal energy

- **Journal club for the working group of electrophysiology and pacing (Hellenic Society of Cardiology).** 03/2024

Title: NOAH-AFNET 6 trial. ARTESiA trial. Meta-analysis of these two RCTs

Languages:

English (fluent), Greek (mother tongue language)

Extra-Curricular Activities:

I love playing tennis, watching movies and running