



CURRICULUM VITAE

ISAAC AIDONIDIS

Cardiologist

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PERSONAL DATA

Name: Isaac Aidonidis

Date and Place of birth: 16 October 1959, Serres (Greece)

Nationality: Greek

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EDUCATION

1977: Graduated from 13th Gymnasium-Lyceum of Thessaloniki.

1978: Nominated for position in the School of Medicine, University of Heidelberg (Germany).

1979: Acquisition of right of admission to college studies after taking a position at the Medical Faculty of the University of Heidelberg for the recognition of the Greek baccalaureate and learning the German language.

1980: After passing the examination of the College Studies, beginning first semester of study at the Medical School.

1985: Bachelor of Medicine, University of Heidelberg, grade "Good". Doctor of Medicine School of the same University, grade "Very Good" on "The antiarrhythmic action of d-sotalol 3-7 days after myocardial infarction in dogs".

1986-89: Specialization in Cardiology, University Hospital of Internal Medicine Heidelberg, Dept. of Cardiology (Director: Prof. W. Kuebler).

1990-91: Research fellow at the Experimental Electrophysiology Laboratory of the Medical Faculty of the same University on a scholarship from the German Society for Research on heart and circulatory system on "*Mechanisms of cardiac arrhythmias*" (National Scholarship Program SFB 320).

1992: Military duty in Greece.

1993-94: Completion of specialization in Cardiology in Heart 1st Cardiology Department (Director: Assist. Prof. A. Zacharoulis) of Hospital "Amalia Fleming" (Athens).

1995: Successful participation in written and oral examinations for the qualification Specialty in Cardiology (Hippokration University Hospital of Athens: Director: Prof. P. Toutouzas).

1995-96: Rural Health Center physician in Schimatari of Viotia.

1996-97: Research Fellow in Cardiology Clinic Hippokration Athens University Hospital and the Laboratory of Experimental Physiology, Medical School of Athens to carry out the work of scholarship by the Greek Society of Cardiology (CSR) and the Greek Foundation of Cardiology (EL.I.KAR.).

1997-2006: Lecturer in Cardiology Department of General Hospital of Larissa.

2007-present: Assistant Professor of Physiology at the Medical Faculty of the University of Thessaly.

AFFILIATIONS

- 1) German Society of Cardiology since 1988.
- 2) Hellenic Society of Cardiology since 1996.
- 3) Vice Chairman of the Working Group of Experimental Cardiology (1999-2001).
- 4) Chairman of the Working Group of Experimental Cardiology (2002-2004).
- 5) Heart Failure Working Group of the Hellenic Society of Cardiology since 2002.
- 6) Working Group of Electrophysiology/Pacing of the Hellenic Society of Cardiology since 2003.
- 7) Fellow of the European Society of Cardiology since 2003 (FESC)
- 8) Hellenic Society of Physiology

AWARDS

1995: 1st Prize for research work by the Greek Society of Cardiology on "Changes of action potential of endocardial and epicardial cells during acute myocardial infarction: Dominance of early afterdepolarizations".

1995-96: Scholarship from the Internal EL.I.KAR. experimental study concerning the mechanisms causing ventricular tachyarrhythmias in dilated cardiomyopathy. The role of mitochondrial K_{ATP} -dependent channels as a mechanism for developing malignant arrhythmias in heart failure. Imitation of conditions increasing the duration of repolarization in heart failure with the substance 4-aminopyridine, an I_{to1} channel blocker exaggerating dispersion of ventricular repolarization and arrhythmogenesis in heart failure.

1996-97: Scholarship from the Hellenic Society of Cardiology in collaboration with the German Society of Cardiology on "*Electrophysiological changes of monophasic action potentials during experimentally-induced ischemic preconditioning*".

2002: Praise for the research work at the 23rd National Cardiology Conference: "*ATP sensitive potassium channel activation is irreversibly blocked by 4-aminopyridine in atrial myocytes*".

2003: 2nd Prize research oral presentation entitled: "*Cardiac troponin T in assessing preconditioning-induced protection after myocardial infarction in pigs*" by the Greek Society of Cardiology in the Seminar Meeting of the Working Groups.

TEACHING

Education in pro-diploma cardiologists in clinical practice and physicians in rural state.

Medical Physiology II (*Cardiovascular System*) courses and practical to students of Larissa University School of Medicine, University of Thessaly.

Lectures on specific topics of therapy of clinical arrhythmias in General Hospital of Larissa.

Active participation in local conferences Cardiology of Central Greece, medical seminars and conferences in all annual meetings of the Hellenic Society of Cardiology and its working groups on issues of Experimental Cardiology.

LABORATORY ORGANIZATION - SCIENTIFIC MEETINGS CONTRIBUTION

Organization of the *Experimental Surgery Laboratory* at the University Hospital of Larissa and Department of Physiology, Medical School, focusing on studying the mechanisms of atrial and ventricular tachyarrhythmias in anesthetized pig and rabbit models, the myocardial protection mechanisms of ischemic pre- and postconditioning, and new antiarrhythmic compounds.

Referee at National Cardiology Congresses submitted Abstracts (2001-present).

Referee in the Hellenic Journal of Cardiology Review 2002.

Vice President and several round tables in the setting of National Congress of Cardiology and lectures with international participation in the Seminar of the Working Groups of the Hellenic Society of Cardiology (2000-present).

From 2002-2004 Editor of the annual research paper "*NEWS FROM EXPERIMENTAL CARDIOLOGY*" with contribution of Greek researchers.

Active participation in "The Athens Exchange of Cardiovascular Research Ideas" Meetings organized by Prof. D. Cokkinos in Athens Medical School (2002-2004).

Meeting of the Hellenic Physiological Society in Larissa, 2010.

PREVIOUS AREAS OF RESEARCH

1985-1989: Mechanisms of ventricular tachycardia and fibrillation with the help of epicardial late potentials in a canine model of ischemia and reperfusion. Analysis of postganglionic nerve activity to the heart during myocardial ischemia-reperfusion,

ventricular tachycardia, and ventricular fibrillation (Electrophysiology Laboratories, Prof. J. Brachmann, and Physiology of the autonomic nervous system, Prof. H. Seller).

During the same period in collaboration with the Department of Anatomy and Cell Biology (Prof. J. Metz), the impact of adrenergic innervation in infarcted myocardium after ligation or intraluminal LAD occlusion was evaluated in dogs with chronic infarcts.

The first experiments using special monophasic action potential (MAP) catheters were executed under the guidance of Prof. R. Stroobandt (Belgium), enabling analysis of changes in atrial and ventricular repolarization under in vivo conditions.

1994-1998: Continuing arrhythmia research at the Laboratory of Experimental Physiology, University of Athens (Prof. I. Stavridis), and Experimental Surgery (Prof. P. Karayannakos). Focus on mechanisms preventing post-infarction arrhythmias by ischemic myocardial preconditioning in anesthetized pigs. Implementation of new recording systems of combination PACING/MAP contact catheters for registering of early and late afterpotentials generating ischemia-reperfusion arrhythmias. We studied the role of ischemic preconditioning on ventricular fibrillation threshold after acute coronary artery ligation.

Experimental research on cholinergic mechanisms of atrial fibrillation and flutter in pigs in the laboratory of the pharmaceutical company ELPEN (Athens).

This comprehensive experimental work has been mentioned on Issue 2, Volume IX of EL.I.KAR. 2004 Chapter: "Arrhythmias: The Greek Contribution (1960-2003)".

CURRENT RESEARCH INTERESTS

Investigation of the persistent (late) sodium current in arrhythmogenesis, diastolic myocardial dysfunction, and drug-induced long-QT. Mechanisms involved in the increase of late sodium current in atrial and ventricular myocardium.

Ischemic preconditioning and postconditioning in clinical and experimental settings. Mechanisms of no-reflow phenomenon. Post-surgical mechanisms of atrial fibrillation.

Electrophysiologic mechanisms of the combination of amiodarone and ranolazine for conversion of atrial tachyarrhythmias in the experimental laboratory and clinical settings.

Ionic mechanisms governing conduction and repolarization remodeling in atrial fibrillation and ventricular arrhythmias in an uremic rabbit model.

Renal denervation in cardiac muscle hypertrophy in uremic rabbits (Cardiorenal syndrome).

PEER REVIEWER IN SCIENTIFIC JOURNALS

1. Clinical Medicine Research
2. Journal of Atrial Fibrillation
3. Cardiovascular Therapeutics

SCIENTIFIC PUBLICATIONS

ORIGINAL PAPERS

1. Azithromycin and Cardiac Arrhythmias.

Stamatiou R and **Aidonidis I**. Austin J Vasc Med - Volume 1, Issue 2 – 2014 (Review Article).

2. Effectiveness of aldosterone antagonists for preventing atrial fibrillation after cardiac surgery in patients with systolic heart failure: a retrospective study.

Simopoulos V, Tagarakis G, Hatziefthimiou A, Skoularigis I, Triposkiadis F, Trantou V, Tsilimingas N, **Aidonidis I**.

Clin Res Cardiol. 2014 Aug 19. [Epub ahead of print]

3. The effects of ranolazine on paroxysmal atrial fibrillation in patients with coronary artery disease: A preliminary observational study.

Leftheriotis D, Flevari P, Theodorakis G, Rigopoulos A, Ikonomidis I, Panou F, Sourides V, Simitsis P, Giannakakis G, **Aidonidis I**, Rizos I, Anastasiou-Nana M. *JAFIB Feb-Mar, 2014:Vol 6:Issue 5, 25-31.*

4. Ranolazine enhances the antiarrhythmic activity of amiodarone by accelerating conversion of new-onset atrial fibrillation after cardiac surgery.

Simopoulos V, Tagarakis GI, Daskalopoulou SS, Daskalopoulos ME, Lenos A, Chryssagis K, Skoularigis I, Molyvdas PA, Tsilimingas NB, **Aidonidis I**. *Angiology 2014 Apr;65(4):294-7.*

5. Effect of ranolazine in preventing postoperative atrial fibrillation in patients undergoing coronary revascularization surgery.

Tagarakis GI, **Aidonidis I**, Daskalopoulou SS, Simopoulos V, Liouras V, Daskalopoulos ME, Parisi C, Papageorgiou K, Skoularigis I, Triposkiadis F, Molyvdas PA, Tsilimingas NB. *Curr Vasc Pharmacol 2014 Jan 31;11(6):988-91.*

6. Ranolazine-induced postrepolarization refractoriness suppresses induction of atrial flutter and fibrillation in anesthetized rabbits.

Aidonidis I, Doulas K, Hatziefthimiou A, Tagarakis G, Simopoulos V, Rizos I, Tsilimingas N, Molyvdas PA. *J Cardiovasc Pharmacol Ther* 2013 Jan;18(1):94-101.

7. Dose-related shortening of ventricular tachycardia cycle length after administration of the KATP channel opener bimakalim in a 4-day-old chronic infarct anesthetized pig model.

Aidonidis I, Poyatzi A, Stamatiou G, Lymberi M, Stamatoyannis N, Molyvdas PA. *J Cardiovasc Pharmacol Ther* 2009 Sep;14(3):222-30.

8. Assessment of local atrial repolarization in a porcine acetylcholine model of atrial flutter and fibrillation.

Aidonidis I, Poyatzi A, Stamatiou G, Lymberi M, Molyvdas PA. *Acta Cardiol* 2009 Feb;64(1):59-64.

9. Occurrence of a terminal vascularisation after experimental myocardial infarction.

Kramer MF, Kinscherf R, **Aidonidis I**, Metz J. *Cell Tissue Res* 1998 Jan;291(1):97-105.

10. Electropharmacology of the bradycardic agents alinidine and zatebradine (UL-FS 49) in a conscious canine ventricular arrhythmia model of permanent coronary artery occlusion.

Aidonidis I, Brachmann J, Rizos I, Zacharoulis A, Stavridis I, Toutouzas P, Kübler W. *Cardiovasc Drugs Ther* 1995 Aug;9(4):555-63.

11. Prognostic value of spontaneous ventricular arrhythmias for survival after acute myocardial ischemia and incipient infarction.

Aidonidis I, Rizos I, Molyvdas P, Zacharoulis A, Stavridis I, Toutouzas P. *Hellenic J Cardiol* 36: 189-194, 1995.

12. Early afterdepolarizations form the main mechanism of non-reentrant ventricular arrhythmias following acute coronary occlusion in anesthetized pigs.

Aidonidis I, Rizos I, Molyvdas P, Poyatzi A, Lymberi M, Dontas I, Karayannakos P, Stavridis I, Toutouzas P. *Hellenic J Cardiol* 36: 533-542, 1995.

13. Electrophysiological mechanisms of action of ethmozine that explain its antiarrhythmic efficacy in the late stage of experimental myocardial infarction in dogs.

Aidonidis I, Egel E, Hilbel T, Rizos I, Kuebler W, Brachmann J. *Eur Heart J* 1994 Dec;15(12):1698-704.

14. Electrophysiological mechanisms of action of the levorotatory isomer of sotalol in a canine infarct model of inducible ventricular tachycardia: comparison with the beta-1 receptor antagonist bisoprolol.

Aidonidis I, Rizos I, Hilbel T, Kuebler W, Brachmann J. *J Mol Cell Cardiol* 1994 Jul;26(7):841-8.

15. Intraindividual comparison of diltiazem and verapamil on induction of paroxysmal supraventricular tachycardia.

Rizos I, Seidl KH, **Aidonidis I**, Stamou S, Senges J, Toutouzas P. *Cardiology* 1994;85(6):388-96.

16. Lidocaine converts inducible ventricular fibrillation into sustained ventricular tachycardia in conscious dogs with recent myocardial infarction.

Aidonidis I, Brachmann J, Rizos I, Toutouzas P, Kübler W. *Cardiology* 1994;85(6):378-87.

17. Effects of prenylamine and AQ-A 39 on reentrant ventricular arrhythmias induced during the late myocardial infarction period in conscious dogs.

Aidonidis I, Egel E, Hilbel T, Kuebler W, Brachmann J. *J Cardiovasc Pharmacol* 1993 Sep;22(3):401-7.

18. Significance of cardiac innervation on spontaneous ventricular arrhythmias elicited by left stellate ganglion stimulation in dogs 4 days after myocardial infarction: comparison of two experimental models.

Aidonidis I, Metz J, Gerstheimer F, Kübler W, Brachmann J. *Basic Res Cardiol* 1993 Mar-Apr;88(2):155-66.

19. Cardiac sympathetic nervous activity during myocardial ischemia, reperfusion and ventricular fibrillation in the dog--effects of intravenous lidocaine.

Aidonidis I, Brachmann J, Seller H, Demowsky K, Czachurski J, Kübler W. *Cardiology* 1992;80(3-4):196-204.

20. Bepridil versus nifedipine for ventricular tachycardia induced in the late postinfarction phase in conscious dogs.

Brachmann J, **Aidonidis I**, Dembowsky K, Seller H, Kuebler W. *Cardiology* 1989;76(3):211-21.

21. Heart innervation after ligation of the left anterior descending coronary artery (LAD).

Trautner H, Gerstheimer F, **Aidonidis I**, Brachmann J, Kölb J, Kübler W, Metz J. *Histochemistry* 1989;92(2):103-8.

22. Monoclonal antibodies specific for human cardiac myosin: selection, characterization and experimental myocardial infarct imaging.

Hoberg E, Eisenhut M, Hofmann M, Schuler G, Brachmann J, **Aidonidis I**, Nachtkamp J, Kübler W, Katus HA. *Eur Heart J* 1988 Mar;9(3):328-36.

PAPERS UNDER REVIEW

1. Amiodarone plus ranolazine on electrophysiologic properties of normal and tachypacing remodeled atria in intact rabbits: Insights into the mechanisms underlying superior antiarrhythmic efficacy to amiodarone alone.

Aidonidis I, Simopoulos V, Hatziefthimiou A, Stravela S, Tsilimingas N, Molyvdas PA. *Journal of Cardiovascular Pharmacology and Therapeutics*, 2014.

2. Ranolazine enhances nicardipine induced relaxation of alpha1-adrenoceptor mediated contraction on isolated rabbit aorta.

Malavaki C, Hatziefthimiou A,**Aidonidis I**. *ACTA CARDIOLOGICA*, 2014.

CHAPTERS IN BOOKS

J. Brachmann, J. Senges, I. Rizos, C. Schmitt, **I. Aidonidis** and W. Kuebler: Sotalol in patients with recurrent sustained ventricular tachycardia: electrophysiologic and antiarrhythmic effects, *In: Advances in Cardiology: The Unique Role of sotalol (Medicine Publishing Symposium Series, 17.) Toronto: MES Medical Education Services, 1985, p 31-5.*

J. Brachmann, **I. Aidonidis**, W. Schoels, J. Senges and W. Kuebler: Paradoxical arrhythmogenic properties of antiarrhythmic drugs: experimental and clinical findings, *In: Cardiac Arrhythmias for the Clinical Cardiologist, Editors: E. Andries, R. Stroobandt. Published by Elsevier Science Publishing B.V., 1986, p 193-204.*

J. Metz, **I. Aidonidis**, J. Koelb and J. Brachmann: Autonomic Innervation and Arrhythmias in Canine Myocardial Infarction, *In: Adrenergic System and Ventricular Arrhythmias in Myocardial Infarction, Editors: J. Brachmann, A. Schoemig. Published by Springer-Verlag Berlin Heidelberg, 1989, p 322-334.*

CITED IN BOOKS

Beyer T, **Aidonidis I**, Rizos I, and Brachmann J. Acute class III effects..., published in *J Am Coll Cardiol* 1986; 7, 116. *In: "Stereoisomers: Therapeutic Drugs", page 62, by Donald F. Smith (1989) - CRC-Press.*

Beyer T, Brachmann J, **Aidonidis I**, Rizos I, Kuebler W. Effects of d-sotalol on electrophysiological parameters in rabbit AV nodal preparations: demonstration of class III actions. *J Mol Cell Cardiol* 18: 279, 1986. In: **"Electrophysiology and Pharmacology of the Heart"** by Dangman (1991) - Informa HealthCare.

Hoberg E, Eisenhut M, Hofmann M, Schuler G, Brachmann J, **Aidonidis I**, Nachtkamp J, Kuebler W, Katus HA. Monoclonal antibodies specific for human cardiac myosin: selection, characterization and experimental myocardial infarct imaging. *Eur Heart J* 9: 328-336, 1988. In: **"International Review of Cytology: A Survey of Cell Biology"** by Kwang W. Jeon (1992) - Academic Press.

Hoberg E, Eisenhut M, Hofmann M, Schuler G, Brachmann J, **Aidonidis I**, Nachtkamp J, Kuebler W, Katus HA. Monoclonal antibodies specific for human cardiac myosin: selection, characterization and experimental myocardial infarct imaging. *Eur Heart J* 9: 328-336, 1988. In: **"Structure of Antigens, Volume III (Vol 3)"**, page 215, by Marc H.V. Van Regenmortel (1995) - CRC - Press.

Brachmann J, Stroobandt R, **Aidonidis I**, Senges J, Kuebler W. Analysis of monophasic action potentials facilitates differentiation of ventricular tachyarrhythmias. *PACE* 9: 308, 1986. In: **"Quantitative Cardiac Electrophysiology"**, page 479, by Informa HealthCare, 2002.

Aidonidis I, Brachmann J, Rizos I, Zacharoulis A, Stavridis I, Toutouzas P, Kubler W. Electropharmacology of the bradycardic agents alinidine and zatebradine (UL-FS 49) in a conscious canine ventricular arrhythmia model of permanent coronary artery occlusion. *Cardiovasc Drugs Ther* 9: 555-563, 1995. In: **"Cardiac Drug Development Guide"** from Series: *Methods in Pharmacology and Toxicology*, Pub. Date: Jul-30-2003, Page Range: 27-46, Springer Protocols.

Aidonidis I, Egel E, Hilbel T, Kuebler W, Brachmann J. Effects of prenylamine and AQ-A 39 on reentrant ventricular arrhythmias induced during the late myocardial infarction period in conscious dogs. *J Cardiovasc Pharmacol* 22: 401-407, 1993. In: **"Acquired Long QT Syndrome"**, page 160, by A. John Camm, Marek Malik and YeeGuan Yap (2004) - Wiley - Blackwell.

ABSTRACTS PRESENTED IN INTERNATIONAL CONGRESSES

1. Brachmann J, Gao TL, [Aidonidis I](#), Lohr M, Tarek A, Lengfelder W, Senges J. Tocainide in the late myocardial infarction period in conscious dogs: Antiarrhythmic effects and alteration of ventricular late potentials. **PACE 6: 43, 1983.**
2. Brachmann J, Gao TL, [Aidonidis I](#), Lohr M, Jauernig R, Senges J. Differential effects of disopyramide on the electrical activity of normal and ischemically- damaged cells in the late myocardial infarction period. **PACE 6: 17, 1983.**

3. Gao TL, Brachmann J, Rizos I, [Aidonidis I](#), Senges J. Mechanism of the antiarrhythmic effect of the beta-blocking agents sotalol and metoprolol on AV-nodal reentrant tachycardia. *PACE* 6: 13, 1983.
4. Brachmann J, Senges J, Gao TL, Spaeth J, [Aidonidis I](#), Schoels W, Herkert C, Rizos I, Kuebler W. Facilitation of ventricular tachycardia by nifedipine in the late postmyocardial infarction period. *Eur Heart J* 5: 115, 1984.
5. Brachmann J, Senges J, Gao TL, [Aidonidis I](#), Kuebler W. Antiarrhythmic class III effect of d-sotalol in dogs during the late myocardial infarction period. *Eur Heart J* 5: 116, 1984.
6. Brachmann J, Senges J, Spaeth J, Schoels W, Herkert C, [Aidonidis I](#), Kuebler W. Effect of tocainide on normal and damaged ventricle in conscious dogs during the late postinfarction period. *Eur Heart J* 5: 117, 1984.
7. Brachmann J, Gao TL, Schoels W, Herkert C, [Aidonidis I](#), Kuebler W. Effect of low extracellular potassium concentration on class III effects of sotalol in normal and ischemic fibers. *Eur Heart J* 5: 484, 1984.
8. Brachmann J, Boll W, Schoels W, Herkert C, [Aidonidis I](#), Senges J. Termination of sustained ventricular tachycardia: Intraindividual comparison of adaptive vs. nonadaptive pacing in conscious dogs. *Eur Heart J* 5: 1322, 1984.
9. Brachmann J, Senges J, Gao TL, Schoels W, [Aidonidis I](#), Kuebler W. Class III effects of sotalol are dependent on the extracellular potassium concentration in normal and depressed fibers following myocardial infarction. *J Am Coll Cardiol* 3: 617, 1984.
10. Brachmann J, Senges J, Stroobandt R, [Aidonidis I](#), Kuebler W. Effect of sotalol and aprindine on atrial and ventricular monophasic action potential. *Cardiovasc. Pharmacotherapy Intern. Symposium, Geneva, 1985.*
11. Brachmann J, Senges J, [Aidonidis I](#), Rizos I, Kuebler W. Electrophysiological effects of d-sotalol in dogs during the subacute myocardial infarction period. *Cardiovasc. Pharmacotherapy Intern. Symposium, Geneva, 1985.*
12. Senges J, Brachmann J, [Aidonidis I](#), Schmitt C, Kuebler W. Combination of antiarrhythmic therapy and adaptive antitachycardia stimulation: Long-term results in patients with drug-refractory ventricular tachycardia. *Cardiovasc. Pharmacotherapy Intern. Symposium, Geneva, 1985.*
13. [Aidonidis I](#), Brachmann J, Senges J, Rizos I, Kuebler W. Electrophysiologic characteristics of spontaneous benign and malignant sustained ventricular tachycardia occurring in experimental canine myocardial infarction. *Cardiovasc. Pharmacotherapy International Symposium, Geneva, 1985.*

14. [Aidonidis I](#), Brachmann J, Senges J, Rizos I, Kuebler W. Comparative antiarrhythmic action of verapamil and diltiazem on late phase ventricular arrhythmias in conscious dogs. ***Cardiovasc. Pharmacotherapy International Symposium, Geneva, 1985.***
15. [Aidonidis I](#), Brachmann J, Senges J, Rizos I, Kuebler W. Comparative antiarrhythmic action of verapamil and diltiazem on late phase ventricular arrhythmias in conscious dogs. ***J Am Coll Cardiol 5: 491, 1985.***
16. Brachmann J, Senges J, [Aidonidis I](#), Rizos I, Kuebler W. Antiarrhythmic class III effect of d-sotalol in conscious dogs with subacute myocardial infarction. ***J Am Coll Cardiol 5: 466, 1985.***
17. Brachmann J, Senges J, [Aidonidis I](#), Kuebler W. Electrophysiological effects of intracardiac cardioversion for termination of sustained ventricular tachycardia in dogs with subacute myocardial infarction. ***J Am Coll Cardiol 5: 412, 1985.***
18. [Aidonidis I](#), Brachmann J, Senges J, Kuebler W. Changes in patterns of spontaneous monomorphic ventricular tachycardia preceding the onset of ventricular fibrillation. ***Eur Heart J 6: 44, 1985.***
19. [Aidonidis I](#), Brachmann J, Senges J, Kuebler W. Arrhythmogenic effects of intravenous verapamil and diltiazem in the late myocardial infarction period in conscious dogs. ***Eur Heart J 6: 3, 1985.***
20. Brachmann J, [Aidonidis I](#), Kloppe J, Mayer K, Kuebler W. Experimental findings for antiarrhythmic effects of beta-blockers: relation to changes of repolarization and refractoriness. ***IX Meeting Working Group on Cardiac Cellular Electrophysiology, Freiburg, 1985.***
21. Brachmann J, [Aidonidis I](#), Senges J, Mayer ED. Bepridil in the prevention of ventricular tachycardia induced in the late myocardial infarction period in conscious dogs: comparison with nifedipine. ***Circulation 72: 905, 1985.***
22. Brachmann J, Senges J, Rizos I, Schmitt C, [Aidonidis I](#), Kuebler W. Documented ventricular fibrillation in resuscitated patients: antiarrhythmic and electrophysiological effects of sotalol. ***III Asian Pacific Conference on Cardiac Pacing and Electrophysiology, Melbourne, 1985.***
23. Brachmann J, Schoels W, Rizos I, [Aidonidis I](#), Senges J, Kuebler W. Effect of the class III drug d-sotalol in patients with recurrent sustained ventricular tachycardia. ***X World Congress of Cardiology, 645, 1986.***
24. Beyer T, Brachmann J, [Aidonidis I](#), Rizos I, Kuebler W. Effects of d-sotalol on electrophysiological parameters in rabbit right atrial preparations: demonstration of acute class III actions. ***X World Congress of Cardiology, 125, 1986.***

25. Rizos I, Lengfelder W, [Aidonidis J](#), Senges J. Prognostic significance of ventricular fibrillation vs sustained ventricular tachycardia in patients with dilated cardiomyopathy. *Circulation* **74: 746, 1986.**
26. Brachmann J, [Aidonidis J](#), Beyer T, Senges J, Rizos I. Electropharmacology and antiarrhythmic effects of the new calcium channel blocking agent AQ-A 39 in a chronic myocardial infarction model of ventricular tachyarrhythmia: comparison to its analogue verapamil. *Circulation* **74, 681, 1986.**
27. Beyer T, [Aidonidis J](#), Brachmann J. Action of d-sotalol on electrophysiological parameters in rabbit AV nodal preparations and the mechanism by which it abolishes AV nodal reentrant tachycardia. *Circulation* **74: 1012, 1986.**
28. [Aidonidis J](#), Brachmann J, Beyer T, Senges J, Rizos I, Seller H. Major arrhythmogenic effects of lidocaine elicited by interaction between recent myocardial infarction and low sympathetic nerve activity in anesthetized dogs. *Circulation* **74: 1009, 1986.**
29. [Aidonidis J](#), Metz J, Gerstheimer F, Trautner H, Herbst M, Brachmann J. Electrophysiologic and immunohistochemical observations in a coronary artery ligation and intraluminal occlusion model of recent myocardial infarction. *Circulation* **74: 1053, 1986.**
30. Brachmann J, [Aidonidis J](#), Senges J, Kuebler W. Preventive effect of l-sotalol on reentrant myocardial infarction ventricular tachycardia in conscious dogs. *J Mol Cell Cardiol* **18: 268, 1986.**
31. Beyer T, Brachmann J, [Aidonidis J](#), Rizos I, Kuebler W. Effects of d-sotalol on electrophysiological parameters in rabbit AV nodal preparations: demonstration of class III actions. *J Mol Cell Cardiol* **18: 279, 1986.**
32. Brachmann J, [Aidonidis J](#), Senges J, Kuebler W. Bepridil in the prevention of ventricular tachycardia induced in the late myocardial infarction phase in conscious dogs: comparison with nifedipine. *J Mol Cell Cardiol* **18: 269, 1986.**
33. [Aidonidis J](#), Brachmann J, Stroobandt R, Senges J, Kuebler W. Possible relation of ventricular electrical alternans and early local epicardial fibrillation to sustained malignant ventricular tachycardia. *J Mol Cell Cardiol* **18: 146, 1986.**
34. Brachmann J, Stroobandt R, [Aidonidis J](#), Senges J, Kuebler W. Analysis of monophasic action potentials facilitates differentiation of ventricular tachyarrhythmias. *PACE* **9: 308, 1986.**
35. [Aidonidis J](#), Brachmann J, Senges J, Kuebler W. Characteristics of spontaneous early ventricular ectopy and predictive value for late inducibility of ventricular tachycardia in survivors of myocardial infarction. *X World Congress of Cardiology, Washington, 717, 1986.*

36. Brachmann J, [Aidonidis I](#), Senges J, Kuebler W. Electrophysiologic effects of the two calcium antagonist drugs prenylamine and tiapamil in recent canine myocardial infarction. **X World Congress of Cardiology, Washington, 1890, 1986.**
37. Brachmann J, [Aidonidis I](#), Senges J, Kuebler W. Effects of l-sotalol and bisoprolol on ventricular tachycardia induced in the conscious dog with subacute myocardial infarction. **X World Congress of Cardiology, Washington, 1891, 1986.**
38. [Aidonidis I](#), Brachmann J, Senges J, Kubler W. Calcium channel blockers in the prevention of reentrant ventricular tachycardia in awake dogs: comparative electrophysiologic effects of prenylamine and tiapamil. **International Symposium on Ventricular Tachycardias, Vittel, 61, 1986.**
39. Brachmann J, Senges J, Rizos I, Schmitt C, [Aidonidis I](#), Kubler W. Sotalol for the treatment of patients with documented ventricular fibrillation: electrophysiological and antiarrhythmic effects. **J Am Coll Cardiol 7: 247A, 1986.**
40. Metz J, [Aidonidis I](#), Trautner H, Brachmann J. Heart innervation after coronary occlusion: Morphological and electrophysiologic investigations. **Acta Anatomica, IIX Eur Anatom Congress, Antwerp, 258, 1987.**
41. [Aidonidis I](#), Brachmann J, Senges J, Hilbel T, Kuebler W. Evidence that ischemia contributes to local electrical alternans recorded by means of monophasic action potentials. **Eur Heart J 8: 319, 1987.**
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67. EFFECTS OF RANOLAZINE AND NICARDIPINE ON THE RELAXATION OF PRE-CONTRACTED ISOLATED RABBIT AORTIC RINGS

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