

UNIVERSITY OF MIAMI MILLER SCHOOL OF MEDICINE
Curriculum Vitae

1. Date: July 11, 2010
2. Name: Agustin Castellanos, MD, FACC, FAHA
3. Office: (305) 585-5537; Facsimile: (305) 585-5825
4. Mailing address: University of Miami Miller School of Medicine
Division of Cardiology (D-39)
P.O. Box 016960
Miami, Florida 33101

Street address: University of Miami/Jackson Memorial Medical Center
1611 NW 12th Avenue, North Wing 200
Miami, Florida 33136
5. Current Academic Rank: Professor of Medicine
6. Primary Department: Medicine – Cardiology
7. Citizenship: U.S.A

HIGHER EDUCATION

8. Institutional

Baldor Institute – Havana, Cuba	B.S.	June 1945
Johns Hopkins University Special Six-Month Pre-Med Course Baltimore, Maryland		09/45-02/46
University of Havana School of Medicine – One year (elective) Straight Medical Clerkship Havana, Cuba		1952-1953
University of Havana School of Medicine Havana, Cuba	M.D.	09/13/1953

9. Non-Institutional: NA

10. Board Certifications And Licensures

Educational Council for Foreign Medical Graduates (ECFMG) - # 27189 Miami, Florida	10-17-1961
Basic Sciences Examination # 12840 Miami, Florida	1964
Florida State Board - # ME0013541	08-30-1968

EXPERIENCE

11. Academic

a) **Postgraduate Education:**

Municipal Hospital Rotating Medical Internship Havana, Cuba	1953-1954
Municipal Hospital Residency in Medicine Havana, Cuba	1954-1955
Jackson Memorial Hospital Straight Medical Internship Miami, Florida	1961-1962

b) **Professional Experience:**

University of Miami School of Medicine Professor of Medicine	1974-Present
University of Miami/Jackson Memorial Medical Center Director, Clinical Electrophysiology	1974-Present
University of Miami/Jackson Memorial Acting Director, Pacemaker & Arrhythmia Center	1986-1987

University of Miami/Jackson Memorial Hospital Acting Director, Exercise Testing Laboratory	1987-1988
University of Miami/Jackson Memorial Hospital Acting Director, Pacemaker & Arrhythmia Center	1986-1987
Jackson Memorial Hospital Acting Director, Coronary Care Unit	1973-1974
University of Miami School of Medicine Associate Professor of Medicine	1971-1974
Miami Veterans Administration Hospital Acting Director, Division of Cardiology	1969-1970
Miami Veterans Administration Hospital Staff Physician	1967-1970
University of Miami School of Medicine Assistant Professor of Medicine	1965-1971
National Children's Cardiac Hospital Clinical Research Assistant	1964-1967
University of Miami School of Medicine Instructor in Medicine	1962-1965
Hospital Universitario Calixto Garcia Chief, Electrocardiography	1959-1960
Cuban Cardiological Society Investigator – Havana, Cuba	1957-1959
University of Havana School of Medicine Instructor in Medicine – Havana, Cuba	1955-1960
University Hospital Staff Cardiologist – Havana, Cuba	1955-1960

12. Non-academic: N/A

13. Military: N/A

	b) Professional	2-3
12.	Non-Academic	3
13.	Military	3

PUBLICATIONS

14.	Books and Book Chapters	
	a) Books	4
	b) Book Chapters	4-14B
15.	Juried Journal Articles	15-55A
16.	Other Works & Publications	
	a) Abstracts	56-98A
	b) Scientific Films	98A
17.	Other Works Accepted	99

PROFESSIONAL

18.	Funded Research Grants	99-100
19.	Editorial Responsibilities	
	a) Member Editorial Boards	100
	b) Editorial Consultant	101
20.	Professional and Honorary Organizations	
	a) National	101-102
	b) International	102-103

21.	Honors and Awards	
	a) Honors	103-104
	b) Awards	104-105
22.	Post Doctoral Fellowships	105
23.	Other Professional Activities	
	a) Visiting Professorships	106-107
	b) Invited Outside Lectureships	107-108
	c) Scientific Presentations at National & International Meetings (1954-1979)	108-128
	c) continued (1980-2003)	128-141
	d) Research Activities	142

TEACHING

24.	Teaching	
	a) Teaching Awards Received	142
	b) Teaching Responsibilities	143
25.	Teaching Specialization (See 23.)	
26.	Thesis & Dissertation Advising/ Post Doctoral Tutorial Supervision	143-144

SERVICE

27.	University Committee Member, Administrative and Clinical Responsibilities	144-145
28.	Community Activities	145-146

PUBLICATIONS

14. Books and Monographs Published

a) Books

1. Calvino JMA, Gallo S, Castellanos A Jr: **Actividad Electrica del Corazon de la Langosta ("Panulirus argus")**. Editorial J Montero, Havana, Cuba, 1949.
2. Castellanos A, Zabaleta R, Balais M: **Indice Bibliografico Pediatrico Cubano**. Editorial J Montero, Havana, Cuba, 1950.
3. Castellanos A: **Contribucion de las Derivaciones Esofagicas al Estudio de la Activacion del Ventrículo Izquierdo y de las Arritmias**. Doctoral Thesis, University of Havana School of Medicine, Havana, Cuba, September 1953.
4. Castellanos A Jr, Azan Cano L, Calvino JM, Taquechel N: **Estudio clinico y experimental de los efector producidos por los latidos ectopicos sobre los focos automaticos normales del corazon**. Editorial J Montero, Havana, Cuba, 1955.
5. Castellanos A Jr, Lemberg L: **Electrophysiology of Pacing and Cardioversion**. Appleton-Century-Crofts, New York, 1969.
6. Lemberg L, Castellanos A Jr: **Vectorcardiography - A Programmed Introduction**. Appleton-Century-Crofts, New York. First Edition 1969; Second Edition 1975.
7. Castellanos A Jr, Palacios G: **Tratamiento Moderno de las Arritmias**. Editorial Universitaria, Buenos Aires, Argentina, 1969.
8. Castellanos A Jr, Lemberg L: **A Programmed Introduction to the Electrical Axis and Action Potential**. Tampa Tracings, Oldsmar, Florida, 1974.
9. Castellanos A Jr, Myerburg RJ: **The Hemiblocks in Myocardial Infarction**. Appleton-Century-Crofts, New York, 1976.
10. Castellanos A: Editor **Cardiac Arrhythmias. Mechanisms and Management**. Cardiovascular Clinics, FA Davis Co, Philadelphia, 1980.

b) Book Chapters

1. Castellanos A Jr, Lemberg L. Post infarction conduction disturbances. In: Hoffman I, ed. **Vectorcardiography-1965**. Amsterdam: North Holland Publishing Co, 1966.

2. Castellanos A Jr, Lemberg L. The T loop in ventricular enlargements in congenital heart disease. In: Hoffman I, ed. **Vectorcardiography-1965**. Amsterdam:North-Holland Publishing Co, 1966.
3. Castellanos A Jr, Lemberg L. Nodal mechanisms with independent activation of the atria. In: Dreifus LS, Likoff W, eds. **Mechanisms and Therapy of Cardiac Arrhythmias**. New York:Grune & Stratton, 1966:419-426.
4. Castellanos A Jr, Lemberg L, Brown JP, Berkovits BV. Electrical digitalis tolerance test. In: Braunwald E, ed. **Year Book of Cardiovascular Medicine and Surgery**. Chicago: Year Book Medical Publishers Inc. 1968:433-434.
5. Castillo CA, Castellanos A. In: Sandoe E, Flensted-Jensen E, Olesen KH, eds. **Symposium on Cardiac Arrhythmias**. Elsinore, Denmark 1970. AB Astra Publishers. 1970:329-349
6. Castellanos A Jr, Spence ME. Extrasystoles. In: Conn HF, ed. **Current Therapy 1971**. Philadelphia: WB Saunders, 1971.
7. Lemberg L, Castellanos A Jr, Arcebal AG. Re-evaluation of septal activation in the human heart with special reference to the spatial orientation of the initial QRS vectors in intermittent left hemiblocks. In: Hoffman I, ed. **Vectorcardiography 2**. Amsterdam:North-Holland Publishing Co, 1971:257-263.
8. Castellanos A Jr, Chapnuoff E, Lemberg L, Portillo B. The vectorcardiogram in left posterior hemiblock. In: Hoffman I, ed. **Vectorcardiography 2**. Amsterdam:North-Holland Publishing Co, 1971:264-271.
9. Mallon SM, Tamer D, Castellanos A Jr. Digitalis-induced ST-T loop changes in infants and children. In: Hoffman I, ed. **Vectorcardiography 2**. Amsterdam:North-Holland Publishing Co, 1971:590-596.
10. Castellanos A Jr, Castillo CA, Agha AS. Mechanisms of retrograde activation of the His bundle, atria, ventricular echoes, and reciprocating tachycardias. In: Schlant RC, Hurst JW, eds. **Advances in Electrocardiography**. New York:Grune & Stratton, 1972:221-228.
11. Castellanos A Jr, Castillo CA, Martinez A, Agha AS. Pre-excitation and the Wolff-Parkinson-White syndrome. In: Schlant RC, Hurst JW, eds. **Advances in Electrocardiography**. New York:Grune & Stratton, 1972:249-258.
12. Myerburg RJ, Nilsson K, Castellanos A Jr, Gelband H. The mechanism of ventricular endocardial excitation. In: Dreifus LS, Likoff W, eds. **Cardiac Arrhythmias**. New York:Grune & Stratton, 1973:181-193.

13. Castellanos A Jr, Castillo CA, Agha AS, Myerburg RJ, Tessler MD. Mechanisms of ventricular tachycardia. In: Dreifus LS, Likoff W, eds. **Cardiac Arrhythmias**. New York:Grune & Stratton, 1973:235-243.
14. Castellanos A Jr, Agha AS, Castillo CA, Myerburg RJ. Ventricular activation in the presence of Wolff-Parkinson-White syndrome. In: Dreifus LS, Likoff W, eds. **Cardiac Arrhythmias**. New York:Grune & Stratton, 1973:457-465
15. Castellanos A, Lemberg L. Heart block. In: Conn HF, ed. **Current Therapy**. Philadelphia:WB Saunders Co, 1973:176-178.
16. Castellanos A Jr. Development of new techniques in electrocardiography: The conducting systems. Fascicular block. In: **Horizons in Cardiology 1972**. Proceedings of the Third Annual Texas Heart Institute Symposium. Houston:Sandra Joseph & Associates Publishers, 1973.
17. Castellanos A Jr. Recent advances in hemiblock theory and indications for pacemaker implantation in chronic conducting system disease. In: **Horizons in Cardiology 1972**. Proceedings of the Third Annual Texas Heart Institute Symposium. Houston:Sandra Joseph & Associates Publishers, 1973.
18. Castellanos A Jr. Ventricular arrhythmias. In: Findeiss JC, ed. **Emergency Medical Care**. New York:Intercontinental Medical Book Corp, 1974:183-188.
19. Castellanos A Jr. Electrocardiographic diagnosis of myocardial infarction and heart block. In: Findeiss JC, ed. **Emergency Medical Care**. New York:Intercontinental Medical Book Corp, 1974:189-195.
20. Castellanos A Jr. Pacemaker control of reentry tachyarrhythmias. In: Furman S, Escher DJW, eds. **Modern Cardiac Pacing. A Clinical Overview**. Charles Press Publishers Inc., Bowie, Maryland, 1975:35-39.
21. Castellanos A Jr. Acute myocardial infarction: When to pace. In: Furman S, Escher DJW, eds. **Modern Cardiac Pacing. A Clinical Overview**. Charles Press Publishers Inc., Bowie, Maryland, 1975:55-57.
22. Castellanos A, Befeler B, Agha AS, Myerburg RJ. Intracardiac electrocardiography in evaluation of the positive QRS complexes in lead VI elicited by right ventricular apical stimulation. In: Narula OS, ed. **His Bundle Eelctrocardiography and Clinical Electrophysiology**. Philadelphia:FA Davis, Co, 1975:261-273.
23. Lemberg L, Castellanos A. Artificial pacing. In: Chung EK, ed. **Cardiac Emergency Care**. First Edition. Philadelphia: Lea & Febiger, 1975.

24. Castellanos A, Lemberg L, Sung RJ, Myerburg RJ. Dynamic vectorcardiography in the evaluation of left hemiblocks. In: Hoffman I, Hamby RI, eds. **Vectorcardiography 3**. Amsterdam: North-Holland Publishing Co, 1976:99-111.
25. Castellanos A, Portillo B, Befeler B, Sung RJ, Myerburg RJ. His bundle electrovectorcardiography in Wolff-Parkinson-White syndrome and its variants. In: Hoffman I, Hamby RI, eds. **Vectorcardiography 3**. Amsterdam: North-Holland Publishing Co, 1976:113-122.
26. Myerburg RJ, Gelband H, Castellanos A Jr, Nilsson K, Bassett AL. Electrophysiology of the intraventricular specialized conducting system. In: Schlant RC, Hurst JW, eds. **Advances in Electrocardiography**. Second Edition. New York: Grune & Stratton, 1976:99-130.
27. Castellanos A, Aranda J, Befeler B, Myerburg RJ. Intraventricular reentrant tachycardias. In: Schlant RC, Hurst JW, eds. **Advances in Electrocardiography**. Second Edition. New York: Grune & Stratton, 1976:131-142.
28. Castellanos A, Befeler B, Agha AS, Myerburg RJ. Contribution of catheter electrodes to study of intraventricular conduction in the human heart: With special reference to bundle branch block, ventricular pacing, and Wolff-Parkinson-White syndrome. In: Schlant RC, Hurst JW, eds. **Advances in Electrocardiography**. Second Edition. New York: Grune & Stratton, 1976:143-169.
29. Castellanos A, Aranda J, Agha AS, Befeler B, Sung RJ, Myerburg RJ. Mechanisms of A-V conduction in ventricular pre-excitation. In: Schlant RC, Hurst JW, eds. **Advances in Electrocardiography**. Second Edition. New York: Grune & Stratton, 1976:173-197.
30. Myerburg RJ, Gelband H, Castellanos A Jr, Nilsson K, Sung RJ, Bassett AL. Electrophysiology of endocardial intraventricular conduction: The role and function of the specialized conducting system. In: Wellens HJJ, Lie KI, Janse MJ, eds. **The Conduction System of the Heart. Structure, Function and Clinical Implications**. Philadelphia: Lea & Febiger, 1976:336-359.
31. Castellanos A, Sung RJ. Ventricular arrhythmias and digitalis-induced arrhythmias. In: Sanders JH, Gardner LB, eds. **Handbook of Medical Emergencies**. Second Edition. Garden City, New York: Medical Examination Publishing Co, 1978:32-54.
32. Castellanos A, Myerburg RJ. The resting electrocardiogram. In: Hurst JW, Logue RB, Schlant RC, Wenger NK, eds. **The Heart**. Fourth Edition. New York: McGraw-Hill Book Company, 1978:298-312.
33. Conde C, Myerburg RJ, Castellanos A. Muerte subita. In: Palacios G, ed. **Actualizaciones Cardiológicas**. San Miguel de Tucuman, Argentina: Talleres Graficos Offset de Fundacion Miguel Lillo, 1979.

34. Castellanos A, Sung RJ, Myerburg RJ. Role of artificial pacing and recording in the understanding of impulse initiation in the human heart. In: Chung EK, ed. **Artificial Cardiac Pacing: Practical Approach**. Baltimore: Williams & Wilkins Co, 1979:32-55.
35. Lemberg L, Castellanos A. Indications of artificial pacing for tachyarrhythmias. In: Chung EK, ed. **Artificial Cardiac Pacing: Practical Approach**. Baltimore: Williams & Wilkins Co, 1979:173-185.
36. Castellanos A, Sung RJ, Myerburg RJ. Bidirectional tachycardia. In: Narula OS, ed. **Cardiac Arrhythmias**. Baltimore: Williams & Wilkins Co, 1979:419-435.
37. Sung RJ, Sardi EG, Castellanos A. Clinical and electrophysiological spectrum of atrial flutter-fibrillation in the Wolff-Parkinson-White syndrome. In: Narula OS, ed. **Cardiac Arrhythmias**. Baltimore: Williams & Wilkins Co, 1979:580-617.
38. Lemberg L, Castellanos A. Artificial pacing. In: Chung EK, ed. **Cardiac Emergency Care**. Second Edition. Philadelphia: Lea & Febiger, 1980:215-241.
39. Myerburg RJ, Conde C, Mayorga-Cortes A, Castellanos A. Mortality after survival from pre-hospital cardiac arrest might be influenced by the use of membrane-active antiarrhythmic drugs. In: Rapaport E, ed. **Current Controversies in Cardiovascular Disease**. Philadelphia: WB Saunders Co, 1980:351-358.
40. Castellanos A, Alatraste VM, Sung RJ. Relationship between alternating Wenckebach periods and paroxysmal block in the A-V node. In: Befeler B, ed. **Selected Topics in Cardiac Arrhythmias**. New York: Futura Publishing Co, 1980:307-321.
41. Castellanos A, Sung RJ, Myerburg RJ. Pacemakers and their arrhythmias. In: Samet P, El-Sherif N, eds. **Cardiac Pacing**. Second edition. New York: Grune & Stratton, 1980:351-373.
42. Maytin O, Sung RJ, Castellanos A, Myerburg RJ. Pacemaker-induced arrhythmias. In: Mandel WJ, ed. **Cardiac Arrhythmias: Their Mechanisms, Diagnosis, and Management**. Philadelphia: JB Lippincott Co, 1980:534-549.
43. Rozanski JJ, Castellanos A. Premature beats. In: Conn HF, ed. **Current Therapy - 1981**. Philadelphia: WB Saunders Co, 1981:171-173.
44. Castellanos A. Foreword. In: Ortiz-Vinsant M, Spence MI, eds. **Commonsense Approach to Coronary Care**. St. Louis: The CV Mosby Co, 1981.
45. Myerburg RJ, Kessler KM, Pefkaros KC, Cooper D, Kiem I, Castellanos A. Effects of antiarrhythmic agents on premature ventricular contractions and on potentially lethal arrhythmias. In: Harrison DC, ed. **Cardiac Arrhythmias. A Decade of Progress**. Boston: GK Hall Medical Publishers, 1981:751-784.

46. Juma A, Castellanos A, Myerburg RJ. Prognostic significance of the electrocardiogram in patients with coronary heart disease. In: Wellens HJJ, Kulbertus HE, eds. **What's New In Electrocardiography**. Boston: Martinus Nijhoff Publishers, 1981:1-22.
47. Castellanos A, Myerburg RJ. The resting electrocardiogram. In: Hurst HW, ed. **The Heart**. Fifth Edition. New York: McGraw-Hill Co, 1982:257-272.
48. Sung RJ, Castellanos A. Tachyarrhythmias in the Wolff-Parkinson-White syndrome. New concepts in diagnosis and treatment. In: Roskamm H, Csapo G, eds. **Disorders of Cardiac Function**. New York: Marcel Dekker Inc, 1982:103-108.
49. Conde CA, Myerburg RJ, Castellanos A. Follow-up of survivors of cardiac arrest occurring outside the hospital. In: Roskamm H, Csapo G, eds. **Disorders of Cardiac Function**. New York: Marcel Dekker Inc, 1982:119-145.
50. Myerburg RJ, Epstein K, Gaide MS, Wong SS, Castellanos A, Gelband H, Cameron JS, Bassett AL. Cellular electrophysiology in acute and healed experimental myocardial infarction. In: Greenberg HM, Dwyer EM Jr, eds. **Sudden Coronary Death**. New York: Annals of the New York Academy of Sciences, 1982:90-115.
51. Myerburg RJ, Zaman L, Luceri R, Kessler KM, Kayden D, Castellanos A. Antiarrhythmic drug therapy after myocardial infarction. In: Kulbertus HE, Wellens HJJ, eds. **The First Year After a Myocardial Infarction**. Mt. Kisco, New York: Futura Publishing Co, 1983:321-339.
52. Luceri RM, Castellanos A, Medina-Ravell V, Zaman L, Thurer RJ, Myerburg RJ. Eccentricities of DDD (AV universal) pacemakers. In: Steinbach D, ed. **Cardiac Pacing**. Darmstadt, W. Germany: Steinkopff Verlag, 1983:529-535.
53. Portillo B, Zaman L, Castellanos A. Tachycardias in which the reentry circuit includes atrioventricular bypass tracts. In: Surawicz B, Pratap Reddy C, Prystowsky E, eds. **Tachycardias**. Boston: Martinus Nijhoff Publishing, 1984:159-172.
54. Lemberg L, Castellanos A. Indications for artificial pacing of tachyarrhythmias. In: Chung EK, ed. **Artificial Cardiac Pacing. Practical Approach**. Second Edition. Baltimore: Williams & Wilkins, 1984:173-184.
55. Castellanos A, Zaman L, Luceri RM, Sung RJ. The wide spectrum of tachyarrhythmias occurring in patients with short PR intervals and narrow QRS complexes. In: Levy S, Scheinman MM, eds. **Cardiac Arrhythmias. From Diagnosis to Therapy**. Mt. Kisco, New York: Futura Publishing Co, 1984:255-277.
56. Castellanos A, Zaman L, Luceri RM, Myerburg RJ. Arrhythmias in patients with short PR intervals and narrow QRS complexes. In: Josephson ME, Wellens HJJ, eds. **Tachycardias: Mechanisms, Diagnosis, Treatment**. Philadelphia: Lea & Febiger, 1984:171-198.

57. Castellanos A, Moleiro F, Kayden D, Myerburg RJ. Evolving concepts in the electrocardiographic diagnosis of ventricular parasystole. In: Josephson ME, Wellens HJJ, eds. **Tachycardias: Mechanisms, Diagnosis, Treatment**. Philadelphia: Lea & Febiger, 1984:287-303.
58. Myerburg RJ, Zaman L, Luceri RM, Kessler KM, Estes D, Trohman R, Horgan J, Castellanos A. Clinical characteristics of sudden death: Implications for survival. In: Josephson ME, ed. **Sudden Cardiac Death**. Philadelphia: FA Davis, 1985:107-117.
59. Castellanos A, Luceri RM, Zaman L, Myerburg RJ. The value of analysis of pacemaker-induced arrhythmias in the understanding of naturally occurring rhythm disorders of the heart. In: Barold SS, ed. **Modern Cardiac Pacing**. Mt. Kisco, New York: Futura Publishing Co, 1985:515-543.
60. Berkovits B, Haffajee C, Castellanos A, Alpert J. A new pacemaker for treatment of tachycardias. In: Perez-Gomez F, ed. **Cardiac Pacing. Electrophysiology Tachyarrhythmias**. Madrid, Spain: Editorial Grouz, 1985:1409-1412.
61. Castellanos A, Myerburg RJ. The resting electrocardiogram. In: Hurst JW, ed. **The Heart**. Sixth Edition. New York: McGraw-Hill Co, 1986:206-229.
62. Castellanos A, Saoudi NS, Luceri RM, Medina-Ravell V, Myerburg RJ. Indications for permanent pacemakers in the post-myocardial infarction patient. In: Sheps DW, ed. **The Management of Post-Myocardial Infarction Patients**. New York: McGraw-Hill, 1987:185-202.
63. Castellanos A, Luceri RM, Medina-Ravell VA, Myerburg RJ. Pacemaker-induced arrhythmias. In: Mandel WJ, ed. **Cardiac Arrhythmias. Their Mechanisms, Diagnosis and Management**. Philadelphia: JB Lippincott Co, 1987:638-654.
64. Myerburg RJ, Kessler KM, Zaman L, Trohman RG, Fernandez P, Castellanos A. Factors leading to decreasing mortality among patients resuscitated from out-of-hospital cardiac arrest. In: Brugada P, Wellens HJJ, eds. **Cardiac Arrhythmias: Where To Go From Here?** Mt. Kisco, New York: Futura Publishing Co, 1987:505-525.
65. Myerburg RJ, Castellanos A. Cardiac arrest and sudden cardiac death. In: Braunwald E, ed. **Heart Disease. A Textbook of Cardiovascular Medicine**. Third Edition. Philadelphia: WB Saunders Co, 1988:742-777.
66. Myerburg RJ, Kimura S, Kozlovski PL, Bassett AL, Huikuri H, Castellanos A. Arrhythmias and the healed myocardial infarction. In: Rosen MR, Palti Y, eds. **Lethal Arrhythmias Resulting From Myocardial Ischemia and Infarction**. Boston: Kluwer Academic Publishers, 1989:229-241.

67. Castellanos A, Myerburg RJ. The resting electrocardiogram. In: Hurst JW, Schlant RC, eds. **Hurst's The Heart**. Seventh Edition. New York: McGraw-Hill, 1989:265-298.
68. Castellanos A, Fernandez P, Luceri RM, Myerburg RJ. Mechanisms of atrial tachycardias. In: Attuel P, Coumel P, Janse MJ, eds. **The Atrium Health and Disease**. Mount Kisco, New York: Futura Publishing Co, 1989:263-269.
69. Castellanos A, Moleiro F, Saoudi NC, Myerburg RJ. Parasystole. In: Zipes DP, Jalife J, eds. **Cardiac Electrophysiology. From Cell to Bedside**. New York: WB Saunders Publishing Co, 1990:619-627.
70. Myerburg RJ, Kessler KM, Interian A, Fernandez P, Kimura S, Kozlovski PL, Furukawa T, Bassett AL, Castellanos A. Clinical and experimental pathophysiology of sudden cardiac death. In: Zipes DP, Jalife J, eds. **Cardiac Electrophysiology. From Cell to Bedside**. New York: WB Saunders Publishing Co, 1990:666-678.
71. Castellanos A, Fernandez P, Myerburg RJ. Intraventricular conduction disturbances and atrioventricular block. In: Horowitz LN, ed. **Current Management of Arrhythmias**. Philadelphia: BC Decker, Inc, 1991:236-240.
72. Luceri RM, Castellanos A. Electrocardiography of dual-chamber pacemakers. In: El-Sherif N, Samet P, eds. **Cardiac Pacing and Electrophysiology**. Third Edition. Philadelphia: WB Saunders Co, 1991:599-607.
73. Luceri RM, Brownstein SL, Habal SM, Castellanos A. Device-device and drug-device interactions. In: Barold SS, Mugica J, eds. **New Perspectives in Cardiac Pacing**. Second Edition. Mt. Kisco, NY: Futura Publishing Co, 1991:527-544.
74. Myerburg RJ, Castellanos A. Cardiovascular collapse, cardiac arrest, and sudden death. In: Wilson JD, Braunwald E, Isselbacher KJ, Petersdorf RG, Martin JB, Fauci AS, Root RK, eds. **Harrison's Principles of Internal Medicine**. Twelfth Edition. New York: McGraw-Hill, Inc., 1991:237-242.
75. Castellanos A, Interian A Jr., Zaman L, Myerburg RJ. Reentrant supraventricular arrhythmias: Update. In: Fisch C, Surawicz B, eds. **Cardiac Electrophysiology and Arrhythmias**. New York: Elsevier Publishing Company, Inc, 1991:139-150.
76. Myerburg RJ, Castellanos A. Cardiac arrest and sudden cardiac death. In: Braunwald E, ed. **Heart Disease: A Textbook of Cardiovascular Medicine**. Fourth Edition. Philadelphia: WB Saunders Co, 1992:756-789.
77. Luceri RM, Brownstein SL, Habal SM, Castellanos A. Interactions entre stimulateurs, défibrillateurs et drogues. In: Mugica J, Barold S, Ripart A, eds. **La Stimulation cardiaque**. Paris: Masson, 1992:463-477.

78. Castellanos A, Kessler KM, Myerburg RJ. The resting electrocardiogram. In: Schlant RC, Alexander RW, eds. **Hurst's The Heart**. Eighth Edition. New York: McGraw-Hill Inc, 1994:321-356.
79. Myerburg RJ, Kessler KM, Castellanos A. Recognition, clinical assessment, and management of arrhythmias and conduction disturbances. In: Schlant RC, Alexander RW, eds. **Hurst's The Heart**. Eighth Edition. New York: McGraw-Hill Inc, 1994:705-758.
80. Myerburg RJ, Castellanos A. Cardiovascular collapse, cardiac arrest, and sudden death. In: Isselbacher KJ, Braunwald E, Wilson JD, Martin JB, Fauci AS, Kasper DL, eds. **Harrison's Principles of Internal Medicine**. Thirteenth Edition. New York: McGraw-Hill, Inc 1994:193-198.
81. Myerburg RJ, Kessler KM, Castellanos A. Interaction between structure and function in sudden cardiac death. In: Akhtar M, Myerburg RJ, Ruskin JN, eds. **Sudden Cardiac Death: Prevalence, Mechanisms, and Approaches to Diagnosis and Management**. Philadelphia: Williams & Wilkins 1994:32-47.
82. Castellanos A, Interian A Jr., Cox MM, Myerburg RJ. Dynamics of atrio-his conduction patterns during incremental atrial stimulation. In: Zipes DP, Jalife J, eds. **Cardiac Electrophysiology: From Cell to Bedside**. Second Edition. Philadelphia: WB Saunders Co, 1995:591-596.
83. Myerburg RJ, Kessler KM, Kimura S, Bassett AL, Cox MM, Castellanos A. Life-threatening ventricular arrhythmias: The link between epidemiology and pathophysiology*. In: Zipes DP, Jalife J, eds. **Cardiac Electrophysiology: From Cell to Bedside**. Second Edition. Philadelphia: WB Saunders Co, 1995:723-731.
84. Castellanos A, Saoudi N, Moleiro F, Myerburg RJ. Parasystole. In: Zipes DP, Jalife J, eds. **Cardiac Electrophysiology: From Cell to Bedside**. Second Edition. Philadelphia: WB Saunders Co, 1995:942-954.
85. Levy S, Paganelli F, Ricard P, Gaitanidou R, Lauribe P, Castellanos A. Les troubles du rythme de l'infarctus aigu du myocarde et leur traitement. In: Guerin F, Levy S, eds. **Infarctus du Myocarde a la Phase Aigue**. Paris: Doin Editeurs, 1995:187-197.
86. Castellanos A, Fernandez PR, Interian A Jr., Myerburg RJ. Pacemaker-induced arrhythmias. In: Mandel WJ, ed. **Cardiac Arrhythmias: Their Mechanisms, Diagnosis, and Management**. Third Edition. Philadelphia: JB Lippincott Co, 1995:1075-1093.
87. Myerburg RJ, Castellanos A. Cardiac arrest and sudden cardiac death. In: Braunwald E, ed. **Heart Disease: A Textbook of Cardiovascular Medicine**. Fifth Edition. Philadelphia: WB Saunders Co, 1997:742-779.

88. Myerburg RJ, Kessler KM, Castellanos A. In: Dunbar SB, Ellenbogen KA, Epstein AE, eds. **Epidemiology of Sudden Cardiac Death: Emerging Strategies for Risk Assessment and Control**. Chapter 2. Armonk, NY: Futura Publishing Company, Inc, 1997:29-51.
89. Myerburg RJ, Castellanos A. Cardiovascular Collapse, Cardiac Arrest, and Sudden Cardiac Death. In: Fauci AS, Braunwald E, et al, eds. **Harrison's Principles of Internal Medicine**. Fourteenth Edition. New York: McGraw-Hill, 1997:222-227.
90. Castellanos A, Kessler KM, Myerburg RJ. The Resting Electrocardiogram. In: Alexander RW, Schlant RC, Fuster E, eds. **Hurst's The Heart**. Ninth Edition. New York: McGraw-Hill, 1998: 351-358.
91. Myerburg RJ, Kessler KM, Castellanos A. Recognition, Clinical Assessment and Management of Arrhythmias and Conduction Disturbances. In: Alexander RW, Schlant RD, Fuster E, eds. **Hurst's The Heart**. Ninth Edition. New York: McGraw-Hill, 1998:873-941.
92. Mitrani RD, Myerburg RJ, Castellanos A. Cardiac Pacemakers. In: Alexander RW, Schlant RC, Fuster E, eds. **Hurst's The Heart**. Ninth Edition. New York: McGraw-Hill, 1998:1023-1055.
93. Chakko S, Castellanos A, Kessler KM, Myerburg RJ. Cardiac Arrhythmias and Conduction Disturbances. In: Stein JH, ed. **Internal Medicine**. Fifth Edition. Missouri: Mosby, Inc, 1998:131-156.
94. Castellanos A. Preface. In: Saoudi N, Schoels W, El-Sherif N, eds. **Atrial Flutter and Fibrillation: From Basic to Clinical Applications**. Armonk, New York: Futura Publishing Co., Inc, 1998.
95. Myerburg RJ, Mitrani RD, Interian A, Castellanos A. Identification of Risk of Cardiac Arrest and Sudden Cardiac Death in Athletes. In: Estes NAM, Salem DN, Want PJ, eds. **Sudden Cardiac Death in the Athlete**. Armonk, NY: Futura Publishing Co, Inc 1998:25-55.
96. Myerburg RJ, Mitrani RD, Interian A, Kloosterman M, Simmons J, Castellanos A. Definitions and epidemiology and sudden cardiac death. In: Aliot E, Clementy J, Prystowsky EN, eds. **Fighting Sudden Cardiac Death: A Worldwide Challenge**. Armonk, NY: Futura Publishing Co, Inc, 2000:3-28.
97. Myerburg RJ, Mitrani RD, Interian A, Bassett AL, Simmons J, Castellanos A. Life-threatening Ventricular Arrhythmias: The Link Between Epidemiology and Pathophysiology. In: Zipes DP, Jalife J, eds. **Cardiac Electrophysiology: From Cell to Bedside**. Third Edition. Philadelphia, Pennsylvania: WB Saunders, Co, 2000:521-530.
98. Castellanos A, Moleiro F, Myerburg RJ. Parasystole. In: Zipes DP, Jalife J, eds. **Cardiac Electrophysiology: From Cell to Bedside**. Third Edition. Philadelphia, Pennsylvania: WB Saunders, Co, 2000:692-695.

99. Castellanos A, Interian A Jr, Myerburg RJ. The Resting Electrocardiogram. In: Fuster E, Alexander RW, Schlant RC, eds. **Hurst's The Heart**. Tenth Edition. New York: McGraw-Hill, 2001:281-314.
100. Myerburg RJ, Kloosterman M, Castellanos A. Recognition, Clinical Assessment and Management of Arrhythmias and Conduction Disturbances. In: Fuster E, Alexander RW, Schlant RC, eds. **Hurst's The Heart**. Tenth Edition. New York: McGraw-Hill, 2001:797-873.
101. Mitrani RD, Myerburg RJ, Castellanos A. Cardiac Pacemakers. In: Fuster E, Alexander RW, Schlant RC, eds. **Hurst's The Heart**. Tenth Edition. New York: McGraw-Hill, 2001:963-992.
102. Myerburg RJ, Castellanos A. Cardiovascular Collapse, Cardiac Arrest, and Sudden Cardiac Death. In: Braunwald E, Fauci AS, Kasper DL, Hauser SL, Longo DL, Jameson JL, eds. **Harrison's Principles of Internal Medicine**. Fifteenth Edition. New York: McGraw-Hill, 2001:228-233.
103. Myerburg RJ, Castellanos A. Cardiac Arrest and Sudden Cardiac Death. In: Braunwald E, ed. **Heart Disease: A Textbook of Cardiovascular Medicine**. Philadelphia: WB Saunders Company, 2001:890-931.
104. Lowery M, Castellanos A, Myerburg RJ. Sudden Cardiac Death. In: Willerson JT, Wilansky S, eds. **Heart Disease in Women**. Philadelphia, Pennsylvania: Churchill Livingstone, 2002:607-612.
105. Castellanos A, Moleiro F, Lopera G, Interian A Jr. El Espectro y la Historia Natural de la Taquicardia Sinusal Inapropiada. In: Elizari MV, Chiale PA, eds. **Arritmias Cardiacas. Fundamento Celulares y Moleculares, Diagnostico y Tratamiento**. (The Spectrum and Natural History of Inappropriate Sinus Tachycardia. **Cardiac Arrhythmias. Cellular and Molecular Fundamentals, Diagnosis and Treatment**.) Second Edition. Buenos Aires, Argentina: Editorial Medical Panamericana, 2003:444-452.
106. Lopera G, Yamamura G, Castellanos A, Myerburg RJ. Epidemiologia y las Etiologias de la Muerte Subita Cardiaca. In: Elizari MV, Chiale PA, eds. **Arritmias Cardiacas. Fundamento Celulares y Moleculares, Diagnostico y Tratamiento**. (Epidemiology and The Etiology of Sudden Cardiac Death. **Cardiac Arrhythmias. Cellular and Molecular Fundamentals, Diagnosis and Treatment**.) Second Edition. Buenos Aires, Argentina: Editorial Medical Panamericana, 2003:621-639.
107. Castellanos A, Castellanos AM, Agustin W, Castellanos. In: Hurst JW, Conti CR, Fye WB, eds. **Profiles in Cardiology**. Mahwah, New Jersey: Foundation for Advances in Medicine and Science, Inc., 2003:317-319.

108. Castellanos A. Demetrio Sodi-Pallares: The Man and His Thought. In: Hurst JW, Conti CR, Fye WB, eds. **Profiles in Cardiology**. Mahwah, New Jersey: Foundation for Advances in Medicine and Science, Inc., 2003:382-384.
109. Myerburg RJ, Interian A Jr, Simmons J, Castellanos A. Sudden Cardiac Death. In: Zipes DP, Jalife J, eds. **Cardiac Electrophysiology: From Cell to Bedside**. Fourth Edition. Philadelphia, Pennsylvania: Saunders, 2004:720-731.
110. Castellanos A, Saoudi N, Moleiro F, Myerburg RJ. Parasystole. In: Zipes DP, Jalife J, eds. **Cardiac Electrophysiology: From Cell to Bedside**. Fourth Edition. Philadelphia, Pennsylvania: Saunders, 2004:739-746.
111. Myerburg RJ, Castellanos A. Cardiac Arrest and Sudden Cardiac Death. In: Zipes DP, Libby P et al, eds. **Braunwald's Heart Disease. A Textbook of Cardiovascular Medicine**. Philadelphia, Pennsylvania: Elsevier Saunders, 2004:865-908.
112. Castellanos A, Interian A Jr, Myerburg RJ. The Resting Electrocardiogram. In: Fuster V, Alexander RW, O'Rourke RA et al, eds. **Hurst's The Heart**. Eleventh Edition. McGraw-Hill, 2004:295-324.
113. Still AM, Huikuri HV, Juhani Airaksinen KE, Johani Koistinen M, Kettunen R, Hartikainen J, Mitrani RD, Castellanos A, Myerburg RJ, Pekka Raatikainen MJ. Impaired Negative Chronotropic Response to Adenosine in Patients with Inappropriate Sinus Tachycardia. *J Cardiovasc Electrophysiol*, Vol. 13, pp. 557-562, 2002. Reproduced in: Still AM, ed. **Prevalence and Characteristics of Ectopic Atrial Tachycardia and Inappropriate Sinus Tachycardia**. Acta University Oulu, 2004.
114. Castellanos A, Interian A Jr., Myerburg RJ. The Resting Electrocardiogram. In: O'Rourke RA, Fuster V, Alexander RW et al, eds. **Hurst's The Heart Manual of Cardiology**, Eleventh Edition. U.S.A.: McGraw-Hill, 2005:17-29.
115. Mitrani RD, Myerburg RJ, Castellanos A. Cardiac Pacemakers. In: O'Rourke RA, Fuster V, Alexander RW et al, eds. **Hurst's The Heart Manual of Cardiology**, Eleventh Edition. U.S.A.: McGraw-Hill, 2005:131-142.
116. Myerburg RJ, Elliott S, Rosenberg DG, Interian A Jr., *Castellanos A*. New Developments in Out-of-Hospital Cardiac Defibrillation: Evaluation of AED Strategies. In: Wang PJ et, eds. **New Arrhythmia Technologies**. Massachusetts: Blackwell Publishing, 2005:95-108.
117. Myerburg RJ, *Castellanos A*. Cardiovascular Collapse, Cardiac Arrest and Sudden Cardiac Death. In: Kasper DL, Braunwald E et al, eds. **Harrison's Principles of Internal Medicine**. Sixteenth Edition. New York: McGraw-Hill, 2005:1618-1624.
118. Myerburg RJ. *Castellanos A*. Approach to Cardiac Arrest and Life-Threatening Arrhythmias. In: Goldman L, Ausiello D, eds. **Cecil Medicine**. 23rd Edition. Philadelphia: Saunders Elsevier, 2008:401-404.

119. Myerburg RJ, *Castellanos A*. Cardiac Arrest and Sudden Cardiac Death. In: Libby P, Bonow RO, Mann DL, Zipes DP eds. **Braunwald's Heart Disease: A Textbook of Cardiovascular Medicine**. 8th Edition. Philadelphia: Saunders Elsevier, 2008:933-974.
120. Myerburg RJ, *Castellanos A*. Cardiovascular Collapse, Cardiac Arrest, and Sudden Cardiac Death. In: Fauci AS, Braunwald E et al, eds. **Harrison's PRINCIPLES OF INTERNAL MEDICINE**. 17th Edition. U.S.A.: McGraw-Hill, 2008:1707-1713.
121. *Castellanos A*, Interian A Jr., Myerburg RJ. Resting Electrocardiogram. In: Fuster V, O'Rourke RA et al, eds. **Hurst's The Heart**. 12th edition; U.S.A.: McGraw-Hill, 2008:294-323.
122. del Carpio Munoz F, Myerburg RJ., *Castellanos A*. The Resting Electrocardiogram. In: O'Rourke RA, Walsh RA, Fuster V, eds. **Hurst's the Heart Manual of Cardiology**, 12th edition; McGraw-Hill 2009:16-29.
123. Mitrani RD, Myerburg RJ, *Castellanos A*. Bradyarrhythmias and Pacing. In: O'Rourke RA, Walsh RA, Fuster V, eds. **Hurst's the Heart Manual of Cardiology**, 12th edition; McGraw-Hill 2009:147-158.
124. Myerburg RJ, *Castellanos A*. Sudden Cardiac Death. In: Zipes DP, Jalife J, eds. **Cardiac Electrophysiology: From Cell to Bedside**, 5th edition; Saunders Elsevier 2009: (77) 797-808.
125. *Castellanos A*, Myerburg RJ. Parasystole. In: Zipes DP, Jalife J, eds. **Cardiac Electrophysiology: From Cell to Bedside**, 5th edition; Saunders Elsevier 2009: (79) 817-822.
126. Myerburg RJ, *Castellanos A*. Cardiovascular Collapse, Cardiac Arrest, and Sudden Cardiac Death. In: Loscalzo J, ed. **Harrison's Pulmonary and Critical Care Medicine**, McGraw-Hill 2010: (32) 306-315.

c) **Lecture Slide Books**

1. Castellanos A Jr, Agha AS, Castillo CA: Principles of His bundle electrocardiography. Tampa Tracings, Oldsmar, Florida, 1971.
2. Castellanos A Jr, Maytin O: Pacemakers. Tampa Tracings, Oldsmar, Florida 1971.
3. Castellanos A Jr: Frontal Plane Vectorcardiography. Tampa Tracings, Oldsmar, Florida 1976.

15. Juried or Refereed Journal Articles

1953 - 1959

1. Castellanos A Jr, Sala Panisello F, Lopez Toca R, Blair AJD: Arterias coronarias supernumerarias. Rev Cuba Cardiol 14:71-80, April-June 1953.
2. Ugarriza R, Castellanos A Jr: Use of pronestyl in arrhythmias. Arch Med Cuba 4:411-422, July 1953.
3. Castellanos A Jr, Ugarriza R, Calvino JM, Azan L, Visiola A: Contribucion de las derivaciones esofagicas al estudio de la activacion del ventriculo izquierdo, con especial referencia a las hipertrofias y bloqueos de rama izquierda. Rev Cubana Cardiol 14:165-180, July-Dec 1953.
4. Castellanos A Jr, Martin Jimenez R, Ugarriza R: Utilizacion de la procaina amida en dos casos de taquicardia paroxistica supraventricular en la infancia. Rev Cuba Pediat 26:333-344, May 1954.
5. Castellanos A Jr, Lopez Toca R, Azan Cano L, Calvino JM: Taquicardia auricular con bloqueo y flutter auricular. Arch Hosp Univ (Havana, Cuba), 6:4-14, July-August 1954.
6. Calvino JM, Azan Cano L, Castellanos A Jr: Vectorcardiografia espacial: Revision y aplicacion clinica. Arch Hosp Univ 6:451, 1954.
7. Castellanos A Jr, Azan Cano L, Calvino JM: Vectorcardiografia espacial: Bloqueo de rama derecha e hipertrofia ventricular derecha. Arch Hosp Univ 6:551, 1954.
8. Castellanos A Jr., Salas Panisello F, Calvino JM, Blair JD: Alteraciones post mortem de la orejuela izquierda en 14 casos de fiebre reumatica aguda, con especial referencia a los cuerpos de Aschoff. Rev Cubana Cardiol 15:263-274, Oct-Dec 1954.
9. Azan Cano L, Castellanos A Jr, Calvino JM: Vectorcardiografia espacial: Hipertrofia ventricular izquierda y bloqueo de rama izquierda. Arch Hosp Univ 7:237, 1955.
10. Castellanos A Jr, Sala Panisello F, Blair JD, Valladares F: Variation in the origin of human coronary arteries (with special reference to accessory branches). Arch Med Inf 24:152-162, April-June 1955.
11. Calvino JM, Azan Cano L, Castellanos A Jr: Valor de las derivaciones esofagicas en las arritmias complejas. Rev Cubana Cardiol 16:293-316, Jan-March 1955.
12. Castellanos A Jr, Azan Cano L, Taquechel N: Utilizacion de acetil estrofantidina en clinica.

Rev Cubana Cardiol 16:483-504, Oct-Dec 1955.

13. Castellanos A Jr, Lopez Toca R, Azan Cano L, Calvino JM: Paroxysmal nodal tachycardia with retrograde heart block, reciprocal rhythm, and blocked reciprocal beats. *Am Heart J* 50:770-776 Nov 1955.
14. Castellanos A Jr, Azan Cano L, Calvino JM, Taquechel N: Accion de los focos ectopicos sobre los centros automaticos del corazon. *Rev Cubana Cardiol* 16:419-439, July-Sept 1955.
15. Azan Cano L, Ugarriza R, Castellanos A Jr, Taquechel N: Efectos de la methoxamina sobre las taquicardias paroxisticas supraventriculares. *Rev Cubana Cardiol* 17:163-172, July-Sept 1956.
16. Castellanos A Jr, Azan Cano L, Junco JA, Taquechel N: El vectorcardiograma normal de la infancia. *Rev Cuba Pediat* 29:351-364, July 1957.
17. Castellanos A Jr, Azan Cano L, Calvino JM, Taquechel N: Vectorcardiografia espacial con compensacion resistencial; metodo de Frank. I. Sujetos normales. *Rev Cubana Cardiol* 18:157-174, July-Dec 1957.
18. Azan Cano L, Calvino JM, Castellanos A Jr: Sistema vectorcardiografico de Frank. II. Hipertrofia ventricular izquierda y bloqueo de rama izquierda. *Rev Cubana Cardiol* 18:175-186, July-Dec 1957.
19. Calvino JM, Azan Cano L, Castellanos A Jr: Estudio vectorcardiografico de los vectores iniciales de QRS anormalmente dirigidos hacia la izquierda. *Rev Cubana Cardiol* 18:187-203, July-Dec 1957.
20. De Cardenas A, Ugarriza R, Azan Cano L, Castellanos A Jr: Efectos de la procainamida sobre la taquicardia auricular con bloqueo digitalico. *Rev Cubana Cardiol* 18:204-214, July-Dec 1957.
21. Calvino JM, Azan L, Castellanos A Jr: Paroxysmal tachycardia with 2:1 exit block. *Am Heart J* 54:444-447, Sept 1957.
22. Castellanos A Jr, Ugarriza R, De Cardenas A, Azan Cano L: Sindrome de Marfan: Reporte de seis casos en una misma familia. *Arch Hosp Univ* 9:345-376, November-December 1957.
23. Sala Panisello F, Castellanos A Jr, Junco JA, Valladares F: Medidas significativas en el corazon del prematuro. I. Re-evaluacion de un metodo eficaz para determinar el peso real de los ventriculos. *Rev Cuba Pediat* 30:19-34, January 1958.

24. Castellanos A Jr, Junco JA, Sala Panisello F: Medidas significativas en el corazon del prematuro. I. Estructura anatomica del tabique interventricular. *Rev Cuba Pediat* 30:35-50, January 1958.
25. Ugarriza R, Azan Cano L, Castellanos A Jr: Arritmias provocadas por aminas simpaticomimeticas. *Rev. Cubana Cardiol* 19:33-45 Jan-March 1958.
26. Castellanos A Jr, Azan Cano L, Corral JF, Gonzalez Puebla P, Taquechel N: Accion diuretica de la clorotiazida. *Rev Cuba Pediat* 30:171-188, April 1958.
27. Castellanos A Jr, Azan Cano L, Calvino JM: Post-extrasystolic changes in rhythmicity and conductivity during established A-V nodal tachycardia. *Cardiologia (Basel)* 32:212-219 1958.
28. De Cardenas A, Fermin Corral J, Azan Cano L, Castellanos A Jr: Accion de la clorotiazida en la insuficiencia cardiaca. *Arch Hosp Univ* 10:298-312, July-August 1958.
29. Castellanos A Jr, Junco JA, Jordan J, Azan Cano L, Taquechel N: El vectorcardiograma de T en condiciones normales en la infancia. *Arch Med Inf* 27:172-182, July-Sept 1958.
30. Azan Cano L, Castellanos A Jr, Calvino JM: Mecanismos de la disociacion con interferencia. *Rev. Cubana Cardiol* 19:163-187 July- Dec, 1958.
31. Junco JA, Hernandez Canero A, Azan Cano L, Castellanos A Jr: El vectorcardiograma en las hipertrofias ventriculares derechas de las cardiopatias congenitas. *Rev Cuba Pediat* 30:399-416, August 1958.
32. Castellanos A, Azan L, Calvino JM, Castellanos A Jr: Supraventricular tachycardia simulating ventricular paroxysmal tachycardia in infancy. *J Pediat* 53:285-291, Sept 1958.
33. Castellanos A Jr, Azan L, Calvino JM: Dissociation with interference between pacemakers located within the A-V conducting system. *Am Heart J* 56:562-569, October 1958.
34. Castellanos A Jr, Ugarriza R, Taquechel N: Efectos de la norepinefrina sobre enfermos coronarios con normotension. *Terapia Inf* 1:1-30, December 1958
35. Castellanos A Jr, Azan L, Calvino JM: Bilateral functional bundle branch block. Aberrant ventricular conduction imitating ventricular paroxysmal tachycardia. *Acta Cardiol (Brussels)* 14:77-85, January 1959.
36. Junco JA, Hernandez Canero A, Castellanos A Jr, De la Torre H, Taquechel N: Alteraciones vectorcardiograficas del complejo de repolarizacion en condiciones normales y patologicas en la infancia. *Rev Cubana Cardiol* 20:1-15, Jan-March 1959.

37. Calvino JM, Castellanos A Jr: Vectorcardiografia espacial. *Rev Cubana Cardiol* 20:50-66, Jan-March 1959.
38. Castellanos A Jr, Azan L, Junco JA, Taquechel N: The vectorcardiogram of malnourished children during the first months of life. *J Pediat* 54:330-340, March 1959.
39. Castellanos A Jr, Junco JA, Balais R, Taquechel N: Evaluation of the theoretical bases of the clinical use of precordial leads in childhood. *Rev Cuba Pediat* 31:347-360, July 1959.
40. Castellanos A Jr, Lamelas M, Muniz JC, Durand R, Manalich R: Bloqueo completo A-V con conduccion V-A intermitente. Adaptacion de la teoria electrica de propagacion de impulsos a la explicacion del fenomeno de "conduccion unidireccional" en el humano. *Rev Cubana Cardiol* 20:249- 261, July-Dec 1959.
41. Junco JA, Azan L, Calvino JM, Castellanos A Jr: Non-congenital auriculoventricular dissociation simulating complete auriculoventricular block. *Rev Cuba Pediat* 31:637-646, December 1959.

1960 - 1969

42. Azan L, De la Torre H, Junco JA, Castellanos A Jr: Semiology of the positive T wave in V1 during the first year of life. *Rev Cuba Pediat* 32:1-16, January 1960.
43. Castellanos A Jr, Azan L, Calvino JM: Simultaneous tachycardias. *Am Heart J* 59:358-373, March 1960.
44. Castellanos Sanchez A, Azan Cano L, Balais R: Evaluation of the cancellation theory of potentials considered as an exponent of the dipolar behavior of the heart. *Arch Hosp Univ* 12:65-71, March-April 1960.
45. Junco JA, Canero R, Alvarez Alegre R, Castellanos A Jr: The electrocardiogram in ventricular septal defect. A study of 95 cases. *Arch Med Inf* 29:155-163, October-December 1960.
46. Castellanos A Jr, De la Torre H, Azan L, Calvino JM: Unusual forms of heart block in infancy. *Brit Heart J* 22:713-719, Dec 1960.
47. Castellanos A Jr, Perez-Sanz T, Calvino JM: The effects of molar sodium lactate on the widened QRS complexes occasionally seen after quinidine therapy of atrial fibrillation. *Cardiologia (Basel)* 39:81- 95, Aug 1961.

48. Castellanos A Jr: The genesis of bidirectional tachycardias. *Am Heart J* 61:733-739, June 1961.
49. Castellanos A Jr, Mayer JW, Lemberg L: Intermittent parasystole with disturbances in impulse formation and impulse conduction. *Acta Cardiologica (Brussels)* 17:49-58, 1962.
50. Castellanos A Jr: False patterns of right ventricular hypertrophy in children. *Dis Chest* 41:340-341, March 1962.
51. Castellanos A Jr, Mayer JW, Lemberg L: The electrocardiogram and vectorcardiogram in Wolff-Parkinson-White syndrome associated with bundle branch block. *Am J Cardiol* 10:657-666, Nov 1962.
52. Mayer JW, Castellanos A Jr, Lemberg L: The spatial vectorcardiogram in peri-infarction block. *Am J Cardiol* 11:613-621, May 1963.
53. Castellanos A Jr, Lemberg L, Castellanos AW: The vectorcardiographic significance of upright T waves in V1 and V2 during the first months of life. *J of Pediat* 62:827-837, June 1963.
54. Castellanos A Jr, Lemberg L: The relationship between digitalis and A- V nodal tachycardia with block. *Am Heart J* 66:605-613, Nov 1963.
55. Castellanos AW, Hernandez FA, Lemberg L, Castellanos A Jr: The vectorcardiographic criteria of hemodynamical overloadings in congenital heart disease. *Cardiologia (Basel)* 44:392-407, 1964.
56. Castellanos A Jr, Gosselin A, Lemberg L, Centurion JM: Le vectorcardiogramme dans les blocks de branche bilateraux. *Arch Mal de Coeur* 57:71-81, Jan 1964.
57. Castellanos A Jr, Lemberg L, Gosselin A, Swenson JJ: Tratamiento del flutter auricular por el contrachoque de corriente directa. *Arch Inst Cardiol Mexico* 34:220-230, March-April 1964.
58. Castellanos AW, Lemberg L, Gosselin A, Castellanos A Jr: Combined ventricular enlargement during the first months of life. A vectorcardiographic study of the T loop. *Am J Cardiol* 13:767-773, June 1964.
59. Lemberg L, Castellanos A Jr, Swenson J, Gosselin A: Arrhythmias related to cardioversion. *Circulation* 30:163-170, August 1964.
60. Castellanos A Jr, Lemberg L: Disorders of rhythm appearing after implantation of

synchronized pacemaker. *Brit Heart J* 26:747-754, Nov 1964.

61. Lemberg L, Castellanos A Jr: Cardioversion. A study of 203 episodes. *J Fla Med Assn* 52:21-24, January 1965.
62. Castellanos A Jr, Lemberg L, Gosselin A: Double artificial ventricular parasystole. Iatrogenic arrhythmia for the study of excitability and conductivity in the human heart. *Cardiologia (Basel)* 47:273-284, 1965.
63. Lemberg L, Castellanos A Jr, Berkovits BV: Pacemaking on demand in A-V block. *JAMA* 191:106-108, Jan 1965.
64. Castellanos A Jr, Wonglhomgri W: Automatic rhythms produced by ectopic ventricular contractions. *Jap Heart J* 6:141-151, March 1965.
65. Halpern MM, Castellanos A Jr, Gosselin A: Bilateral bundle branch block. *Dis Chest* 47:439-440, April 1965.
66. Castellanos A Jr, Lemberg L, Gosselin A, Berkovits BV: El marcapaso por demanda, un nuevo tipo de instrumento para el tratamiento del bloqueo A-V. *Arch Inst Cardiol Mexico* 35:420-428, July-August 1965.
67. Castellanos A Jr, Lemberg L, Gilmore H III, Johnson D: Countershock exposed quinidine syncope. *Am J Med Sc* 250:254-260, Sept 1965.
68. Castellanos A Jr, Salhanick L, Lemberg L, Cohen R: The T loop in normal children. *Am J Cardiol* 16:336-341, Sept 1965.
69. Castellanos A Jr, Lemberg L, Fonseca JE: Significance of ventricular and pseudoventricular arrhythmias appearing after DC countershock. *Am Heart J* 70:583-594, Nov 1965.
70. Lemberg L, Castellanos A Jr: An artificial pacemaker responds to the electrical needs of the heart. *Medical Times*, November 1965.
71. Castellanos A Jr, Lemberg L, Sommer L, Berkovits BV: Changes in ventricular automaticity: Drug induced and exposed by intra-cardiac electrical stimulation. *Southern Medical J* 5:1517-1519, December 1965.
72. Castellanos A Jr, Johnson D, Mas I, Lemberg L: Electrical conversion of paroxysmal atrial fibrillation in the Wolff-Parkinson-White (Pre-excitation) syndrome. *Am J Cardiol* 17:91-93, Jan 1966.
73. Castellanos A Jr, Lemberg L, Johnson D, Berkovits BV: The Wedensky effect in the human

- heart. *Brit Heart J* 28:276-283, March 1966.
74. Castellanos A Jr, Lemberg L, Jude JR, Berkovits BV: Repetitive firing occurring during synchronized electrical stimulation of the heart. *J Thorac and Cardiovasc Surg* 51:334-340, March 1966.
 75. Castellanos A Jr, Johnson D, Berkovits BV: Significance of multiple responses produced by electrical depolarization of the heart. *Acta Cardiol (Brussel)* 21:157-166, 1966.
 76. Castellanos A Jr, Lemberg L, Berkovits BV: The use of the demand pacemaker in auriculoventricular conduction disturbances. *J Thorac and Cardiovasc Surg* 7:355-359, March-April 1966.
 77. Castellanos A Jr, Lemberg L, Birack H, Berkovits BV: A new instrument for automatic monitoring and tape recording in infants and children. *Bol Assn Med Puerto Rico* 58:355-359, July 1966.
 78. Castellanos A Jr, Lemberg L, Salhanick L, Gomez A: The morphology of the ST-T loop in healed myocardial infarction. *Dis Chest* 50:113-119, August 1966.
 79. Castellanos A Jr, Greer P: Tackle football in pre-high school children. *J Sports Med and Phys Fitness* 6:187-190, Sept 1966.
 80. Castellanos A Jr, Lemberg L, Ioannides G, Salhanick L: The vectorcardiogram in right bundle branch block co-existing with left ventricular focal block. *Am J Cardiol* 18:705-712, Nov 1966.
 81. Castellanos A Jr, Lemberg L, Scheib JR, Budkin A: Cardioversion of A-V nodal tachycardias. *Am J Cardiol* 18:884-887, Dec 1966.
 82. Castellanos A Jr, Lemberg L, Budkin A, Brown J Jr: Cardioversion pseudofailures. *Geriatrics* 22:167-174, January 1967.
 83. Castellanos A Jr, Lemberg L, Jude JR: Depression of artificial pacemakers by extraneous impulses. *Am Heart J* 73:24-31, Jan 1967.
 84. Castellanos A Jr, Salhanick L: Electrocardiographic patterns of procainamide cardiotoxicity. *Am J Med Sciences* 253:52-60, Jan 1967.
 85. Castellanos A Jr, Budkin A, Lemberg L: Iatrogenic escape capture bigeminy. *Brit Heart J* 29:264-267, March 1967.
 86. Castellanos A Jr, Lemberg L, Centurion MJ, Berkovits BV: Concealed digitalis-induced arrhythmias unmasked by electrical stimulation of the heart. *Am Heart J* 73:484-490, April 1967.

87. Castellanos A Jr, Lemberg L, Salhanick L: Le vectrocardiogramme dans le bloc post-infarctus. Arch Mal de Coeur 60:712-722, May 1967.
88. Castellanos A, Balais M, Salhanick L, Castellanos A Jr: Double ectopic left atrial rhythms. Dis Chest 52:87-91, July 1967.
89. Castellanos A Jr, Salhanick L, Gomez A, Richman D,: The ST-T loop in normal infants with digitalis intoxication. J of Cardiovasc Dis 4:233-239, August 1967.
90. Lemberg L, Boucek R, Castellanos A Jr, Fonseca JE: Digitalis as an indicant of ventricular disease. Dis Chest 52:490-494, Oct 1967.
91. Castellanos A Jr, Lemberg L, Brown JP Jr, Berkovits BV: An electrical digitalis tolerance test. Am J Med Sc 254:717-726, Nov 1967.
92. Castellanos A Jr, Jude JR, Lemberg L, Mobin-Uddin K: Cardioversion of drug related arrhythmias. Acta Cardiol (Brussel) 22:444-458, 1967.
93. Castellanos A Jr, Lemberg L, Gomez A, Berkovits BV: Effects of pacemaker impulses on latent arrhythmias produced by intramyocardial chemical stimulation. Cardiologia (Basel) 51:340-348, 1967.
94. Castellanos A Jr, Lemberg L, Jude JR, Mobin-Uddin K, Berkovits BV: Implantable demand pacemaker. Brit Heart J 30:29-33, Jan 1968.
95. Castellanos A Jr, Lemberg L, Salhanick L, Berkovits BV: Pacemaker vectorcardiography. Am Heart J 75:6-18, 1968.
96. Castellanos A Jr, Lemberg L, Salhanick L: Programmed vectorcardiography. The ST-T loop in the horizontal plane. Am Heart J 75:260-273, Feb 1968.
97. Castellanos A Jr: Left axis deviation is traced. Geriatric Times 2:3, March 1968.
98. Castellanos A Jr, Rodriguez-Tocker L, Berkovits BV: Atrial synchronized pacemakers arrhythmias: Revisited. Am Heart J 76:199- 208, August 1968.
99. Castellanos A Jr, Lemberg L, Centurion MJ: The mechanisms of digitalis-induced ventricular fibrillation. Dis Chest 54:221-225, Sept 1968.
100. Castellanos A Jr: Ontology of programmed instruction. (Editorial) Dis Chest 54:312 Oct. 1968.

101. Castellanos A Jr, Maytin O, Lemberg L, Castillo C: Unusual QRS complexes produced by pacemaker stimuli. *Am Heart J* 77:732-744, June 1969.
102. Castellanos A Jr, Maytin O, Arcebal AG, Lemberg L: Alternating and co-existing block in the divisions of the left bundle branch. *Dis Chest* 56:103-109, August 1969.
103. Castellanos A Jr, Maytin O, Lemberg L, Berkovits BV: Ventricular- triggered pacemaker arrhythmias. *Brit Heart J* 31:546-552, Sept 1969.
104. Castellanos A Jr, Lemberg L: Re-evaluation of septal activation in the human heart. *Am Heart J* 78:575-577, October 1969.
105. Lemberg L, Castellanos A Jr, Arcebal AG, Berkovits BV, Hernandez- Pierretti O: Systolic and diastolic pacemaker induced repetitive firing in the human heart. *J Electro* 2:353-362, 1969.
106. Castellanos A Jr, Maytin O, Lemberg L, Berkovits BV: Pacemaker induced cardiac rhythm disturbances. *Annals of the New York Academy of Sciences* 167:903-910, October 1969.
107. Castellanos A Jr, Lemberg L, Arcebal AG, Claxton BW: Post-infarction conduction disturbances: A self-teaching program. *Dis Chest* 56:421- 439, Nov 1969.
108. Maytin O, Castellanos A Jr, Castillo C, Berkovits BV: Electrofisiologia de los marcapasos sincronizados. *Arch Inst Nac Cardiol Mexico* 34:820- 844, November-December 1969.
109. Castellanos A Jr, Lemberg L, Arcebal AG: Mechanisms of slow ventricular tachycardias in acute myocardial infarction. *Dis Chest* 56:470-476, Dec 1969.

1970 - 1979

110. Castellanos A Jr, Maytin O, Arcebal AG, Lemberg L: Significance of complete right bundle-branch block with right axis deviation in absence of right ventricular hypertrophy. *Brit Heart J* 32:85-92, Jan 1970.
111. Castellanos A Jr, Lemberg L, Arcebal AG, Berkovits BV: Repetitive firing produced by pacemaker stimuli falling after the T wave. *Am J Cardiol* 25:247-251, Feb 1970.
112. Maytin O, Castillo C, Castellanos A Jr: The genesis of QRS changes produced by selective coronary arteriography. *Circulation* 41:247-255, Feb 1970.
113. Castellanos A Jr, Chapunoff E, Castillo C, Maytin O, Lemberg L: His bundle electrograms in two cases of Wolff-Parkinson-White (Pre-excitation) syndrome. *Circulation* 41:399-411, March 1970.

114. Castellanos A Jr, Spence M: Pacemaker arrhythmias in context. *Am J Cardiol* 25:372, March 1970.
115. Castellanos A Jr, Castillo C, Lemberg L, Claxton BW: His bundle electrocardiography: A programmed introduction. *Chest* 57:350-363, April 1970.
116. Castellanos A Jr, Ghafour AA, Soffer A: Digitalis-induced arrhythmias: Recognition and therapy. *Cardiovasc Therapy* 1:108-127, 1970
117. Castellanos A Jr, Spence M, Chapell D: Management of ventricular standstill. Monitor Rocom Division of Hoffman-La Roche Inc, Nutley, New Jersey, June 1970 (#2).
118. Rosenbaum MB, Corrado G, Oliveri R, Castellanos A Jr, Elizari MV: Right bundle branch block with left anterior hemiblock surgically induced in tetralogy of Fallot. *Am J Cardiol* 26:12-19, July 1970.
119. Castillo CA, Castellanos A Jr: His bundle recordings in patients with reciprocating tachycardias and Wolff-Parkinson-White syndrome. *Circulation* 42:271-285, August 1970.
120. Castellanos A Jr, Lemberg L, Arcebal AG, Berkovits BV, Claxton BW: Pacing in acute myocardial infarction : A programmed introduction. *Chest* 58:152-163, August 1970.
121. Castellanos A Jr, Ortiz JM, Pastis N, Castillo CA: The electrocardiogram in patients with pacemakers. *Prog Card Dis* 13:190- 209, Sept 1970.
122. Lemberg L, Castellanos A Jr, Arcebal AG: The use of propranolol in arrhythmias complicating acute myocardial infarction. *Am Heart J* 80:479-487, 1970.
123. Castellanos A Jr: Tratamiento del paro ventricular. *Reportes Medicos* 1:4-7, October 1970.
124. Maytin O, Castillo C, Castellanos A Jr: Electrocardiogram of the month - Marked sinus tachycardia and overdrive suppression. *Chest* 58:528- 530, Nov 1970.
125. Castillo CA, Castellanos a Jr, Berkovits BV: Use of electrical pacemakers in the management of cardiac arrhythmias. *Geriatrics* 25:117-131, November 1970.
126. Castillo CA, Castellanos A Jr: Retrograde activation of the His bundle during intermittent paired ventricular stimulation in the human heart. *Circulation* 42:1079-1092, Dec 1970.
127. Maytin O, Castillo CA, Berkovits BV, Castellanos A Jr: Diagrammatic representation of pacemaker arrhythmias. *J Electrocard* 3:251-257, 1970.

128. Iyengar R, Castellanos A Jr, Spence ME: Continuous monitoring of ambulatory patients with coronary disease. *Prog Card Dis* 13:392-404, Jan 1971.
129. Lemberg L, Castellanos A Jr, Arcebal A, Iyengar RNV: Tratamiento de las arritmias despues de un infarto miocardico agudo. *Clin Med Norteamerica*, 273-293, March 1971.
130. Lemberg L, Arcebal AG, Castellanos A Jr, Claxton BW: Cardiac drugs in the Coronary Care Unit. *Chest* 59:289-295, March 1971.
131. Castillo CA, Castellanos A Jr: Retrograde activation of the His bundle in the human heart. *Am J Cardiol* 27:264-271, March 1971.
132. Lemberg L, Castellanos A Jr, Arcebal AG, Iyengar RNV: O tratamento de arritmias resultantes de enfarte aguido de myocardio. *Con Med da America do Norte*. Guanabara Koogan Publishers, Rio de Janeiro, Brazil, Marco 1971.
133. Lemberg L, Castellanos A Jr, Arcebal AG, Iyengar RNV: The treatment of arrhythmias following acute myocardial infarction. *Medical Clin Am* 55:273-293, March 1971.
134. Castellanos A Jr, Ortiz JM, Pastis N, Castillo C: L'electrocardiogrammed des malades porteurs de stimulateurs. *Acquis Norv Pathol Card-Vasc*, 13:220-235, Mars-Avril 1971.
135. Iyengar R, Castellanos A Jr, Spence M: Rilevamento ecgrafico continuo in pazienti deambulanti affetti da coronariopatie. *Patologia Cardiovascolare*, 14:220-235, Marzo-Aprile 1971.
136. Castellanos A Jr, Ortiz JM, Pastis N, Castillo C: El electrocardiograma en los enfermos con marcapasos. *Prog Enferm Cardiovasc* 11:201-220, Marzo-Abril 1971.
137. Castillo CA, Berkovits BV, Castellanos A Jr, Lemberg L, Callard G, Jude JR: Bifocal demand pacing. *Chest* 59:360-364, April 1971.
138. Castellanos A Jr, Castillo C, Martinez A, Haiat R: Les differentes varietes de pre-excitation: leur analyse par l'enregistrement des potentiels Hisiens en rythme sinusal et sous entrainement electrosystolique auriculaire. *Coeur et Med Int* 10:275-279, Avril 1971.
139. Castillo C, Maytin O, Castellanos A Jr: His bundle recordings in atypical A-V nodal Wenckebach block during cardiac pacing. *Am J Cardiol* 27:570-576, May 1971.
140. Castellanos A Jr, Castillo CA, Agha AS, Tessler MP: His bundle electrograms in patients with short P-R intervals, narrow QRS complexes and paroxysmal tachycardias. *Circulation* 43:667-678, May 1971.

141. Chahine RA, Castellanos A Jr: Myocardial toxicity produced by desipramine overdosage. *Chest* 59:566-568, May 1971.
142. Castellanos A Jr, Lemberg L: Diagnosis of isolated and combined block in the bundle branches and the divisions of the left branch. *Circulation* 43:971-976, June 1971.
143. Maytin O, Castillo CA, Castellanos A Jr: Complete V-A block (without impairment of forward conduction) produced by propranolol. *Am J Cardiol* 27:687-689, June 1971.
144. Castellanos A Jr, Castillo C, Myerburg R: Bipolar coronary sinus lead for left atrial and left ventricular recording. *Am Heart J* 81:832- 836, June 1971.
145. Castellanos A Jr, Berkovits BV, Fox R: QRS-triggered pacemaker and arrhythmias related to early systolic stimulation. *Annales de Card et D'angeiol* 20:485-490, Jul-Aout 1971.
146. Iyengar R, Castellanos A Jr, Spence M: Control continuo de los pacientes afectos de una coronariopatia. *Prog Enferm Cardiovasc*, 11:419-431, Julio-Agosto 1971. Barcelona, Spain.
147. Castillo CA, Castellanos A Jr, Agha AS, Myerburg R: Significance of His bundle recordings with short H-V intervals. *Chest* 60:142-150, August 1971.
148. Castellanos A Jr: Diagnosis of left anterior hemiblock and left posterior hemiblock in the presence of inferior wall myocardial infarction. *Bull New York Acad Med* 47:923-930, Aug 1971.
149. Castellanos A Jr: Ventricular arrhythmias. *Emergency Medicine* 3:160- 161, September 1971.
150. Lemberg L, Castellanos A Jr, Arcebal AG: The vectorcardiogram in acute left anterior hemiblock. *Am J Cardiol* 28:483-489, Oct 1971.
151. Castellanos A Jr, Castillo CA, Agha AS: Contribution of His bundle recordings to the understanding of clinical arrhythmias. *Am J Cardiol* 28:499-508, Nov 1971.
152. Castellanos A Jr, Chahine RA, Chapunoff E, Gomez J, Portillo B: Diagnosis of left anterior hemiblock in the presence of inferior wall myocardial infarction. *Chest* 60:543-551, Dec 1971.
153. Haiat R, Worthington FX, Castellanos A Jr, Lemberg L: Unusual normalization of the electrocardiogram on the sixth day of myocardial infarction. *J Electrocard* 4:363-368, 1971.
154. Castellanos A Jr, Zuckerman W, Berkovits BV: Cardiac pacemakers. *Cardiovascular Clinics* 3:31-44 FA Davis Co, Philadelphia, 1971.

155. Arcebal AG, Berkovits BV, Castellanos A Jr, Castillo C, Claxton BW, Lemberg L: A self-teaching program. Published by the American College of Chest Physicians, Chicago, Illinois, 1971.
156. Castellanos A Jr, Spence MI, Chapell DE: Hemiblock and bundle branch block: A nursing approach. *Heart & Lung* 1:36-43, Jan-Feb 1972.
157. Castellanos A Jr, Castillo CA: His bundle recording in right bundle branch block coexisting with iatrogenic right ventricular pre-excitation. *Brit Heart J* 34:153-159, Feb 1972.
158. Castellanos A Jr, Chapunoff E, Castillo CA, Arcebal AG, Lemberg L: The vectorcardiogram in left posterior hemiblock associated with inferior wall myocardial infarction. *Chest* 61:221-227, March 1972.
159. Castellanos A Jr: The manufacturer and the physician: The brave new world of intracardiac pacing. *Chest* 61:409-411, June 1972.
160. Lemberg L, Arcebal AG, Castellanos A Jr, Slavin D: Use of alprenolol in acute cardiac arrhythmias. *Am J Cardiol* 30:77-80, July 1972.
161. Castellanos A Jr, O'Brien H, Castillo CA, Myerburg RJ, Befeler B: Contribution of His bundle recordings to analysis of abnormal beats with right bundle branch block - superior axis pattern. *Brit Heart J* 34:795-799, August 1972.
162. Agha AS, Castillo CA, Castellanos A Jr, Myerburg RJ, Tessler MP: Supernormal conduction in the human atria. *Circulation* 46:522-527, Sept 1972.
163. Castellanos A Jr, Agha AS, Portillo B, Myerburg RJ: Usefulness of vectorcardiography combined with His bundle recordings and cardiac pacing in evaluation of the pre-excitation (Wolff-Parkinson-White) syndrome. *Am J Cardiol* 30:623-628, Nov 1972.
164. Castellanos A, Agha AS, Castillo CA, Tessler MP: Functional properties of the human atrioventricular and intraventricular conduction system during premature atrial stimulation. *Cardiovasc Res* 6:716-724, Nov 1972.
165. Castellanos A Jr, Iyengar R, Agha AS, Castillo CA: Wenckebach phenomenon within the atria. *Brit Heart J* 34:1121-1126, Nov 1972.
166. Castellanos A Jr, Castillo CA, Cunha D, Myerburg RJ: Value of His bundle recordings in the evaluation of the pre-excitation (Wolff-Parkinson-White) syndrome. *Koninkl Nederl Academie Van Wetenschappen- Amsterdam Proceedings Series C* 75:402-421, 1972.

167. Befeler B, Gomez J, Agha AS, Castellanos A Jr, Myerburg RJ: Changes in the pattern of old inferior wall myocardial infarction produced by acute left bundle branch block and hemiblock. *Chest* 63:18-22, Jan 1973.
168. Castellanos A Jr, Palacios G, Lemberg L: Marcapasos (Ensenanza Programada). *Rev Fed Argentina Cardiologia* 3:65-86, Jan-Dec 1973.
169. Cohen M, Castellanos A Jr: Accelerated A-V junctional rhythms. *Cardiovascular Clinics* 5:99-102, 1973.
170. Agha AS, Castellanos A Jr, Wells D, Ross MD, Befeler B, Myerburg RJ: Type I, Type II, and Type III gaps in bundle-branch conduction. *Circulation* 47:325-330, Feb 1973.
171. Castellanos A, Agha AS, Befeler B, Castillo CA, Berkovits BV: A study of arrival of excitation at selected ventricular sites during human bundle branch block using close bipolar catheter electrodes. *Chest* 63:208-213, Feb 1973.
172. Castellanos A Jr: ECG pattern called MI sign in paced patients. *Clin Trends in Cardiol* 3:7, March-april 1973.
173. Myerburg RJ, Nilsson K, Befeler B, Castellanos A Jr, Gelband H: Transverse spread and longitudinal dissociation in the distal A-V conducting system. *J Clin Investigation* 52:885-895, April 1973.
174. Berkovits B, Castellanos A Jr: L'entrainement electrosystolique bifocal a la demande. *Coeur et Medecine Interne* 12:299-305, Avril 1973.
175. Wells DE, Befeler B, Winkler JB, Myerburg RJ, Castellanos A Jr, Castillo CA: A simplified method for left heart catheterization including coronary arteriography. *Chest* 63:959-962, June 1973.
176. Castellanos A, Lemberg L: Pacemaker arrhythmias and electrocardiographic recognition of pacemakers. *Circulation* 47:1382- 1391, June 1973.
177. Castillo CA, Castellanos A Jr, Befeler B, Myerburg RJ, Agha AS, Vagueiro MC: Arrival of excitation at right ventricular apical endocardium in Wolff-Parkinson-White syndrome Type A, with and without right bundle-branch block. *Brit Heart J* 35:594-600, June 1973.
178. Castellanos A Jr, Ghafour AS, Pastis N, Myerburg RJ, Berkovits BV: The electrocardiogram and vectorcardiogram of ectopic ventricular beats. *Acta Cardiologica (Brussels)* 28:562-575, 1973.

179. Castellanos A Jr, Castillo CA, Agha AS, Befeler B, Myerburg RJ: Functional properties of accessory AV pathways during premature atrial stimulation. *Brit Heart J* 35:578-584, June 1973.
180. Befeler B, Ross MD, Wells DE, Castellanos A Jr, Myerburg RJ: Case report: Angina pectoris induced by dumping syndrome in idiopathic hypertrophic subaortic stenosis. *Am J Med Sciences* 266:67-73, July 1973.
181. Castellanos A Jr, Myerburg RJ, Craparo K, Befeler B, Agha AS: Factors regulating ventricular rates during atrial flutter and fibrillation in pre-excitation (Wolff-Parkinson-White) syndrome. *Brit Heart J* 35:811-816, August 1973.
182. Castellanos A Jr, Befeler B, Myerburg RJ, Castillo CA, Agha AS, Vagueiro MC: Functional properties of the ventricular muscle and distal conducting system during right ventricular stimulation. *European J Card* 1:41-48, 1973.
183. Befeler B, Castellanos A, Castillo CA, Agha AS, Vagueiro MC, Myerburg RJ: Arrival of excitation at the right ventricular apical endocardium in Wolff-Parkinson-White syndrome, Type B. *Circulation* 48:655-660, Sept 1973.
184. Castellanos A Jr, Zoble R, Procacci PM, Myerburg RJ, Berkovits BV: St-qR pattern: New sign for diagnosis of anterior myocardial infarction during right ventricular pacing. *Brit Heart J* 35:1161-1165, Nov 1973.
185. Levy S, Castellanos A, Arcebal AG, Lemberg L: Right bundle branch block in acute myocardial infarction: prognostic importance of the degree of heart failure. *Heart & Lung* 2:870-874, Nov-Dec 1973.
186. Castellanos A Jr, Lemberg L, Claxton BW: Wolff-Parkinson-White syndrome: Generalities. *Chest* 65:307-322, March 1974.
187. Castellanos A, Sung RJ, Cunha D, Myerburg RJ: His bundle recordings in paroxysmal atrioventricular block produced by carotid sinus massage. *Brit Heart J* 36:487-491, May 1974.
188. Castellanos A, Befeler B, Myerburg RJ: Pseudo AV block produced by concealed extrasystoles arising below the bifurcation of the His bundle. *Brit Heart J* 36:457-461, May 1974.
189. Castellanos A Jr, Levy S: Mecanisme electrophysiologique de l'ischemie electrique, de la lesion electrique et de la necrose electrique: un enseignement programme. *Coeur et Medecine Interne* 13:391-403, July 1974.

190. Castellanos A, Lemberg L: Pacemakers in relationship to disturbances of conduction. Self-Assessment. Clinical Cardiology, Gordon MS, ed. Year Book Medical Publishers Inc, Chicago, 1974, pp 104-106.
191. Castellanos A: Intraventricular conduction disturbances. Self-Assessment. Clinical Cardiology, Gordon MS, ed. Year Book Medical Publishers Inc, Chicago, 1974, pp 173-174.
192. Castellanos A, Portillo B, Vinsant MO, Lemberg L, Myerburg RJ: Difficulties in the diagnosis of "pure" left posterior hemiblock (without right bundle branch block) in acute myocardial infarction. Heart & Lung 3:626-633, July-Aug 1974.
193. Castellanos A, Berkovits BV, Castillo CA, Befeler B: Sextapolar catheter electrode for temporary sequential atrioventricular pacing. Cardiovasc Res 8:712-714, Sept 1974.
194. Castellanos A, Azan L, Bierfield J, Myerburg RJ: Digitalis-induced accelerated idioventricular rhythms: Revisited. Heart & Lung 4:104-110, Jan-Feb 1975.
195. Moleiro F, Aranda J, Befeler B, Embi A, Castellanos A Jr: Enfermedad del nodo sinusal. Presentacion de un caso con estudio del electrograma del haz de His. Acta Med Venezolana 22:29-34, Jan-March 1975.
196. Castellanos A, Levy S, Befeler B, Myerburg RJ: Mechanisms determining the ventricular rate in Wolff-Parkinson-White arrhythmias. Adv Cardiol 14:221-232, 1975.
197. Befeler B, Castellanos A Jr, Wells DE, Vagueiro MC, Yeh BK: Electrophysiologic effects of the antiarrhythmic agent disopyramide phosphate. Am J Cardiol 35:282-287, Feb 1975.
198. Castellanos A, Vagueiro MC, Befeler B, Myerburg RJ: Syndrome of short P-R, narrow QRS and repetitive supraventricular tachyarrhythmias: the possible occurrence of the R-on-T phenomenon and the limits of this syndrome. Euro J Card 2/3:337-342, 1975.
199. Castellanos A Jr, Agha AS, Befeler B, Myerburg RJ: Measurement of conduction times with catheter electrodes during pacing from different ventricular sites. Brit Heart J 37:242-248, March 1975.
200. Castellanos A, Moleiro F, Myerburg RJ, Agha AS, Befeler B: Fenomeno de "Brecha" en la conduccion por las ramas del haz de His. Arch Inst Card Mexico 45:307-318, May-June 1975.
201. Befeler B, Wells DE, Machado H, Thurer RJ, Castellanos A Jr, Myerburg RJ: Intercoronary steal syndrome resulting from aortocoronary bypass surgery. Am Heart J 89:633-637, May 1975.

202. Castellanos A, Khuddus SA, Sommer LS, Sung RJ, Myerburg RJ: His bundle recordings in bradycardia-dependent AV block induced by premature beats. *Brit Heart J* 37:570-575, June 1975.
203. Castellanos A, Agha AS, Befeler B, Myerburg RJ: Double accessory pathways in Wolff-Parkinson-White syndrome. *Circulation* 51:1020-1025, June 1975.
204. Castellanos A Jr, Moleiro F, Lemberg L, Berkovits BV: Electrofisiologia de los marcapasos por demanda. *Arch Inst Card Mexico* 45:435-444, July- August 1975.
205. Aranda JM, Moleiro F, Castellanos A, Befeler B: Electrophysiologic studies in a patient with atrial flutter and 1:1 A-V conduction. *Chest* 68:200-204, August 1975.
206. Castellanos A Jr, Myerburg RJ: Repetitive supraventricular tachycardias in context. (Editorial) *Am Heart J* 90:131-133, August 1975.
207. Castellanos A, Sung RJ, Mayorga-Cortes A, Myerburg RJ: Double ectopic accelerated ventricular and nonaccelerated ventricular or supraventricular rhythms. *Europ J Cardiol* 3:153-156, 1975.
208. Castellanos A Jr, Lemberg L, Berkovits B, Claxton BW: Didactic vectorcardiography: General concepts. *Heart & Lung* 4:697-723, Sept- Oct 1975.
209. Castellanos A, Beltran-Baguena M, Befeler B, Agha AS, Myerburg RJ: Valor de los registros intracavitarios en la evaluacion de los complejos QRS positivos en V1 provocados por la estimulacion del ventriculo derecho. *Arch Inst Card Mexico* 45:655-667, Sept-Oct, 1975.
210. Aranda JM, Befeler B, Castellanos A Jr, El-Sherif N: Reviews in Cardiology: His bundle electrocardiography. *Bull Puerto Rico Med Assn* 67:294-303, October 1975.
211. Aranda JM, Moleiro F, Castellanos A, Befeler B: Atrioventricular block after reciprocating atrioventricular junctional tachycardia. *Am J Cardiol* 36:807-809, Nov 1975.
212. Castellanos A, Sung RJ, Myerburg RJ: Intraventricular dissociation due to complete intraventricular block. *Chest* 68:833-834, Dec 1975.
213. Sung RJ, Tamer DM, Agha AS, Castellanos A, Myerburg RJ, Gelband H: Etiology of the electrocardiographic pattern of "incomplete right bundle branch block" in atrial septal defect: An electrophysiologic study. *J Pedi* 87:1182-1186, Dec 1975.
214. Levy S, Castellanos A Jr, Arcebal A, Lemberg L: Le bloc de branche droit avec hemiblock gauche a la phase aigue de l'infarctus du myocarde. *Arch Mal Coeur* 68:497-504, 1975.

- 215 Myerburg RJ, Ghahramani A, Mallon SM, Castellanos A Jr, Kaiser G: Coronary revascularization in patients surviving unexpected ventricular fibrillation. *Circulation Suppl* III:51 & 52:219-220, Dec 1975.
- 216 Aranda JM, Castellanos A, Moleiro F, Befeler B: Effects of the pacing site on A-H conduction and refractoriness in patients with short P-R intervals. *Circulation* 53:33-39, January 1976.
- 217 Befeler B, Castellanos A, Aranda JM, Gutierrez R, Lazzara R: Intermittent bundle-branch block in patients with accessory atrio-His or atrio-AV nodal pathways. *Brit Heart J* 38:173-179, Feb 1976.
- 218 Castellanos A, Embi A, Aranda JM, Befeler B: Retrograde His bundle deflection in bundle-branch reentry. *Brit Heart J* 38:301-303, March 1976.
- 219 Castellanos A, Aranda JM, Gutierrez R, Befeler B: Effects of pacing site on QRS morphology in Wolff-Parkinson-White syndrome. With special reference to "pseudo-tachycardia-dependent block in accessory pathway" and "atrial gap". *Brit Heart J* 38:363-368, April 1976.
- 220 El-Sherif N, Myerburg RJ, Scherlag BJ, Befeler B, Aranda JM, Castellanos A, Lazzara R: Electrocardiographic antecedents of primary ventricular fibrillation. Value of the R-on-T phenomenon in myocardial infarction. *Brit Heart J* 38:415-422, April 1976.
- 221 El-Sherif N, Befeler B, Aranda JM, Castellanos A, Lazzara R: Re-entry due to manifest and concealed His bundle ectopic systoles. *Circulation* 53:902-908, May 1976.
- 222 Aranda JM, Befeler B, Castellanos A Jr: Indications for His bundle recordings in the clinical practice of cardiology. *Bull Puerto Rico Med Assn* 68:102-107, May 1976.
- 223 Castellanos A, Mayorga-Cortes A, Sung RJ, Myerburg RJ: Intermittent pseudocomplete A-V block due to A-V dissociation in presence of 2:1 A- V block. *Heart & Lung* 5:462-464, May-June 1976.
- 224 Aranda JM, Befeler B, El-Sherif N, Castellanos A, Lazzara R: Mitral valve prolapse. Recent concepts and observation. *Am J Medicine* 60:997-1004, June 1976.
- 225 Agha AS, Befeler B, Castellanos AM, Sung RJ, Castillo CA, Myerburg RJ, Castellanos A: Bipolar catheter electrograms for study of retrograde atrial activation pattern in patients without pre-excitation syndromes. *Brit Heart J* 38:641-645, June 1976.
- 226 Sung RJ, Castellanos A, Gelband H, Myerburg RJ: Mechanism of reciprocating tachycardia initiated during sinus rhythm in concealed Wolff-Parkinson-White syndrome. Report of a case. *Circulation* 54:338-344, August 1976.

- 227 Aranda JM, Befeler B, Castellanos A, Myerburg RJ: His bundle recordings in the clinical evaluation of patients with conduction disturbances. *J Fla Med Assn* 63:695-701, September.
- 228 Befeler B, Castellanos A: His bundle studies and pacemakers. Self- Assessment. *Clinical Cardiology* - 2. Gordon MS, ed. Year Book Medical Publishers Inc, Chicago, 1976, pp 88-90.
- 229 Castellanos A, Sung RJ, Castillo CA, Agha AS, Befeler B, Myerburg RJ: His bundle recordings in diagnosis of impulse formation in Kent and Mahaim tracts. *Brit Heart J* 38:846-847, Nov 1976.
- 230 Castellanos A Jr, Portillo B, Lemberg L, Myerburg RJ: Diagnostic de l'hémibloc postérieur gauche à la phase aiguë de l'infarctus du myocarde. *Coeur et Med Int* 16:493-502, Nov-Dec 1977.
- 231 Aranda JM, Befeler B, Castellanos A Jr, El-Sherif N: His bundle recordings: Their contribution to the understanding of human electrophysiology. *Heart & Lung* 5:907-917, Nov-Dec 1976.
- 232 Castellanos A, Sung RJ, Ghahramani A, Myerburg RJ: The retrograde His bundle deflection: its recognition and value in the analysis of tachyarrhythmias induced by stimulation on the T wave. *Euro J Cardiol* 4/3:295-302, 1976.
- 233 Castellanos A, Aranda JM, Moleiro F, Mallon SM, Befeler B: Effects of the pacing site in sinus node reentrant tachycardia. *J Electrocard* 9:165-169, 1976.
- 234 Sung RJ, Gelband H, Myerburg RJ, Castellanos A, Tamer DM: The R-on-T phenomenon during supraventricular tachycardia in childhood. *J Electrocard* 9:171-174, 1976.
- 235 Sung RJ, Mallon SM, Castellanos A Jr, Myerburg RJ: Propagated responses produced by pacemaker stimuli falling within the QRS complex. *Europ J Card* 4:439-445, Dec 1976.
- 236 Castellanos A, Sung RJ, Befeler B, Mayorga-Cortes A, Conde C, Mallon SM, Myerburg RJ: Intermittent AV conduction disturbances in patients with AV nodal bypass tracts. Possible mechanisms of unusual variant of tachycardia-bradycardia syndrome. *Brit Heart J* 39:38-43, Jan 1977.
- 237 Sheps DS, Ernst JC, Briese FR, Lopez LV, Conde CA, Castellanos A, Myerburg RJ: Decreased frequency of exercise-induced ventricular ectopic activity in the second of two consecutive treadmill tests. *Circulation* 55:892-895, June 1977.
- 238 Sung RJ, Castellanos A, Mallon SM, Gelband H, Mendoza I, Myerburg RJ: Mode of initiation of reciprocating tachycardia during programmed ventricular stimulation in the Wolff-Parkinson-White syndrome. *Am J Cardiol* 40:24-31, July 1977.

- 239 Castellanos A, Agha AS, Mendoza IJ, Sung RJ: Evaluation of intracardiac recordings in diagnosis of impulse formation and concealed conduction in atrioventricular nodal bypass tracts. *Brit Heart J* 39:726-732, July 1977.
- 240 Sung RJ, Ferrer P, Garcia OL, Castellanos A, Gelband H: Atrioventricular reciprocal rhythm and chronic reciprocating tachycardia in a newborn infant with concealed Wolff-Parkinson-White syndrome. *Brit Heart J* 39:810-814, July 1977.
- 241 Castellanos A, Sung RJ, Mallon SM, Ghahramani A, Moleiro F, Myerburg RJ: His bundle electrocardiography in manifest and concealed right bundle branch extrasystoles. *Am Heart J* 94:307-315, Sept 1977.
- 242 Sung RJ, Castellanos A, Mallon SM, Bloom MG, Gelband H, Myerburg RJ: Mechanisms of spontaneous alternation between reciprocating tachycardia and atrial flutter-fibrillation in the Wolff-Parkinson-White syndrome. *Circulation* 56:409-416, Sept 1977.
- 243 Myerburg RJ, Sung RJ, Gerstenblith G, Mallon SM, Castellanos A Jr: Ventricular ectopic activity after premature atrial beats in acute myocardial infarction. *Brit Heart J* 39:1033-1037, Sept 1977.
- 244 Castellanos A, Sung RJ, Mendoza IJ, Mallon SM, Myerburg RJ: Pseudo bundle branch block produced by premature impulses arising in the bundle branches. *Am J Cardiol* 40:641-646, October 1977.
- 245 Castellanos A, Sung RJ, Richter S, Myerburg RJ: XYZ electrocardiography: Correlation with conventional 12-lead electrocardiogram. *Cardiovasc Clinics* 8/3:285-299, 1977.
- 246 Sung RJ, Gelband H, Castellanos A, Aranda JM, Myerburg RJ: Clinical and electrophysiologic observations in patients with concealed accessory atrioventricular bypass tracts. *Am J Cardiol* 40:839-847, Dec 1977.
- 247 Castellanos A, Sung RJ, Aldrich JL, Mendoza IJ, Myerburg RJ: Alternating Wenckebach periods occurring in the atria, His-Purkinje system, ventricles and Kent bundle. *Am J Cardiol* 40:853-859, Dec 1977.
- 248 Castellanos A, Levy S, Arcebal AG, Mayorga-Cortes A, Lemberg L: Prognosis and rate dependency of "complete" left bundle branch block coexisting with acute transmural inferior wall myocardial infarction. *Heart & Lung* 6:981-987, Nov-Dec 1977.
- 249 Myerburg RJ, Briese FW, Conde C, Mallon SM, Liberthson RR, Castellanos A Jr: Long-term antiarrhythmic therapy in survivors of prehospital cardiac arrest. Initial 18 months' experience. *JAMA* 238:2621-2624, December 1977.

- 250 Castellanos A, Sung RJ, Aldrich JL, Maxwell M, Myerburg RJ: Electrocardiographic manifestations and clinical significance of atrioventricular nodal alternating Wenckebach periods. *Chest* 73:69-74, January 1978.
- 251 Myerburg RJ, Gelband H, Nilsson K, Castellanos A, Morales AR, Bassett AL: The role of canine superficial ventricular muscle fibers in endocardial impulse distribution. *Circ Res* 42:27-35, January 1978.
- 252 Portillo B, Sung RJ, Castellanos A: Body surface and intracardiac recordings in a patient with Wolff-Parkinson-White syndrome (type A) with complete infra-His bundle block. *Chest* 73:219-221, Feb 1978.
- 253 Castellanos A, Sung RJ, Mallon SM, Bloom MG, Myerburg RJ: Effects of proximal intra-atrial Wenckebach on distal atrioventricular nodal, and His-Purkinje, block. *Am Heart J* 95:228-234, 1978.
- 254 Sung RJ, Castellanos A, Thurer RJ, Myerburg RJ: Partial pacemaker recycling of implanted QRS-inhibited pulse generators. *PACE* 1:189-195, April-June 1978.
- 255 Mendoza LJ, Sung RJ, Mallon SM, Castellanos A, Myerburg RJ: Multiple intracardiac recordings in evaluation of patterns occurring during attempted His bundle pacing in man. *Am J Cardiol* 41:1068-1074, May 1978.
- 256 Castellanos A, Moleiro F, Sung RJ, Myerburg RJ: Second degree His-Purkinje block during His bundle pacing. *Am J Cardiol* 41:1110-1114, May 1978.
- 257 Rozanski JJ, Meller J, Kleinfeld M, Castellanos A, Kupersmith J: Nonmechanical ST-segment alternans in Prinzmetal's angina. *Ann Int Med* 89:76-77, July 1978.
- 258 Sung RJ, Styperek JL, Myerburg RJ, Castellanos A: Initiation of two distinct forms of atrioventricular nodal reentrant tachycardia during programmed ventricular stimulation in man. *Am J Cardiol* 42:404-415, September 1978.
- 259 Castellanos A, Sung RJ, Berkovits BV, Alatrieste VM, Myerburg RJ: His bundle recordings in atrioventricular nodal alternating Wenckebach periods ending in 5:1 atrioventricular block coexisting with paroxysmal atrioventricular nodal block. *Chest* 74:274-279, Sept 1978.
- 260 Garcia OL, Castellanos A, Sung RJ, Gelband H: Exposure of concealed right bundle branch block in Wolff-Parkinson-White type B by pacing from the vicinity of the A-V node. *Am Heart J* 96:662-668, Nov 1978.
- 261 Sung RJ, Castellanos A: A-V nodal reentrant tachycardia vs accelerated A-V junctional rhythm in acute inferior myocardial infarction. *Chest* 74:570-571, November 1978.

- 262 van Cleve RB, Sung RJ, Maytin O, Castellanos A: Notes on ventricular tachycardia occurring during magnet waving and on the function of the Omni-Ectacor pacemaker. *Europ J Cardiol* 8/4-5:543-551, Nov 1978.
- 263 Levy S, Gerard R, Castellanos A Jr, Ghahramani A, Sommer LS: Pure left anterior hemiblock: hemodynamic and arteriographic aspects in patients with coronary artery disease. *Europ J Cardiol* 8/4-5:553-563, Nov 1978.
- 264 Sung RJ, Myerburg RJ, Castellanos A: Electrophysiological demonstration of concealed conduction in the human atrium. *Circulation* 58:940-946, November 1978.
- 265 Castellanos A, Bloom MG, Sung RJ, Rozanski JJ, Myerburg RJ: Mode of operation induced by rapid external chest wall stimulation in patients with normally functioning QRS-inhibited (VVI) pacemakers. *PACE* 2:2- 10, January 1979.
- 266 Waxman HL, Castellanos A: Common errors in electrocardiographic diagnosis. *Practical Cardiol* 5:25-47, February 1979.
- 267 Waxman HL, Castellanos A: Recent concepts in atrioventricular and fascicular block. *Herz* 4:12-20, 1979.
- 268 Castellanos A, Sung RJ, Myerburg RJ: His bundle electrocardiography in digitalis-induced "atrioventricular junctional" Wenckebach periods with irregular H-H intervals. *Am J Cardiol* 43:653-656, March 1979.
- 269 Castellanos A, Sung RJ: Scientific applications of science fiction according to general system theory. *Acta Cardiologica (Brussels)* 34:279-281, 1979.
- 270 Levy S, Gerard R, Castellanos A, Ghahramani AR, Sommer LS: Transient left anterior hemiblock during angina pectoris: coronarographic aspects and clinical significance. *Europ J Cardiol* 9/3:215-225, March 1979.
- 271 Waxman HL, Lazzara R, Castellanos A, El-Sherif N: Ventricular pacing from the middle cardiac vein mimicking supraventricular morphology. *PACE* 2:203-207, March 1979.
- 272 Castellanos A, Myerburg RJ: Diagnosis and management of conduction disturbances in patients with acute myocardial infarction. *Weekly Update: Cardiology* 1 No. 15:2-8, 1979.
- 273 Myerburg RJ, Castellanos A: The diagnosis and management of patients with prolonged Q-T intervals. *Weekly Update: Cardiology* 1 No. 19:2-8, 1979.

- 274 Castellanos A, Sung RJ: Contributions of general system theory to the understanding of the scientific applications of science fiction. (Editorial) *Bol Assn Med Puerto Rico* 71:114-116, March 1979.
- 275 Myerburg RJ, Conde C, Sheps DS, Appel RA, Kiem I, Sung RJ: Antiarrhythmic drug therapy in survivors of prehospital cardiac arrest: Comparison of effects on chronic ventricular arrhythmias and recurrent cardiac arrest. *Circulation* 59:855-863, May 1979.
- 276 Mayorga-Cortes A, Rozanski JJ, Sung RJ, Castellanos A, Myerburg RJ: Right ventricular apical activation times in patients with conduction disturbances occurring during acute transmural myocardial infarction. *Am J Cardiol* 43:913-919, May 1979.
- 277 Befeler B, Berkovits BV, Aranda JM, Sung RJ, Moleiro F, Castellanos A: Programmed simultaneous biventricular stimulation in man, with special reference to its use in the evaluation of intraventricular reentry. *Europ J Cardiol* 9:369-378, May 1979.
- 278 Myerburg RJ, Sung RJ, Castellanos A: Ventricular tachycardia and ventricular fibrillation in patients with short P-R intervals and narrow QRS complexes. *PACE* 2:568-578, Nov-Dec 1979.
- 279 Bierfield JL, Rodriguez-Viera V, Aranda JM, Castellanos A Jr, Lazzara R, Befeler B: Terminating ventricular fibrillation by chest pump. *Angiology* 30:703-707, November 1979.
- 280 Sheps DS, Conde C, Cameron B, Lo WC, Appel R, Castellanos A, Harkness DR, Myerburg RJ: Resting peripheral blood lactate elevation in survivors of prehospital cardiac arrest: Correlation with hemodynamic, electrophysiologic and oxyhemoglobin dissociation indexes. *Am J Cardiol* 44:1276-1282, December 1979.
- 281 Castellanos A, Sung RJ: Artificial intermittent ventricular parasystole with phase 3 protection. *Chest* 76:688-689, Dec 1979.
- 282 Castellanos A, Elencwajg B, Berkovits BV, Sung RJ: Seguimiento de los marcapasos implantados. *Rev Facultad Med Univ Nac, Tucuman, Argentina*, 12:3-11, December 1979.

1980 - 1989

- 283 Sung RJ, Styperek JL, Castellanos A: Complete abolition of the reentrant supraventricular tachycardia zone using a new modality of cardiac pacing with simultaneous atrioventricular stimulation. *Am J Cardiol* 45:72-78, January 1980.
- 284 Castellanos A, Berkovits BV, Sung RJ: Implantacion de marcapasos automaticos en las taquicardias sin bloqueo. *Rev Latina Cardiol* 1:55- 66, January 1980.

- 285 Castellanos A, Alatraste VM, Sung RJ, Sheps DS, Myerburg RJ: A search for modulation in intermittent ventricular parasystole. *PACE* 3:73-83, Jan-Feb 1980.
- 286 Castellanos A, Alatraste VM, Sung RJ, Myerburg RJ: Efectos de los periodos de Wenckebach intra-auricular sobre el bloqueo A-V 2:1 y 4:1 nodal e infranodal. *Arch Inst Card Mexico*, 50:179-185, March-April 1980.
- 287 Myerburg RJ, Conde CA, Sung RJ, Mayorga-Cortes A, Mallon SM, Sheps DS, Appel RA, Castellanos A: Clinical, electrophysiologic and hemodynamic profile of patients resuscitated from prehospital cardiac arrest. *Am J Medicine* 68:568-576, April 1980.
- 288 Castellanos A, Gutierrez R, Garcia OL, Aranda JM, Befeler B: Falsos patrones de bloqueos frecuencia-dependientes en el haz de Kent. *Rev. Latina Cardiol Euroamericana* 1:71-78, April 1980.
- 289 Mendoza IV, Castellanos A, Sung RJ: Wolff-Parkinson-White syndrome type B with tachycardia-dependent (phase 3) block in the accessory pathway and in left bundle-branch coexisting with rate-unrelated right bundle-branch block. *Brit Heart J* 43:481-486, April 1980.
- 290 Castellanos A, Sung RJ: Contributions of general system theory to the understanding of the scientific applications of science fiction. (Editorial). *Pacemaker. Rev Portuguesa Pacing Card & Electrofis Clin* 1:3-4, April-September 1980.
- 291 Castellanos A, Waxman HL, Moleiro F, Berkovits BV, Sung RJ: Preliminary studies with an implantable multimodal A-V pacemaker for reciprocating atrioventricular tachycardias. *PACE* 3:257-265, May-June 1980.
- 292 Castellanos A, Pefkaros K, Myerburg RJ: Artificial intermittent parasystole with phase 4 protection. *Chest* 78:84-86, July 1980.
- 293 Rozanski JJ, Castellanos A: Clinical evaluation of an improved high resolution ECG cart for recording the His bundle electrogram non-invasively. *PACE* 3:479-484, July-August 1980.
- 294 Rozanski JJ, Castellanos A, Sheps D, Pozen R, Myerburg RJ: Paroxysmal second-degree atrioventricular block induced by exercise. *Heart & Lung* 9:887-890, Sept-Oct 1980.
- 295 Rozanski JJ, Zaman L, Luceri R, Pastoriza J, Kleinfeld M, Castellanos A, Myerburg RJ: The mechanism of flutter electrical alternans. *PACE* 4:193-198, March-April 1981.
- 296 Rozanski JJ, Mortara D, Myerburg RJ, Castellanos A: Body surface detection of delayed depolarizations in patients with recurrent ventricular tachycardia and left ventricular aneurysm. *Circulation* 63:1172-1178, May 1981.

- 297 Myerburg RJ, Kessler KM, Kiem I, Pefkaros KC, Conde CA, Cooper D, Castellanos A: Relationship between plasma levels of procainamide suppression of premature ventricular complexes and prevention of recurrent ventricular tachycardia. *Circulation* 64:280-290, August 1981.
- 298 Castellanos A, Garcia HG, Rozanski JJ, Zaman L, Pefkaros K, Myerburg J: Atropine-induced multilevel block in acute inferior myocardial infarction. A possible indication for prophylactic pacing. *PACE* 4:528-537, Sept-Oct 1981.
- 299 Moleiro F, Mendoza IJ, Medina-Ravell V, Castellanos A, Myerburg RJ: One-to-one atrioventricular conduction during atrial pacing at rates of 300/minute in absence of Wolff-Parkinson-White syndrome. *Am J Cardiol* 48:789-796, October 1981.
- 300 Castellanos A, Ramirez AV, Mayorga-Cortes A, Pefkaros K, Rozanski JJ, Sprung C, Myerburg RJ: Left fascicular blocks during right-heart catheterization using the Swan-Ganz catheter. *Circulation* 64:1271-1276, December 1981.
- 301 Zaman L, Castellanos A, Myerburg RJ: Parasystole arising in the accessory pathway. *Chest* 80:743-744, December 1981.
- 302 Echeverria HJ, Luceri RM, Thurer RJ, Castellanos A: Myopotential inhibition of unipolar AV sequential (DVI) pacemaker. *PACE* 5:20-22, Jan-Feb 1982.
- 303 Myerburg RJ, Epstein K, Gaide MS, Wong SS, Castellanos A, Gelband H, Bassett AL: Electrophysiologic consequences of experimental acute ischemia superimposed on healed myocardial infarction in cats. *Am J Cardiol* 49:323-330, February 1982.
- 304 Sprung CL, Pozen RG, Rozanski JJ, Pinero JR, Eisler BR, Castellanos A: Advanced ventricular arrhythmias during bedside pulmonary artery catheterization. *Am J Med* 72:203-208, February 1982.
- 305 Rozanski JJ, Zaman L, Castellanos A: Electrophysiologic effects of diltiazem hydrochloride on supraventricular tachycardia. *Am J Cardiol* 49:621-628, February 1982.
- 306 Garcia OL, Castellanos A, Vagueiro MC, Myerburg RJ, Gelband H: Arrival of excitation at the left ventricular apical endocardium in Wolff- Parkinson-White syndrome type B. *J Electrocardiol* 15:165-172, 1982.
- 307 Myerburg RJ, Kessler KM, Zaman L, Conde CA, Castellanos A: Survivors of prehospital cardiac arrest. *JAMA* 247:1485-1492, March 1982.
- 308 Myerburg RJ, Bassett AL, Epstein K, Gaide MS, Kozlovskis P, Wong SS, Castellanos A,

- Gelband H: Electrophysiological effects of procainamide in acute and healed experimental ischemic injury of cat myocardium. *Circulation Res* 50:386-393, March 1982.
- 309 Castellanos A, Zaman L, Myerburg RJ: "Invisible" pseudo-pseudofusion beats. *PACE* 5:260-263, March-April 1982.
 - 310 Myerburg RJ, Zaman L, Kessler KM, Castellanos A: Evolving concepts of management of stable and potentially lethal arrhythmias. *Am Heart J* 103:615-622, April 1982.
 - 311 Elencwajg B, Zaman L, Rozanski JJ, Myerburg RJ, Castellanos A: Transverse dissociation of the human His bundle. *PACE* 5:323-328, May-June 1982.
 - 312 Castellanos A, Ferreiro J, Pefkaros K, Rozanski JJ, Moleiro F, Myerburg RJ: Effects of lignocaine on bidirectional tachycardia and on digitalis-induced atrial tachycardia with block. *Brit Heart J* 48:27-32, July 1982.
 - 313 Castellanos A, Castillo CA, Medina-Ravell V, Moleiro F, Berkovits BV, Myerburg RJ: Electronic pacemaker models of parasystole. *PACE* 5:537-545, July-August 1982.
 - 314 Mendoza I, Moleiro F, Castellanos A, Casal H, Arends E, Medina V: Evaluacion electrofisiologica del tratamiento de pacientes con taquicardia ventricular recurrente. *Arch Inst Card Mexico* 52:301-311, July-August 1982.
 - 315 Portillo B, Portillo-Leon N, Zaman L, Castellanos A: Quintuple pathways participating in three distinct types of atrioventricular reciprocating tachycardia in a patient with Wolff-Parkinson-White syndrome. *Am J Cardiol* 50:347-352, August 1982.
 - 316 Castellanos A, Castillo CA: Concealed ventricular parasystole exposed by abrupt cessation of pacing. *Chest* 82:362-364, September 1982.
 - 317 Castellanos A, Zaman L, Moleiro F, Aranda JM, Myerburg RJ: The Lown- Ganong-Levine syndrome. A review of the literature. *PACE* 5:715-740, Sept-Oct 1982.
 - 318 Medina-Ravell V, Rozanski JJ, Castellanos A: His bundle recordings in double tachycardias not due to digitalis intoxication. *PACE* 5:751-757, Sept-Oct 1982.
 - 319 Moleiro F, Mendoza I, Octavio JA, Anselmi A, Castellanos A: Los trastornos de conduccion intraventricular y la prueba de ajmalina en pacientes con infeccion chagastica. *Rev Latina Cardiol Euroamericana* 3:414-422, October 1982.
 - 320 Portillo B, Medina-Ravell V, Portillo-Leon N, Maduro C, Mejias J, Berkovits BV, Castellanos A: Treatment of drug resistant A-V reciprocating tachycardias with multiprogrammable dual demand A-V sequential (DVI,MN) pacemakers. *PACE* 5:814-825, Nov-Dec 1982.

- 321 Mendoza I, Moleiro F, Posse R, Castellanos A, Gonzalez J, Anselmi A: Validez de un protocolo de estudio para el tratamiento de las arritmias ventriculares en la miocarditis chagastica cronica. Utilidad de la mexiletina. *Rev Latina Cardiol Euroamericana* 3:505-511, December 1982.
- 322 Castellanos A, Myerburg RJ: The electrophysiologic manifestations of abnormal automatic activity arising in depolarized foci. (Editorial) *Circulation* 67:9-10, January 1983.
- 323 Mendoza I, Castellanos A, Moleiro F: La estimulacion selectiva y no selectiva del haz de His. *Estimulacion Cardiaca* 3:109-114, 1982.
- 324 Medina-Ravell V, Castellanos A, Portillo-Acosta P, Maduro-Maytin C, Rodriguez-Salas-L, Hernandez-Arenas M, LaSalle-Toro R, Mendoza-Mujica I, Ortega-Maldonado M, Berkovits BV: Management of tachyarrhythmias with dual-chamber pacemakers. *PACE* 6:333-345, March-April 1983.
- 325 Luceri RM, Ramirez AV, Castellanos A, Zaman L, Thurer RJ, Myerburg RJ: Ventricular tachycardia produced by a normally functioning AV sequential demand (DVI) pacemaker with "committed" ventricular stimulation. *J Am Coll Cardiol* 1:1177-1179, April 1983.
- 326 Castellanos A, Castillo CA: Concealed ventricular parasystole exposed by abrupt cessation of pacing. Letter to the Editor. *Chest* 83:835, May 1983.
- 327 Zaman L, Moleiro F, Rozanski JJ, Pozen R, Myerburg RJ, Castellanos A: Multiple electrophysiologic manifestations and clinical implications of vagally mediated AV block. *Am Heart J* 106:92-99, July 1983.
- 328 Luceri RM, Castellanos A, Zaman L, Myerburg RJ: The arrhythmias of dual-chamber cardiac pacemakers and their management. *Ann Int Med* 99:354-359, September 1983.
- 329 Castellanos A: Bradiarritmias. *Dialogo Interamericano de Medicina*. Bocles JS, ed. University of Miami Department of Medicine Seminar, Ediciones Lerner Ltda, Colombia pp 35-38, 1983.
- 330 Castellanos A: Marcapasos implantados. *Dialogo Interamericano de Medicina*. Bocles JS, ed. University of Miami School of Medicine Department of Medicine Seminar, Ediciones Lerner Ltda, Colombia, pp 72- 77, 1983.
- 331 Castellanos A, Bayes de Luna A, Zaman L, Myerburg RJ: Risk factors for ventricular fibrillation in the preexcitation syndrome. *Practical Cardiol* 9:167-175, September 1983.
- 332 Zaman L, Garcia N, Luceri RM, Castellanos A, Myerburg RJ: Ectopic left atrial rhythm that

- produces QRS changes in absence of Wolff-Parkinson- White syndrome. *Circulation* 68:701-706, October 1983.
- 333 Myerburg RJ, Castellanos A: Antiarrhythmic drugs for the prevention of potentially lethal arrhythmias - assessment of current approaches. *Int J Cardiol* 4:350-356, October 1983.
- 334 Castellanos A, Sung RJ: Contribution of general system theory to the understanding of the scientific applications of science fiction. *The Mos Eisley Chronicle* 3:8-13, 1983.
- 335 Medina-Ravell V, Rodriguez-Salas L, Mendoza IJ, Castellanos A: Nonfatal ajmaline cardiotoxicity. *Am J Cardiol* 53:958-959, March 1984.
- 336 Castellanos A, Melgarejo E, Dubois R, Luceri RM: Modulation of ventricular parasystole by extraneous depolarizations. *J Electrocardiol* 17:195-198, April 1984.
- 337 Portillo B, Mejias J, Leon-Portillo N, Zaman L, Myerburg RJ, Castellanos A: Entrainment of atrioventricular nodal reentrant tachycardias during overdrive pacing from high right atrium and coronary sinus. With special reference to atrioventricular dissociation and 2:1 retrograde block during tachycardias. *Am J Cardiol* 53:1570-1576, June 1984.
- 338 Luceri RM, Parker M, Thurer RJ, Castellanos A, Myerburg RJ: Particularities of management and follow-up of patients with DDD pacemakers. *Clin Prog Pacing and Electrophysiol* 2:261-271, June 1984.
- 339 Portillo B, Castellanos A, Mejias J, Zaman L, Leon-Portillo N, Myerburg RJ: Right atrial-ventricular dissociation and entrainment while pacing from high right atrium and coronary sinus during circus movement tachycardias. *PACE* 7:710-719, July-August, 1984.
- 340 Castellanos A, Luceri RM, Moleiro F, Kayden DS, Trohman RG, Zaman L, Myerburg RJ: Annihilation, entrainment and modulation of ventricular parasystole. *Am J Cardiol* 54:317-322, August 1984.
- 341 Myerburg RJ, Kessler KM, Estes D, Conde CA, Luceri RM, Zaman L, Kozlovskis PL, Castellanos A: Long-term survival after prehospital cardiac arrest: Analysis of outcome during an 8 year study. *Circulation* 70:538-564, October 1984.
- 342 Myerburg RJ, Kessler KM, Luceri RM, Zaman L, Trohman RG, Estes D, Castellanos A: Classification of ventricular arrhythmias based on parallel hierarchies frequency and form. *Am J Cardiol* 54:1355- 1358, December 1984.
- 343 Myerburg RJ, Estes D, Zaman L, Luceri RM, Kessler KM, Trohman RG, Castellanos A: Outcome of resuscitation from bradyarrhythmic or asystolic prehospital cardiac arrest. *J Am Coll Cardiol* 4:1118-1122, December 1984.

- 344 Myerburg RJ, Zaman L, Luceri RM, Kessler KM, Hamburg C, Kayden D, Castellanos A: Prehospital cardiac arrest survivors: Classification of risk groups on the basis of electrophysiologic testing. *Ann N Y Academy of Sciences* 427:40-48, 1984.
- 345 Luceri RM, Castellanos A, Myerburg RJ: Implantable devices for the treatment of cardiac arrhythmias. *Cardiology Clinics*. 3:113-122, 1985.
- 346 Castellanos A, Mendoza IJ, Luceri RM, Castillo CA, Zaman L, Saoudi N, Myerburg RJ: Concealment of manifest, and exposure of concealed, ventricular parasystole produced by isoproterenol. *Am J Cardiol* 55:1344-1349, May 1985.
- 347 Castellanos A, Saoudi NC, Schwartz A, Sodi-Pallares D: Electrocardiographic patterns resulting from improper connections of the right leg (ground) cable. *PACE* 8:364-368, May-June 1985.
- 348 Castellanos A, Moleiro F, Mendoza I: Supresion, captura y modulacion de la parasistolia ventricular. *Arch Inst Card Mex* 55:15-23, 1985.
- 349 Castellanos A, Mejias J, Portillo B, Leon-Portillo N, Zaman L, Myerburg RJ: Atrapamiento de las taquicardias reciprocantes atrioventriculares durante la estimulacion auricular. *Rev Lat Cardiol* 6:327-334, July 1985.
- 350 Young ML, Gelband H, Castellanos A, Wolff GS: Rapid atrial pacing- induced infra-His conduction block in children. *Am Heart J* 110:652- 658, September 1985.
- 351 Saoudi NC, Kimura S, Portillo B, Luceri RM, Zaman L, Myerburg RJ, Castellanos A: Entrainement et dissociation oreillette droite- ventricle lors de la stimulation auriculaire au cours des tachycardias reciproques utilisant une voie accessoire. *Arch Mal Coeur* 78:1357-1364, 1985.
- 352 Saoudi N, Kimura S, Stafford W, Castellanos A, Myerburg RJ: Modulation et annihilation des pace-makers ventriculaires parasistoliques. *Arch Mal Coeur* 78:1495-1501, 1985.
- 353 Castellanos A, Portillo B, Mejias J, Leon-Portillo N, Saoudi NC, Zaman L: Entrainment of circus movement tachycardia utilizing an accessory pathway with long retrograde conduction times during ventricular and atrial stimulation. *J Am Coll Cardiol* 6:1431-1437, December 1985.
- 354 Castellanos A, Castellanos AM: Profiles in Cardiology "Agustin W Castellanos". *Clin Cardiol* 8:503-506, 1985.
- 355 Zaman L, Castellanos A: Diagnosis and management of atrioventricular node reentrant tachycardia. *Arrhythmia Clin* 2:17-31, 1985.
- 356 Saoudi N, Luceri R, Kimura S, Castellanos A, Myerburg RJ: Prise en charge des patients porteurs d'un stimulateur DDD. *Stimucoeur* 13:264- 270, 1985.

- 357 Young ML, Wolff GS, Castellanos A, Gelband H: Application of the Rosenblueth hypothesis to assess atrioventricular nodal behavior. *Am J Cardiol* 57:131-134, January 1986.
- 358 Young ML, Wolff GS, Castellanos A, Gelband H: Application of the Rosenblueth hypothesis to assess cycle length effects on the refractoriness of the atrioventricular node. *Am J Cardiol* 57:142-145, January 1986.
- 359 Luceri RM, Castellanos A, Thurer R, Myerburg RJ: Noninvasive conversion of atrial flutter using a multiprogrammable DDD pulse generator. *PACE* 9:137-140, 1986.
- 360 Saoudi NC, Castellanos A, Zaman L, Portillo B, Schwartz A, Myerburg RJ: Attempted entrainment of circus movement tachycardias by ventricular stimulation. *PACE* 9:78-90, 1986.
- 361 Trohman RG, Estes DM, Castellanos A, Palomo AR, Myerburg RJ, Kessler KM: Increased quinidine plasma concentrations during administration of verapamil: A new quinidine-verapamil interaction. *Am J Cardiol* 57:706-707, March 1986.
- 362 Stafford WJ, Trohman RG, Bilsker M, Zaman L, Castellanos A, Myerburg RJ: Cardiac arrest in an adolescent with atrial fibrillation and hypertrophic cardiomyopathy. *J Am Coll Cardiol* 7:701-704, March 1986.
- 363 Mendoza I, Camardo J, Moleiro F, Castellanos A, Medina V, Gomez J, Acquatella H, Casal H, Tortoledo F, Puigbo J: Sustained ventricular tachycardia in chronic chagasic myocarditis. Electrophysiologic and pharmacologic characteristics. *Am J Cardiol* 57:423, 1986.
- 364 Castellanos A, Myerburg RJ: Geopolitical considerations regarding cardiac arrests occurring outside the hospital. *Cardiov Res Update* 1:6, 1986.
- 365 Luceri RM, Thurer RJ, Palatianos GM, Fernandez PR, El-Shalakany A, Castellanos A: The automatic implantable cardioverter-defibrillator: Results, observations, and comments. *PACE* 9:1343-1348, Nov-Dec 1986.
- 366 Castellanos A, Portillo P, Zaman L, Luceri RM, Myerburg RJ: Linking phenomenon during atrial stimulation with accessory pathways. *Am J Cardiol* 58:964-969, 1986.
- 367 Castellanos A, Luceri RM: Antitachyarrhythmia devices. *Circulation* 75(Supp III):174-177, April 1987.
- 368 Saoudi N, Berland J, Eltchaninoff H, Cribier A, Castellanos A, Letac B: Variation circadienne et entrainement des parasystolies ventriculaires. *Arch Mal Coeur* 80:280-288, 1987.

- 369 Saoudi N, Bellefleur JP, Letac B, Castellanos A: Gap, bloc en phase III et IV et conduction supernormale de la branche droite. *Arch Mal Coeur* 80:220-224, 1987.
- 370 Interian A Jr, Trohman RG, Castellanos A, Cox M, Zaman L, Myerburg RJ: Spontaneous conversion of ventricular fibrillation in cardiogenic shock from acute myocardial infarction. *Am J Cardiol* 59:1200-1201, May 1987.
- 371 Trohman RG, Donadini M, Palomo AR, Zaman L, Kessler KM, Myerburg RJ, Castellanos A: Exercise tolerance testing in symptomatic and asymptomatic complete intra-His block. *Am Heart J* 113:1252-1254, May 1987.
- 372 Zaman L, Castellanos A, Saoudi NC, Stafford WJ, Trohman RG, Interian A Jr, Myerburg RJ: Significance of pacing cycle lengths in manifest entrainment of orthodromic circus movement tachycardia by ventricular pacing. *Am J Cardiol* 59:1325-1331, June 1987.
- 373 Pina IL, Smith EV, Castellanos A: Post-myocardial infarction exercise testing in elderly patients. *Practical Cardiol* 13:117-125, June 1987.
- 374 Young ML, Gelband H, Castellanos A, Wolff GS: Reverse alternating Wenckebach periodicity. *Am J Cardiol* 60:90-94, July 1987.
- 375 Castellanos A, Pena JL, De La Hera A, Myerburg RJ: Modulated ventricular parasystole and the effects of lidocaine in acute myocardial infarction. *J Electrophysiol* 1:287-289, August 1987.
- 376 Myerburg RJ, Kessler KM, Zaman L, Fernandez P, DeMarchena E, Castellanos A: Pharmacologic approaches to management of arrhythmias in patients with cardiomyopathy and heart failure. *Am Heart J* 114:1273-1279, 1987.
- 377 Castellanos A, Myerburg RJ: The wide electrophysiologic spectrum of tachycardias having R-P intervals longer than the P-R intervals. *PACE* 10:1382-1384, Nov-Dec, 1987.
- 378 Luceri RM, Castellanos A, Thurer RJ: Telemetry of intracardiac electrograms: Applications in spontaneous and induced arrhythmias. *J Electrophys* 1:417-424, October 1987.
- 379 Castellanos A, Myerburg RJ: Changing perspectives in the preexcitation syndromes. (Editorial) *N Eng J Med* 317:109-111, July 1987.
- 380 Castellanos A, Pina IL, Zaman L, Myerburg RJ: Recent advances in the diagnosis of fascicular blocks. *Cardiology Clinics* 5:469-488, August 1987.
- 381 Castellanos A, Zaman L, Luceri RM, Myerburg RJ: Unstable intraventricular conduction disorders. *Cardiology Clinics* 5:489-497, August 1987.

- 382 Saoudi N, Castellanos A, Galtier M, Bellefleur JP, Berland J, Cribier A, Letac B: Unusual electrocardiographic patterns of modulated parasystole. *Euro Heart J* 8:1229-1235, 1987.
- 383 Trohman RG, Castellanos D, Castellanos A, Kessler KM: Amiodarone- induced delirium. *Ann Int Med* 108:68-69, 1988.
- 384 Kessler KM, McAuliffe D, Kozlovskis P, Trohman RG, Zaman L, Castellanos A, Sequeira R, Myerburg RJ: QRS morphology-dependent pharmacodynamics in multiform ventricular ectopic activity. *Am J Cardiol* 61:563-569, 1988.
- 385 Castellanos A, Zaman L, Fernandez P, Portillo B, Berkovits BV, Myerburg RJ: Characteristics of entrainment during autodecremental atrial and ventricular stimulation. *Am J Cardiol* 61:781-786, 1988.
- 386 Castellanos A: Profiles in Cardiology. Demetrio Sodi-Pallares: The man and his thought. *Clin Cardiol* 11:434-436, 1988.
- 387 Castellanos A, Kessler KM, Luceri RM, Myerburg RJ: Circadian variations in heart rate and arrhythmias. *Int Med Specialist Special Issue*:29-36 June 1988.
- 388 Topaz O, Castellanos A, Grobman LR, Myerburg RJ. The role of arrhythmogenic auditory stimuli in sudden cardiac death. *Am Heart J* 116:222-226, July 1988.
- 389 Castellanos A, Shin EK, Luceri RM, Myerburg RJ: Parasystolic accelerated idioventricular rhythms producing bidirectional tachycardia patterns. *J Electrophysiol* 2:296-302, August 1988.
- 390 Castellanos A, Saoudi N, Mendoza IJ, Myerburg RJ: Circadian variabilities of modulated ventricular parasystole. *Am J Cardiol* 62:653-654, Sept. 1988.
- 391 Castellanos A, Mendoza IJ, Saoudi N, Jalife J: Ventricular tachycardia with alternating cycle lengths: Self-entrainment of parasystolic rhythm? *PACE* 11:1291-1295, September 1988.
- 392 Glicksman FL, Zaman L, Huikuri HV, Castellanos A, Myerburg RJ: Reversible failure to sense ventricular tachycardia early after surgical implantation of the automatic implantable cardioverter- defibrillator. *Am J Cardiol* 62:833-834, October 1988.
- 393 Luceri RM, Habal SM, Castellanos A, Thurer RJ, Waters RS, Brownstein SL: Mechanism of death in patients with the automatic implantable cardioverter defibrillator. *PACE* 11:2015-2022, November 1988.
- 394 Medina-Ravell V, Rodriguez-Salas L, Castellanos A, Myerburg RJ: Death due to paroxysmal

- atrioventricular block during ambulatory electrocardiographic monitoring. *PACE* 12:65-69, January 1989.
- 395 Huikuri HV, Zaman L, Castellanos A, Kessler KM, Cox M, Glicksman F, Myerburg RJ: Changes in spontaneous sinus node rate as an estimate of cardiac autonomic tone during stable and unstable ventricular tachycardia. *J Am Coll Cardiol* 13:646-652, March 1989.
 - 396 Saoudi N, Castellanos A, Touboul P: Automodulation des parasystolies ventriculaires. *Arch Mal Coeur* 82:201-206, 1989.
 - 397 Castellanos A, Fernandez P, Thurer RJ, Rhymes P, Myerburg RJ: Eccentricities of activitrac pulse generators. *Am J Cardiol* 63:874- 876, April 1989.
 - 398 Interian A, Jr., Zaman L, Kessler KM, Castellanos A, Myerburg RJ: Lidocaine suppression of junctional escape impulses during AV block in inferior wall myocardial infarction. *J Electrophysiol* 3:65-69, 1989.
 - 399 Myerburg RJ, Kessler KM, Bassett AL, Castellanos A: A biological approach to sudden cardiac death: Structure, function and cause. *Am J Cardiol (Editorial)* 63:1512-1516, June 1989.
 - 400 Myerburg RJ, Luceri RM, Thurer R, Cooper DK, Zaman L, Interian A, Fernandez P, Cox M, Glicksman F, Castellanos A: Time to first shock and clinical outcome in patients receiving an automatic implantable cardioverter-defibrillator. *J Am Coll Cardiol* 14:508-514, 1989.
 - 401 Kessler KM, McAuliffe D, Kozlovskis P, Castellanos A, Myerburg RJ: QRS morphology-dependent, concordant frequency distribution of single and repetitive forms of ventricular ectopic activity. *Am Heart J*, 118:58-62, July, 1989.
 - 402 Kessler KM, Wozniak PM, McAuliffe D, Terracall E, Kozlovskis P, Mahmood I, Zaman L, Trohman RG, Castellanos A, Myerburg RJ: The clinical implication of changing unbound quinidine levels. *Am Heart J*, 118:63-69, July 1989.
 - 403 Sardi-Schoonewolf EG, Ferrer PL, Pickoff AS, Castellanos A, Jr, Freitez-Sardi N, Gelband G: Right atrial pressures and P wave voltages during normal breathing and deep inspiration. An experimental study. *Rev Latina Cardiol* 10, No.2:112-117, 1989.
 - 404 Castellanos A: Musing on medical technology. *Progress in Cardiology* 3, No 4:4-5, August, 1989.
 - 405 Kessler KM, McAuliffe D, Chakko S, Castellanos A, Myerburg RJ: Multiform ventricular complexes: A transitional arrhythmia form? *Am Heart J*, 118:441-444, September 1989.

- 406 Myerburg RJ, Castellanos A: Resolution of nonspecific repolarization patterns from body surface signals: A new horizon of clinical electrocardiography. *J Am Coll Cardiol* 14:703-704, September, 1989.
 - 407 Castellanos A, De La Hera A, Luceri RM, Mendoza IJ, Myerburg RJ: Effects of supernormal capture on directly measured nonmodulated parasystolic cycles. *J Electrocardiol* 22:293-296, October 1989.
 - 408 Castellanos A, Fuenmayor AJ, Huikuri H, Interian A Jr, Cox MM, Myerburg RJ: Dynamics of atrioventricular nodal conduction ratios of reverse alternating Wenckebach periods. *Am J Cardiol* 64:1047-1049, November 1989.
 - 409 Huikuri HV, Cox M, Interian A Jr, Kessler KM, Glicksman F, Castellanos A, Myerburg RJ: Efficacy of intravenous propranolol for suppression of inducibility of ventricular tachyarrhythmias with different electrophysiologic characteristics in coronary artery disease. *Am J Cardiol* 64, No. 19:1305-1309, December 1989.
 - 410 Myerburg RJ, Kessler KM, Cox MM, Huikuri H, Terracall E, Interian A Jr, Fernandez P, Castellanos A: Reversal of proarrhythmic effects of flecainide acetate and encainide hydrochloride by propranolol. *Circulation* 80:1571-1579, December 1989.
- 1990 - 1999
- 411 Huikuri HV, Kessler KM, Terracall E, Castellanos A, Linnaluoto MK, Myerburg RJ: Reproducibility and circadian rhythm of heart rate variability in healthy subjects. *Am J Cardiol* 65(5):391-393, February 1990.
 - 412 Lowery M, de Marchena EJ, Castellanos A, Myerburg RJ, Kessler KM: Interrelationship of variable coupling, multiformity and repetitive forms: Implications for classification of ventricular arrhythmias. *Am Heart J* 119, No. 2:301-307, February 1990.
 - 413 Furukawa T, Kimura S, Castellanos A, Bassett AL, Myerburg RJ: In vivo induction of "focal" triggered ventricular arrhythmias and responses to overdrive pacing in the canine heart. *Circulation* 82, No. 2:549-559, August 1990.
 - 414 Chakko S, Woska D, de Marchena E, Morales AR, Castellanos A: Myocarditis simulating acute transmural myocardial infarction. *Cath and Cardiovasc Diagnosis* 21:10-12, 1990.
 - 415 Kessler KM, Castellanos A, Myerburg RJ: Indexing repetitive to single ventricular premature complexes: A new concept in acute drug testing. *Am J Cardiol* 67:648-650, March 1991.
 - 416 Myerburg RJ, Kessler KM, Castellanos A: Pathophysiology of sudden cardiac death. *PACE* 14:935-943, May 1991.

- 417 Castellanos A, Fernandez P, Moleiro F, Interian A Jr., Myerburg RJ: Symmetry, broken symmetry, and restored symmetry of apparent pure ventricular parasystole. *Am J Cardiol* 68:256-259, July 1991.
- 418 Interian A, Jr., Zaman L, Velez-Robinson E, Kozlovskis P, Castellanos A, Myerburg, RJ: Paired comparisons of efficacy of intravenous and oral procainamide in patients with inducible sustained ventricular tachyarrhythmias. *J Am Coll Cardiol* 17:1581-1586, 1991.
- 419 Castellanos A, Fernandez P, Interian A, Jr., Cox MM, Myerburg RJ: Dynamics of atrioventricular nodal conduction ratios during conversion of 2:1 into 3:1, 4:1 and 5:1 atrioventricular block. *Am J Cardiol* 68:979-981, 1991.
- 420 Castellanos A: Ventricular parasystole. Difficult to diagnose, easier to manage. *J Crit Illness* 6:977, October 1991.
- 421 Myerburg RJ, Kessler KM, Castellanos A: Sudden cardiac death. Structure, function, and time-dependence of risk. *Circulation* 85(suppl I):I-2-I-10, January, 1992.
- 422 Myerburg RJ, Kessler KM, Mallon SM, Cox MM, De Marchena E, Interian A Jr.: Life-threatening ventricular arrhythmias in patients with silent myocardial ischemia due to coronary artery spasm. *N Engl J Med* 326:1451-1455, May 1992.
- 423 Castellanos A, Cox MM, Fernandez PR, Interian A Jr., Mayor M, Ravina T, Myerburg RJ: Mechanisms and dynamics of episodes of progression of 2:1 atrioventricular block in patients with documented two-level conduction disturbances. *Am J Cardiol* 70:193-199, (July) 1992.
- 424 Myerburg RJ, Castellanos A: Evolution, evaluation, and efficacy of implantable cardioverter-defibrillator technology. (Editorial) *Circulation* 86:691-693, Aug., 1992.
- 425 Sardi-Schoonewolf, EG, Ferrer PL, Castellanos A, Jr., Freitez-Sardi N, Gelband H: Increased atrial voltages in the surface electrocardiogram following deep inspiration and its correlations with right atrial pressures and volumes. *Rev Lat Cardiol* 13:270 -275, Nov-Dec, 1992.
- 426 Myerburg RJ, Kessler KM, Kimura S, Castellanos A: Sudden Cardiac Death: Future approaches based on identification and control of transient risk factors. *J Cardiovasc Electrophysiol* 3:626-640, December 1992.
- 427 Interian A Jr., Cox MM, Jimenez RA, Duran A, Levin E, Garcia O, Cooper DK, Castellanos A, Myerburg RJ: A shared pathway in atrioventricular nodal reentrant tachycardia and atrial flutter: Implications for pathophysiology and therapy. *Am J Cardiol* 71:297-303, February 1993.

- 428 Saoudi N, Castellanos A, Portillo B, Berkovits BV, Myerburg RJ: Entrainment and termination of atrioventricular nodal reentry tachycardia with self adapting autodecremental ventricular stimulation. *Eur J C P E* 2:130-133, 1993.
- 429 Myerburg RJ, Kessler KM, Castellanos A. Sudden cardiac death: Epidemiology, transient risk, and intervention assessment. *Ann Int Med* 119:1187-1197, 1993.
- 430 Castellanos A. Misplacements involving the ground (right leg) electrodes. *Am J Cardiol* 1993;72:1457.
- 431 Castellanos A, Interian A Jr., Cox MM, Myerburg RJ. Alternating Wenckebach periods and allied arrhythmias. *PACE* 1993;16:2285-2300.
- 432 Villa AE, de Marchena E, Myerburg RJ, Castellanos A. Paired electrocardiogram comparison of the donor and recipient orthotopic heart hosts. *Am Heart J* 1994;127:70-74.
- 433 Myerburg RJ, Kessler KM, Castellanos A. Response to Letter to the Editor: Is preventing sudden cardiac death realistic? *Ann Int Med* 1994;120:892.
- 434 Interian A Jr., Levin E, Castellanos A, Myerburg RJ. Mechanisms of apparent incremental retrograde conduction across left lateral accessory pathways. *Am J Cardiol* 1994;73:973-978.
- 435 Myerburg RJ, Kessler KM, Chakko S, Cox MM, Fernandez P, Interian A Jr., Castellanos A. Future evaluation of antiarrhythmic therapy. *Am Heart J* 1994;127:1111-1118.
- 436 Castellanos A, Myerburg RJ. Primary and secondary repolarization changes: the intraventricular conduction alteration model. *ACC C J Review* January/February 1995;60-63.
- 437 Saoudi N, Letac B, Castellanos C. An electronic model for evaluating the dynamics of perfect pure parasystole in the human heart. *Am J Cardiol* 1995;75:739-742.
- 438 Castellanos A, Moleiro F, Saoudi N, de la Hera A, Myerburg RJ. Does complexity theory apply to the conduction ratios occurring during progression of stable atrial flutter with 2:1 into 4:1 atrioventricular block? *Am J Cardiol* 1995;75:947-949.
- 439 Castellanos A, Interian A Jr., Myerburg RJ. A different approach to the analysis of pure ventricular parasystole. *CHEST* 1995;107:1463-1464.
- 440 Castellanos A, Moleiro F, Saoudi N, Interian A Jr., Myerburg RJ. Dynamics of, and alternating Wenckebach periods during, 4:1 and 6:1 atrioventricular block. *Am J Cardiol* 1995;76:523-525.
- 441 Castellanos A, Interian A Jr., Cox MM, Myerburg RJ. Reciprocating tachycardia in a patient

with high grade atrioventricular block. *Am Heart J* 1995;130:1300-1302.

- 442 Cox MM, Perlman BA, Mayor BR, Silberstein TA, Levin E, Pringle L, Castellanos A, Myerburg RJ. Acute and long-term beta-adrenergic blockade for patients with neurocardiogenic syncope. *J Am Coll Cardiol* 1995;26:1293-1298.
- 443 Huikuri HV, Seppänen T, Juhani Koistinen M, Juhani Airaksinen KE, Ikäheimo MJ, Castellanos A, Myerburg RJ. Abnormalities in beat-to-beat dynamics of heart rate before the spontaneous onset of life-threatening ventricular tachyarrhythmias in patients with prior myocardial infarction. *Circ* 1996;93:1836-1844.
- 444 Castellanos A, Moleiro F, Guerrero J, Awaad MI, Myerburg RJ. Intermittent parasystole with exit block. *J Electrocardiol* 1997;30(4):331-335.
- 445 Perkiomaki JS, Huikuri HV, Koistinen JM, Makikallio T, Castellanos A, Myerburg RJ. Heart rate variability and dispersion of QT interval in patients with vulnerability to ventricular tachycardia and ventricular fibrillation after previous myocardial infarction. *J Am Coll Cardiol* 1997;30:1331-1338.
- 446 Myerburg RJ, Castellanos A. Clinical trials of implantable defibrillators. *NEJM* 1997;337:1621-1622.
- 447 Myerburg RJ, Interian A, Mitrani RM, Kessler KM, Castellanos A. Frequency of sudden cardiac death and profiles of risk. *Am J Cardiol* 1997;80(5B):10F-19F.
- 448 Myerburg RJ, Mitrani R, Interian A Jr., Castellanos A. Interpretation of outcomes of antiarrhythmic clinical trials: design features and population impact. *Circ* 1998;97:1514-1521.
- 449 Mendoza I, Moleiro F, Marques J, Guerrero AM, Rodriguez F, Rodriguez A, Mendoza Britto I, Bayes de Luna A, Castellanos A. Sudden death in Chagas' disease. *G Ital Cardiol* 1998;28:Suppl 1:386(RT-168).
- 450 Girgis I, Chakko S, de Marchena E, Jara C, Diaz P, Castellanos A, Myerburg RJ. Effect of clonidine on heart rate variability in congestive heart failure. *Am J Cardiol* 1998;82:335-337.
- 451 Castellanos A, Moleiro F, Pastor JA, Interian A Jr., Myerburg RJ. Reverse alternating Wenckebach periods and other modes of regression of $\geq 8:1$ to $2:1$ atrioventricular block. *Am J Cardiol* 1998;92:528-530.
- 452 Castellanos A, Moleiro F, Chakko S, Acosta H, Huikuri H, Mitrani RD, Myerburg RJ. Heart rate variability in inappropriate sinus tachycardia. *Am J Cardiol* 1998;82:531-533.
- 453 Castellanos A, Moleiro F, Acosta H, Ferreira A, Cox MM, Interian A Jr., Myerburg RJ. Sudden Wenckebach periods and their relationship to neurocardiogenic syncope. *PACE* 1998;21:1580-1588.
- 454 Mitrani RD, Kloosterman E, Interian A Jr., Castellanos A. Desfibrilador cardiaco. *Reblampa* 1998; 11:3:135-137.

- 455 Saoudi N, Anselme F, Poty H, Letac B, Castellanos A. Entrainment of supraventricular tachycardias. A review. *PACE* 1998;21:2105-2125.
- 456 Myerburg RJ, Kloosterman M, Yamamura K, Mitrani R, Interian A Jr., Castellanos A. The case for inpatient initiation of antiarrhythmic therapy. *J Cardiovasc Electrophysiol* 1999;10:3:483-487.
- 457 Myerburg RJ, Cox MM, Interian A Jr., Mitrani R, Girgis I, Dylewski J, Castellanos A. Cycling of inducibility of paroxysmal supraventricular in women and its implications for timing of electrophysiologic procedures. *Am J Cardiol* 1999;83:1049-1054.
- 458 Mitrani RD, Kloosterman EM, Huikuri H, Dylewski J, Atapattu S, Interian A Jr., Castellanos A, Myerburg RJ. Muscarinic receptor stimulation with edrophonium hydrochloride does not elevate ventricular fibrillation in thresholds in humans. *J Cardiovasc Electrophysiol* 1999;10:809-816.
- 459 Mitrani RD, Simmons JD, Interian A Jr., Castellanos A, Myerburg RJ. Cardiac pacemakers: current and future status. *Current Problems in Cardiology* 1999;24:6:341-420.
- 460 Moleiro F, Misticchio F, Torres JM, Pulido M, Luque M, Rodriguez A, Mendoza I, Guerrero J, Ruesta V, Castellanos A, Myerburg RJ. Paradoxical behavior of the QT interval during exercise and recovery and its relationship with cardiac memory. *Clinical Cardiology* 1999;22:413-416.
- 461 Huikuri HV, Poutiainen A-M, Mäkilallio TH, Koistinen MJ, Airaksinen J, Mitrani RD, Myerburg RJ, Castellanos A. Dynamic behavior and autonomic regulation of ectopic atrial pacemakers. *Circulation* 1999;100:1416-1422.
- 462 Mendoza IJ, Castellanos A, Lopera G, Moleiro F, Interian A Jr., Myerburg RJ. Nighttime differential autonomic modulation of sinus and idioventricular automaticity and of atrioventricular nodal conduction. *ANE* 1999;4(4):385-390.
- 463 Huikuri HV, Mäkilallio T, Juhani-Airaksinen KE, Mitrani R, Castellanos A, Myerburg RJ. Measurement of heart rate variability: A clinical tool or a research toy? *JACC* 1999;34:1878-1883.
- 464 Castellanos A, Lopera G, Moleiro F, Chakko S, Mitrani RD, Myerburg RJ. Decreased heart rate variability in appropriate sinus tachycardia and effects of rapid rate. *Am J Cardiol* 1999;84:1264-1266.
- 465 Kloosterman EM, Castellanos A, Interian A Jr., Mitrani RD. Mapeo y ablación de taquicardias auriculares complejas por macroreentrads. Más allá de las técnicas convencionales. *Edición Latina de Electrocardiología* 1999;5(3):99-104.
- 466 Mendoza I, Moleiro F, Marques F, Misticchio F, Matheus A, Rodriguez F, Mendoza-Britto I, Guerrero J, Castellanos A. Ventricular tachycardias in Chagas heart disease. *G Ital Cardiol* 1999;29:5:247-250.

- 467 Myerburg RJ, Mitrani R, Interian A Jr., Simmons J, Kloosterman M, Castellanos A. The interpretation and clinical application of data from trials on sudden cardiac death. *J Interv Cardiac Electrophysiol* 2000;4:95-102.
- 468 Castellanos A, Myerburg RJ. Parasystolic alienation: An impression or a reality? *J Cardiovasc Electrophysiol* 2000;11:178-179.
- 469 Lopera G, Huikuri HV, Mäkikallio TH, Castellanos A, Myerburg RJ. Muerte súbita isquémica: análisis crítico de los mareadores de riesgo. *Rev Esp Cardiol* 2000;53:4:568-578.
- 470 Castellanos A. Reminiscing in tempo. In Smeets JLRM, Duevendans PA, Josephson ME, Kirchhof C, Vos MA (eds): Professor Hein JJ Wellens: 33 Years of Cardiology and Arrhythmology. Norwell MA, Kluwer Academic Publishers 2000, p.42.
- 471 Mendoza IJ, Castellanos A, Lopera G, Moleiro F, Mitrani RD, Myerburg RJ. Spontaneous paroxysmal atrioventricular block in patients with positive tilt tests and negative electrophysiologic studies. *Am J Cardiol* 2000;85:893-896.
- 472 Castellanos A, Moleiro F, Lopera G, Huikuri HV, Interian A, Myerburg RJ. Dynamics of the uncorrected QT interval during vagal-induced lengthening of RR intervals. *Am J Cardiol* 2000;86:1390-1392.
- 473 Mäkikallio TH, Huikuri HV, Hintze U, Videbaek J, Mitrani RD, Castellanos A, Myerburg RJ. Fractal analysis and time- and frequency-domain measures of heart rate variability as predictors of mortality in patients with heart failure. *Am J Cardiol* 2001;87:178-182.
- 474 Pastor JA, Castellanos A, Myerburg RJ, Sodi Pallares D. Apparent misplacement of chest electrode on left leg: a unique example of electrode confusion. *Am J Cardiol* 2001;88:829-830.
- 475 Huikuri HV, Castellanos A, Myerburg RJ. Sudden death due to cardiac arrhythmias. *N Engl J Med* 2001;345(20):1473-1482.
- 476 Castellanos A, Moleiro F. The Chicago School of Arrhythmology: An analysis of a revisionist view. *PACE* 2001;24:125-127.
- 477 Castellanos A, Myerburg RJ. The dimensions of dimension. *J Cardiovasc Electrophysiol* 2001;12:277-278.
- 478 Mäkikallio TH, Huikuri HV, Mäkikallio A, Sourander LB, Mitrani RD, Castellanos A, Myerburg RJ. Prediction of sudden cardiac death by fractal analysis of heart rate variability in elderly subjects. *JACC* 2001;37(5):1395-1402.
- 479 Diaz JO, Mäkikallio TH, Huikuri HV, Lopera G, Mitrani RD, Castellanos A, Myerburg RJ, Rozo P, Pava F, Morillo CA. Heart rate dynamics before the spontaneous onset of ventricular tachyarrhythmias in Chagas' heart disease. *Am J Cardiol* 2001;87(9):1123-1125, May 1.

- 480 Lopera G, Huikuri H, Mäkilä TH, Tapanainen J, Chakko S, Mitrani R, Interian A Jr., Castellanos A, Myerburg RJ. Is abnormal heart rate variability a specific feature of congestive heart failure? *Am J Cardiol* 2001;87(10):1211-1213, May 5.
- 481 Lopera G, Castellanos A, de Marchena E. Nuevos farmacos en insuficiencia cardiaca. *Rev Esp Cardiol* 2001;54:624-634.
- 482 Moleiro F, Misticchio F, Mendoza I, Rodriguez A, Castellanos A, Myerburg RJ. Paradoxical behavior of PR interval dynamics during exercise and recovery and its relationship to cardiac memory at the atrioventricular node. *J Electrocardiology* 2001;34:31-34.
- 483 Pastor JA, Castellanos A, Moleiro F, Myerburg RJ. Patterns of acute inferior wall myocardial infarction caused by hyperkalemia. *J Electrocardiology* 2001;34:53-58.
- 484 Pollack WM, Simmons JD, Interian A, Atapattu S, Castellanos A, Myerburg RJ, Mitrani RD. Clinical utility of intraatrial pacemaker stored electrograms to diagnose atrial fibrillation and flutter. *PACE* 2001;24:424-429.
- 485 Mendoza Mujica I, Moleiro F, Marques J, Matheus A, Mendoza-Britto I, Misticchio F, Salazar M, Castellanos A. Anger, ventricular arrhythmias and sudden death. The "New Frontiers" of Arrhythmias 2002;36-37. (15th International Congress, Rome, Italy.)
- 486 Diaz JO, Castellanos A, Moleiro F, Interian A Jr., Myerburg RJ. Relation between sinus rates preceding and following ectopic beats occurring in isolation and as episodes of bigeminy in young healthy subjects. *Am J Cardiol* 2002;90(5):332-335.
- 487 Ridha M, Mäkilä TH, Lopera G, Pastor J, de Marchena E, Chakko S, Huikuri HV, Castellanos A, Myerburg RJ. Effects of carvedilol on heart rate dynamics in patients with congestive heart failure. *ANE* 2002;7(2):133-138.
- 488 Mäkilä TH, Huikuri HV, Myerburg RJ, Seppanen T, Kloosterman M, Interian A Jr., Castellanos A. Differences in the activation of patterns between sustained and self-episodes of human ventricular fibrillation. *Ann Med* 2002;34(2):130-135.
- 489 Still AM, Huikuri HV, Juhani Airaksinen KE, Juhani Koistinen M, Kettunen R, Hartikainen J, Mitrani RD, Castellanos A, Myerburg RJ, Pekka Raatikainen MJ. Impaired negative chronotropic response to adenosine in patients with inappropriate sinus tachycardia. *J Cardiovasc Electrophysiol* 2002;13:557-562.
- 490 Myerburg RJ, Fenster J, Velez M, Rosenberg D, Lai S, Kurlansky P, Newton S, Knox M, Castellanos A. Impact of community-wide police care deployment of automated external defibrillators on survival from out-of-hospital cardiac arrest. *Circulation* 2002;106:1058-1064.
- 491 Castellanos A, Pastor JA, Zambrano JP, Myerburg RJ. Left bundle-branch block with technical right-axis deviation. *Circulation* 2002;106:2288-2289.
- 492 Myerburg RJ, Castellanos A. Electrode positioning for cardioversion of atrial fibrillation. *Lancet* 2002;360:1263-1264.

- 493 Castellanos D, Jacobs-Alvarez F, Castellanos A. El suicidio en la poblacion hispana de los Estado Unidos. *Psychline* 2002;4(2):41-42.
- 494 Pollack W, Simmons JD, Interian A Jr., Castellanos A, Myerburg RJ, Mitrani RD. Pacemaker diagnostics: A critical appraisal of current technology. *PACE* 2003;26(1):76-98.
- 495 Castellanos A, Myerburg RJ. The Chicago school of arrhythmology: Revisited. *CEPR* 2003;7:98-100.
- 496 Lopera G, Castellanos A, Moleiro F, Huikuri HV, Myerburg RJ. Chronic inappropriate sinus tachycardia in elderly females. *ANE* 2003;8(2):139-143.
- 497 Moleiro F, Castellanos A, Diaz JO, Myerburg RJ. Dynamics of QT intervals encompassing secondary repolarization abnormalities during sudden but transient lengthening of the RR intervals. *Am J Cardiol* 2003;91(7):883-885.
- 498 Lindgren KS, Mäkikallio TH, Seppanen T, Pekka Raatikainen MJ, Castellanos A, Myerburg RJ, Huikuri HV. Heart rate turbulence after ventricular and atrial premature beats in subjects without structural heart disease. *J Cardiovasc Electrophysiol* 2003;14:447-452.
- 499 Huikuri HV, Mäkikallio TH, Pekka Raatikainen MJ, Perkiomaki J, Castellanos A, Myerburg RJ. Prediction of sudden cardiac death. Appraisal of the studies and methods assessing the risk sudden arrhythmic death. *Circulation* 2003;108:110-115.
- 500 de Marchena E, Colvin-Adams M, Esnard J, Ridha M, Castellanos A, Myerburg RJ. Ventriculophasic arrhythmia in the orthotopic transplanted heart: Mechanism of disease revisited. *Int'l J Cardiol* 2003;91:71-74.
- 501 Myerburg RJ, Velez M, Rosenberg DG, Fenster J, Castellanos A. Automatic external defibrillators for prevention of out-of-hospital sudden death: effectiveness of the automatic external defibrillator. *J Cardiovasc Electrophysiol* 2003(suppl):14:S108-S116.
- 502 Myerburg RJ, Velez M, Fenster J, Rosenberg DG, Castellanos A. Community-based responses to impending or actual cardiac arrest and advances in post-cardiac arrest care. *J Interven Cardiac Electrophysiol* 2003;9:189-202.
- 503 Mujica Mendoza I, Marques J, Moleiro F, Mendoza-Britto I, Misticchio F, Matheus A, Castellanos A. More on the pathophysiology and prevention of sudden death – Part I. *Ital Heart J* 2004;5(Suppl. 1):79S-87S.
- 504 Luderitz B, Castellanos A, eds. History: Demetrio Sodi-Pallares (1913-2003). *J Interven Cardiac Electrophysiol* 2004;10:93-94.
- 505 Mendoza I, Paoli MD, Moleiro F, Marques J, Matheus A, Misticchio F, Mendoza-Britto I, Castellanos A. Sincope y trastornos psiquiatricos. *Cardiologia Intercontinental* 2004;13(1):46-48.
- 506 Khan AN, Soriano T, Castellanos A, Myerburg RJ. Images in Cardiology: The Electrocardiogram that Saved a Life. *Clinical Cardiology*. 2004;27:449.

- 507 Chirinos JA, Castrellon A, Zambrano JP, Jimenez JJ, Jy W, Horstman LL, Willens HJ, Castellanos A, Myerburg RJ, Ahn YS. Digoxin use is associated with increased platelet and endothelial cell activation in patients with nonvalvular atrial fibrillation. *Heart Rhythm* 2005;2:525-529.
- 508 Castellanos A, Diaz JO, Interian A Jr., Myerburg RJ. Wenckebach's periods or alternating Wenckebach's periods during 4:1 atrioventricular block? *J Electrocardiology* 2005;38(2):157-159.
- 509 Chirinos JA, Zambrano JP, Virani SS, Jimenez JJ, Jy W, Ahn E, Horstman LL, Castellanos A, Myerburg RJ, Ahn YS. Correlation between apoptotic endothelial microparticles and serum interleukin-6 C-reactive protein in healthy men. *Am J Cardiol* 2005;95(10):1258-1260.
- 510 Myerburg RJ, Castellanos A. Emerging paradigms of the epidemiology and demographics of sudden cardiac arrest. *Heart Rhythm* 2006;3(2):235-239.
- 511 Myerburg RJ, Castellanos A. A unique historical overview of the implantable cardioverter-defibrillator. *Heart Rhythm* 2006;3(7):769-770.
- 512 Brenes JC, Carlos Brenes-Pereira, Castellanos A. Wenckebach-Phenomenon at the left bundle branch. *Clinical Cardiology* 2006;29(5):226.
- 513 Chirinos JA, Myerburg RJ, Castellanos A. Supraventricular tachycardia in Wolff-Parkinson-White syndrome: to and fro. *Clin Cardiol* 2006;29(7):324.
- 514 Castellanos A, Myerburg RJ. defibrillator indications: spend in the beginning or pay at the end. (Editorial Comment) *JACC* 47(1):108-11, January 3, 2006
- 515 Castellanos A, Brenes JC, Chirinos-Medina JA, del Carpio F. Interpolated premature ventricular contractions with postponed compensatory pauses: a misnomer? *J Electrocardiology* 2006;39(4):377-379.
- 516 Acosta H, Pothula VR, Arter J, Antonio C, Ramadas S, Castellanos A. Transvenous dual site left ventricular pacing plus biventricular pacing for the management of refractory ventricular tachycardia. *J Interv Cardiac Electrophysiol* 2006;17(1):73-75.
- 517 Acosta H, Pothula VR, Rodriguez M, Ramadas S, Castellanos A. Placement of a pacing lead at the inferior portion of the interatrial septum without special tools. *PACE* 2007;30(Suppl. 1):S84-S87.
- 518 Del-Carpio Munoz F, Myerburg RJ, Castellanos A. Editorial comment regarding article "Masking inferior infarction by anterior myocardial injury". *Circulation* 2007;115(7)e200 (electronic page).
- 519 Castellanos A, del Carpio Munoz F, Martel JA. Left-sided intraventricular conduction delay concealed by right bundle branch block. *Journal of Electrocardiology* 2008;41(4):357-359 (Jul-Aug.).

16. Other Works and Publications

a) Abstracts

1954 - 1959

1. Castellanos A Jr, Calvino JM, Sala Panisello F: A postmortem study of the left atrial appendage in 14 cases of acute rheumatic fever with special reference to Schoff bodies. Proceedings from the II World Congress of Cardiology, Washington DC, September 1954, p 186.
2. Calvino JM, Castellanos A Jr, Azan L: The value of esophageal leads in complex arrhythmias. Proceedings from the II World Congress of Cardiology, Washington DC, September 1954, p 521.
3. Calvino JM, Azan L, Castellanos A Jr: Valor clinico de la vectorcardiografia. Proceedings from the IX Congreso Medico Nacional, Havana, Cuba, May 1955, p 88.
4. Castellanos A Jr: Book review: **Clinical Electrocardiography. Part I. The Arrhythmias**, Katz LN, Pick A, eds. Rev Cubana Cardiol, 17:112-113, April 1956.
5. De Cardenas A, Ugarriza R, Azan Cano L, Castellanos A Jr: Efectos de la procainamida sobre la taquicardia auricular con bloqueo digitalica. Proceedings from the VI Interamerican Congress of Cardiology, Havana, Cuba, November 1956.
6. Ugarriza R, Azan Cano L, Castellanos A Jr: Arritmias provocadas por aminas simpaticomimeticas. Proceedings from the VI Interamerican Congress of Cardiology, Havana, Cuba, November 1956.
7. Castellanos A Jr, Azan Cano L, Calvino JM: Bilateral functional bundle branch block; aberrant ventricular conduction imitating ventricular paroxysmal tachycardia. Proceedings from the VI Interamerican Congress of Cardiology, Havana, Cuba, November 1956.
8. Castellanos A Jr: Book Review: **Clinical Electrocardiography**. Gardberg M, ed. Rev Cubana Cardiol 18:224-225, June 1957.
9. Castellanos A Jr, Junco JA, Azan Cano L, Taquechel N: The normal vectorcardiogram in newborns. Proceedings from the III World Congress of Cardiology, Brussels, Belgium, October 1958.

1960 - 1969

10. Mayer JW, Lemberg L, Castellanos A Jr: Vectorcardiographic diagnosis of peri-infarction block (Frank system). Circulation 24:991, October 1961.

11. Castellanos A Jr, Lemberg L, Gilmore HR III: A-V nodal tachycardia with block produced by digitalis. Proceedings from the IV World Congress of Cardiology, Mexico City, Mexico, October 1962, p 61.
12. Lemberg L, Castellanos A Jr: Role of digitalis in production of atrioventricular (A-V) nodal tachycardia with block. *Circulation* 26:749, October 1962.
13. Castellanos A Jr, Lemberg L, Hernandez F: The orthogonal vectorcardiogram (Frank system) in congenital heart disease. *Clin Res* 11:164, April 1963.
14. Gosselin A, Lemberg L, Castellanos A Jr: T loop in congenital heart disease: I. Right ventricular overloading. *Circulation* 28:728, October 1963.
15. Lemberg L, Castellanos A Jr, Gosselin A, Swenson J: Supraventricular arrhythmias appearing after cardioversion of atrial fibrillation. *Am J Cardiol* 13:114, January 1964.
16. Castellanos A Jr, Lemberg L, Gosselin A, Cohen R: The T loop in normal children. *Clin Res* 12:26, January 1964.
17. Castellanos A Jr, Gosselin A, Lemberg L: Ventricular conduction time determined by internal electrical stimulation in the human heart. *Clin Res* 12:177, April 1964.
18. Castellanos A Jr, Lemberg L, Berkovits B, Gosselin A: The "Demand" cardiac pacemaker, a new instrument for the treatment of A-V conduction disturbances. Proceedings from the VII Interamerican Congress of Cardiology, Montreal, Canada, June 1964, p 117.
19. Salhanick L, Fonseca JE, Gosselin A, Castellanos A Jr: Analisis vectorcardiografico del asa de T en la infancia. Proceedings from the VII Interamerican Congress of Cardiology, Montreal, Canada, June 1964.
20. Castellanos A Jr, Fonseca JE, Gosselin A, Lemberg L: Ventricular arrhythmias induced by direct-current countershock. *Circulation* 30:III-59, October 1964.
21. Lemberg L, Castellanos A Jr, Gosselin A: Programmed interval pacemaking in atrioventricular (A-V) block. *Circulation* 30:III-111, October 1964.
22. Castellanos A Jr, Berkovits BV: Tape recording and rapid scanning of pacemaking on demand in A-V block. *Clin Res* 13:212, April 1965.
23. Castellanos A Jr, Lemberg L, Johnson D, Berkovits BV: The Wedensky effect. Clinical application. *Circulation* 32:II-65, October 1965.
24. Castellanos A Jr, Lemberg L, Berkovits BV: Repetitive firing during synchronized ventricular stimulation. *Am J Cardiol* 17:119, January 1966.

25. Berner C, Salhanick L, Castellanos A Jr, Gomez A: The ST-T loop in repolarization conduction defects. Clin Res 14:239, April 1966.
26. Castellanos A Jr, Centurion MJ, Lemberg L, Berkovits BV: Concealed digitalis toxicity exposed by pacemaker stimuli. Clin Res 14:241, April 1966.
27. Castellanos A Jr, Lemberg L, Scheib R, Swenson J: Evaluation of countershock in the treatment of A-V nodal tachycardias. Circulation 34:III-71, October 1966.
28. Lemberg L, Castellanos A Jr, Jude JR, Mobbin-Uddin K, Berkovits BV: Evaluation of an implantable demand pacemaker. Circulation 34:III-155, October 1966.
29. Castellanos A Jr, Lemberg L, Mobbin-Uddin K, Jude JR: The mechanism of ventricular fibrillation and the effects of countershock. Clin Res 15:24, January 1967.
30. Centurion MJ, Castellanos A Jr, Salhanick L: The vectorcardiogram of implanted pacemakers. Clin Res 15:25, January 1967.
31. Castellanos A Jr, Lemberg L, Gomez A, Richman D: Electrical exposure of concealed arrhythmias produced by intra-myocardial chemical stimulation. Clin Res 15:197, April 1967.
32. Lemberg L, Fonseca JR, Boucek RJ, Castellanos A Jr: The effects of ventricular hypertrophy on digitalis induced ST-T changes. Clin Res 15:212, April 1967.
33. Castellanos A Jr, Lemberg L, Gomez A, Berkovits BV: Effects of acetyl strophanthidin on post coronary ligation diastolic stimulation. Clin Res 16:26, January 1968.
34. Arcebal AG, Lemberg L, Castellanos A Jr, Berkovits BV: Effects of low energy electrical discharges on rapid ectopic atrial rhythms. Clin Res 16:24, January 1968.
35. Lemberg L, Castellanos A Jr, Arcebal A, Berkovits BV: The response of rapid atrial arrhythmias to low energy electric shocks. Proceedings from the VIII Interamerican Congress of Cardiology, Editorial Juridica SA, Lima, Peru, April 1968, p 141.
36. Castellanos A Jr: Arritmias por intoxicacion digitalica. Proceedings from the VIII Interamerican Congress of Cardiology, Editorial Juridica SA, Lima, Peru, April 1968.
37. Berkovits BV, Castellanos A Jr, Goetz RJ, Godstein S, Harken DE, Fields J, Lemberg L, Jude JR, Matloff JM, Zaroff LI, Zucherman W: The implantable demand pacemaker - Cooperative study. Proceedings from the VIII Interamerican Congress of Cardiology, Editorial Juridica, SA, Lima, Peru, April 1968, p 191.
38. Castellanos A Jr, Lemberg L, Lombardo CR, Berkovits BV: Electrophysiology of ventriculo-synchronized pacemakers. Proceedings from the VIII Interamerican Congress of

Cardiology, Editorial Juridica, SA, Lima, Peru, April 1968, p 196.

39. Palacios G, Jude JR, Castellanos A Jr, Mobbin-Uddin K, Berkovits BV: Estimulacion durante el periodo vulnerable por marcapasos sincronizados. Proceedings from the VIII Interamerican Congress of Cardiology, Editorial Juridica, SA, Lima, Peru, April 1968, p 197.
40. Arcebal AG, Castellanos A Jr, Salhanick L, Lemberg L: Pacemaker induced repetitive firing in acute myocardial infarction. Clin Res 17:14, January 1969.
41. Castellanos A Jr, Mobbin-Uddin K, Lemberg L, Berkovits BV: Effects of electrical stimulation during early systole. Clin Res 17:15, Jan 1969.
42. Maytin O, Castillo C, Castellanos A Jr: The mechanisms of QRS changes produced by coronary angiography. Clin Res 17:17, January 1969.
43. Castellanos A Jr, Arcebal AG, Lemberg L: A new theory of septal activation in the human heart. Clin Res 17:233, April 1969.
44. Maytin O, Castellanos A Jr, Arcebal AG, Lemberg L: Significance of complete right bundle branch block with right axis deviation in the absence of right ventricular hypertrophy. Clin Res 17:253, April 1969.
45. Castellanos A Jr, Castillo C: El potencial del haz de His en el corazon humano. Proceedings from the VI Congreso Nacional de Cardiologia, Mexico City, Mexico, October 1969, p 69.
46. Arcebal AG, Lemberg L, Castellanos A Jr, Berkovits, BV: Genesis of pacemaker induced repetitive firing in acute myocardial infarction. Circulation 40:III-37, October 1969.
47. Berkovits BV, Castellanos A Jr, Lemberg L: Bifocal demand pacemaker. Circulation 40:III-57, October 1969.
48. Chapunoff E, Castellanos A Jr: The vectorcardiogram in left posterior hemiblock. Circulation 40:III-57, October 1969.
49. Lemberg L, Castellanos A Jr, Arcebal AG: Use of propranolol for conversion of tachyarrhythmias in acute myocardial infarction. Circulation 40:III-131, October 1969.
50. Maytin O, Castillo C, Castellanos A Jr: Experimental production of left divisional blocks in man. Circulation 40:III-143, October 1969.

1970 - 1979

51. Castellanos A Jr, Castillo C: The mechanisms of Wolff-Parkinson-White syndrome as studied by His bundle recordings. Am J Cardiol 25:87, January 1970.

52. Castillo C, Lemberg L, Castellanos A Jr, Berkovits BV: Bifocal (sequential atrioventricular) demand pacemaker for sinoatrial and atrioventricular conduction disturbances. *Am J Cardiol* 25:87, January 1970.
53. Agha AS, Castillo C, Castellanos A Jr: His bundle electrogram in reciprocating tachycardias during Wolff-Parkinson-White (W-P-W) syndrome. *Clin Res* 28:20, January 1970.
54. Agha AS, Castillo CA, Castellanos A Jr: Intra-atrial conduction during cardiac pacing. *Clin Res* 28:294, January 1970.
55. Arcebal AG, Castillo C, Lemberg L, Castellanos A Jr: Termination of tachycardias with widened QRS complexes by ventricular stimulation. *Clin Res* 28:296, January 1970.
56. Maytin O, Castellanos A Jr, Castillo C: His bundle recordings in atypical A-V nodal Wenckebach. *Clin Res* 28:320, January 1970.
57. Castellanos A Jr: Mechanisms of reciprocating tachycardias as studied with His bundle recordings. *Proceedings from the VI World Congress of Cardiology - Supplement to Cardiovascular Research - London, England, September 1970, p 101.*
58. Agha AS, Castillo CA, Castellanos A Jr: His bundle electrocardiograms during Kent bundle and Mahaim fiber conduction. *Chest* 58:274, September 1970.
59. Chahine RA, Chapunoff E, Castellanos A Jr, Portillo B: Diagnosis of left anterior hemiblock in the presence of inferior wall myocardial infarction. *Chest* 58:276, September 1970.
60. Perez-Sanz T, Castellanos A Jr, Agha AS, Castillo CA: Pacing and recording from the coronary sinus branches. *Chest* 58:288, Sept 1970.
61. Lemberg L, Arcebal AG, Castellanos A Jr: Use of a new beta blocker (Alprenolol) in acute myocardial infarction. *Circulation* 42:III-41, October 1970.
62. Agha AS, Castillo CA, Myerburg RJ, Castellanos A Jr: Supernormality in the human atria. *Circulation* 42:III-67, October 1970.
63. Castellanos A Jr, Castillo CA, Agha AS: His bundle recordings in Wolff-Parkinson-White arrhythmias. *Circulation* 42:III-142, October 1970.
64. Castillo CA, Castellanos A Jr: Mechanisms of retrograde conduction, ventricular echoes and reciprocating tachycardias as studied by His bundle recordings. *Circulation* 42:III-143, October 1970.
65. Agha AS, Myerburg RJ, Castillo CA, Castellanos A Jr: Pacing-exposed supernormal and subnormal intra-atrial conduction in the human heart. *Clin Res* 19:18, January 1971.

66. Fox IR, Agha AS, Castellanos A Jr: Mechanisms of the anti-arrhythmic effects of oxprenolol in man. Clin Res 19:20, January 1971.
67. Tessler MP, Agha AS, Castellanos A Jr, Castillo CA: Mechanisms of simultaneous coexisting right ventricular pre-excitation and complete right bundle branch block. Clin Res 19:26, January 1971.
68. Castillo CA, Castellanos A Jr: His bundle recordings in patients with short P-R intervals, narrow QRS complexes and paroxysmal tachycardias. Fed Proc 30:454, March-April 1971.
69. Agha AS, Castillo CA, Castellanos A Jr: Effects of alprenolol on intra-atrial, ventriculo-auricular and intraventricular conduction in man. Clin Res 19:301, April 1971.
70. Agha AS, Castellanos A Jr, Castillo CA: Mechanisms of iatrogenic right ventricular pre-excitation co-existing with right bundle branch block. Chest 3:289, September 1971.
71. Gomez J, Befeler B, Castellanos A Jr, Myerburg RJ, Castillo CA: Diagnosis of ectopic beats with right bundle branch block-superior axis pattern by His bundle recordings. Chest 60:293, September 1971.
72. Agha AS, Myerburg RJ, Castellanos A Jr: Functional properties of accessory bypass tracts as determined by premature atrial stimulation. Circulation 44:II-62, October 1971.
73. Castellanos A Jr, Agha AS, Portillo B: Vectorcardiographic significance of co-existing initial and terminal delays in pre-excitation syndrome. Circulation 44:II-63, October 1971.
74. Befeler B, Gomez J, Agha AS, Castellanos A Jr: Changes in the inferior wall myocardial infarction pattern produced by acute fascicular block. Circulation 44:II-63, October 1971.
75. Agha AS, Castellanos A Jr, Castillo CA: Value of simultaneously performed artificial pacing, His bundle electrograms and vectorcardiographic recordings in the evaluation of Wolff-Parkinson-White syndrome. Clin Res 20:23, January 1972.
76. Arcebal AG, Castillo CA, Castellanos A Jr, Machado H, Lemberg L: His bundle recordings in patients with acute inferior wall myocardial infarction. Clin Res 20:23, January 1972.
77. Castillo CA, Castellanos A Jr, Myerburg RJ, Agha AS: A study of the ventricular activation process in pre-excitation syndrome using His bundle and 1 mm apart bipolar electrogram. Am J Cardiol 29:256, February 1972.
78. Agha AS, Castillo CA, Castellanos A Jr: Close bipolar right and left ventricular electrograms in human bundle branch block. Clin Res 20:359, April 1972.

79. Bolooki H, Kaiser G, Rockman D, Castellanos A Jr: Contractile state of the heart in anesthetized man: The effects of acute maximal variations in preload and afterload. Clin Res 20:364, April 1972.
80. Agha AS, Castellanos A Jr, Iyengar RNV, Castillo CA: Wenckebach phenomenon within the atria. Chest 62:357, September 1972.
81. Befeler B, Agha AS, Castellanos A Jr, Castillo CA: Study of the ventricular activation process in human bundle branch block using intracavitary recordings. Chest 62:358, September 1972.
82. Befeler B, Castellanos A Jr, Castillo CA, Myerburg RJ: Arrival of excitation at the right ventricular apex in WPW type A with and without right bundle branch block. Circulation 46:II-117, October 1972.
83. Arcebal AG, Machado H, Lemberg L, Castillo CA, Castellanos A Jr: His bundle electrograms in Type II (Mobitz) block occurring during acute myocardial infarction. Circulation 46:II-125, October 1972.
84. Lemberg L, Arcebal AG, Castellanos A Jr: Paradoxical responses of demand (QRS-inhibited) pacemakers to external magnets. Circulation 46:II-181, October 1972.
85. Craparo K, Castellanos A Jr, Befeler B, Myerburg RJ: Factors influencing the ventricular rate during atrial flutter and fibrillation in pre-excitation syndrome. Clin Res 21:35, January 1973.
86. Myerburg RJ, Nilsson K, Gelband H, Castellanos A, Befeler B: Comparison of anatomy and physiology of canine and primate left ventricular conduction systems. Clin Res 21:83, January 1973.
87. Agha AS, Castellanos A Jr, Myerburg RJ, Castillo CA, Befeler B: Functional properties of the ventricular muscle and distal conducting system during premature ventricular stimulation. Am J Cardiol 31:115, January 1973.
88. Befeler B, Castellanos A Jr, Wells DE, Vagueiro C, Yeh BK, Myerburg RJ: Electrophysiologic effects of disopyramide phosphate - A new antiarrhythmic agent. Am J Cardiol 31:119, January 1973.
89. Myerburg RJ, Gelband H, Castellanos A, Befeler B: Balanced and unbalanced propagation in the divisions of the canine left bundle branch system. Clin Res 21:440, April 1973.
90. Wells DE, Befeler B, Castellanos A Jr, Agha AS, Myerburg RJ: Type I, type II, and type III gaps in bundle branch conduction. Clin Res 21:459, April 1973.
91. Befeler B, Castellanos A: Conduction disturbances occurring in patients with acute myocardial infarction. Jornadas Internacionais de Cardiologia. Faculdade de Medicina de

Lisboa. Lisboa, Portugal, April 1973, pp 149-157.

92. Myerburg RJ, Lazzara R, Nilsson K, Gelband H, Castellanos A, Befeler B: Conduction properties of superficial layers of endocardial muscle. *Circulation* 48:IV-60, October 1973.
93. Befeler B, Wells DE, Machado H, Castellanos A Jr, Lazzara R, Myerburg RJ: Hemodynamic characteristics of obstructive cardiomyopathy of the right ventricle. *Circulation* 48:IV-148, October 1973.
94. Sommer L, Castellanos A, Forlaw R, Mallon S, Bolooki H: Clinical and electrocardiographic findings in patients with free wall left ventricular rupture. *Circulation* 48:IV-220, October 1973.
95. Befeler B, Castellanos A, Agha AS, Myerburg RJ: Value of conduction times during pacing from different ventricular sites in the study of right ventricular activation. *Clin Res* 22:2, January 1974.
96. Aranda JM, Befeler B, Moleiro F, Agha AS, Castellanos A: Mechanisms of the so-called pacemaker-induced ventricular repetitive firing. *Circulation* 50:III-214, October 1974.
97. Aranda J, Moleiro F, Castellanos A, Befeler B: Effects of the pacing site on A-V conduction and refractoriness in patients with short P-R intervals and narrow QRS complexes. *Am J Cardiol* 35:120, January 1975.
98. Sung RJ, Castellanos A, Moleiro F, Myerburg RJ: Electrogenesis and prognosis of digitalis-induced accelerated idioventricular rhythm. *Clin Res* 23:224A, April 1975.
99. Myerburg RJ, Nilsson K, Castellanos A, Gelband H, Bassett AL: Analysis of electrical activity during the "PF-VM" interval. *Circulation* 52:II- 19, October 1975.
100. El-Sherif N, Myerburg RJ, Befeler B, Aranda JM, Castellanos A, Lazzara R: Electrocardiographic characteristics of primary ventricular fibrillation . Value of the R-on-T phenomenon. *Circulation* 52:II-94, October 1975.
101. Castellanos A, Aranda JM, Sung RJ, Tamer D, Befeler B, Myerburg RJ: R- on-T phenomenon during supraventricular tachyarrhythmias in absence of Wolff-Parkinson-White syndrome. *Circulation* 52:II-167, October 1975.
102. Sung RJ, Tamer DM, Agha AS, Castellanos A, Myerburg RJ, Gelband H: Etiology of the rSR' electrocardiographic pattern in atrial septal defect. *Ped Res* 9:273, 1975.
103. Tamer DF, Sung RJ, Castellanos A Jr, Myerburg RJ, Gelband H: Intracardiac recording technique in the evaluation of postoperative right bundle branch block pattern. *Clin Res* 24:159A, January 1976.

104. Castellanos A, Sung RJ, Befeler B, Myerburg RJ: The use of left atrial electrograms in the evaluation of anomalous conduction pathways capable of only ventriculo-atrial conduction. *Am J Cardiol* 37:126, January 1976.
105. Levy S, Gerard R, Castellanos A, Ghahramani AR, Sommer LS: Transient left anterior hemiblock (LAH) associated with angina pectoris attacks (APA). Coronarographic aspects and prognostic significance. *Am J Cardiol* 37:151, January 1976.
106. Sung RJ, Castellanos A, Myerburg RJ: Mechanism of reciprocating tachycardia initiated during sinus rhythm in concealed Wolff-Parkinson-White (WPW) syndrome. *Am J Cardiol* 37:176, January 1976.
107. Aranda JM, Castellanos A, Berkovits BV, Befeler B: A new pacemaker for simultaneous biventricular stimulation of the human heart. *Clin Res* 24:206A, April 1976.
108. Myerburg RJ, Agha AS, Befeler B, Castellanos A: Retrograde atrial activation in the human heart. *Clin Res* 24:420A, April 1976.
109. Conde CA, Mayorga-Cortes A, Sheps DS, Sung R, Mallon S, Castellanos A, Myerburg RJ: Invasive studies in the acute phase of survivors of out of the hospital ventricular fibrillation (V.F). Proceedings from the X Interamerican Congress of Cardiology, Caracas, Venezuela, September 1976 - *Arch Venezolanos Cardiol* 3:15, June 1976.
110. Mallon SM, Sung RJ, Myerburg RJ, Castellanos A: Ventricular vulnerability is not always the mechanism of arrhythmias produced by pacemaker stimuli falling on the T wave. Proceedings from the X Interamerican Congress of Cardiology, Caracas, Venezuela, September 1976 - *Arch Venezolanos Cardiol* 3:15, June 1976.
111. Gutierrez R, Levy S, Aranda JM, Befeler B, Castellanos A: Pseudo tachycardia dependent block in the Kent bundle. Proceedings from the X Interamerican Congress of Cardiology, Caracas, Venezuela, September 1976 - *Arch Venezolanos Cardiol* 3:16, June 1976.
112. Moleiro F, Castellanos A, Aranda J, Mallon S, Befeler B: Effects of the pacing site in sinus node reentrant tachycardia. Proceedings from the X Interamerican Congress of Cardiology, Caracas, Venezuela, September 1976 - *Arch Venezolanos Cardiol* 3:18, June 1976.
113. Lemberg L, Castellanos A, Levy S, Mayorga-Cortes A: Prognosis of complete left bundle branch block in acute inferior wall myocardial infarction. Proceedings from the X Interamerican Congress of Cardiology, Caracas, Venezuela, September 1976 - *Arch Venezolanos Cardiol* 3:54, June 1976.
114. Mayorga-Cortes A, Castellanos A, Myerburg RJ: Improved survival of cardiogenic shock secondary to acute myocardial infarction with the use of vasodilators. Proceedings from the X Interamerican Congress of Cardiology, Caracas, Venezuela, September 1976 - *Arch Venezolanos Cardiol* 3:58, June 1976.

115. Myerburg RJ, Sanders R, Gelband H, Bassett AL, Castellanos A: Electrophysiologic consequences of variations in resting tension on canine cardiac tissue. Proceedings from the X Interamerican Congress of Cardiology, Caracas, Venezuela, September 1976 - Arch Venezolanos Cardiol 3:78, June 1976.
116. Sardi EG, Gottlieb S, Kallos N, Garcia E, Koorki A, Miale A Jr, Castellanos A Jr: Mitral valve prolapse: Echocardiographic analysis in 314 patients. Proceedings from the X Interamerican Congress of Cardiology, Caracas, Venezuela, September 1976 - Arch Venezolanos Cardiol 3:103, June 1976.
117. Castellanos A, Sung RJ, Befeler B, Myerburg RJ: The pattern of retrograde atrial activation in patients with and without concealed Wolff-Parkinson-White syndrome. Proceedings from the X Interamerican Congress of Cardiology, Caracas, Venezuela, September 1976 - Arch Venezolanos Cardiol 3:111, June 1976.
118. Sung RJ, Castellanos A, Mallon SJ, Myerburg RJ: Diagnosis of right bundle branch extrasystoles using intracavitary recordings. Proceedings from the X Interamerican Congress of Cardiology, Caracas, Venezuela, September 1976 - Arch Venezolanos Cardiol 3:112, June 1976.
119. Garcia OL, Sung RJ, Tamer DM, Castellanos A Jr, Myerburg RJ, Gelband H: Analysis of surgically induced right bundle branch block pattern using intracardiac recording techniques. Proceedings from the X Interamerican Congress of Cardiology, Caracas, Venezuela, September 1976 - Arch Venezolanos Cardiol 3:114, June 1976.
120. Agha AS, Castillo CA, Befeler B, Sung RJ, Myerburg RJ, Castellanos A: Impulse formation in Kent, Mahaim and James tracts. Proceedings from the X Interamerican Congress of Cardiology, Caracas, Venezuela, September 1976. - Arch Venezolanos Cardio 13:115, June 1976.
121. Castillo CA, Castellanos A, Agha AS, Myerburg RJ: Right septal activation as a function of the divisions of the right bundle branch and the mechanisms of Wolff-Parkinson-White type B coexisting with right bundle branch block. Proceedings from the X Interamerican Congress of Cardiology, Caracas, Venezuela, September 1976 - Arch Venezolanos Cardiol 3:115, June 1976.
122. Levy S, Gerard R, Castellanos A, Ghahramani A, Sommer LS: Left anterior hemiblock: Hemodynamic and coronary arteriographic aspects in patients with coronary artery disease. Proceedings from the X Interamerican Congress of Cardiology, Caracas, Venezuela, September 1976 - Arch Venezolanos Cardiol 3:124, June 1976.
123. Berkovits BV, Aranda JM, Castellanos A, Befeler B: A new pacemaker for simultaneous biventricular stimulation of the human heart. Proceedings from the X Interamerican Congress of Cardiology, Caracas, Venezuela, September 1976. - Arch Venezolanos Cardiol 3:169, June 1976.

124. Moleiro F, Castellanos A, Sung RJ, Mallon SM, Ghahramani A, Myerburg RJ: Intracardiac recordings in manifest and concealed right bundle branch extrasystoles. *Circulation* 54:II-136, October 1976.
125. Bloom MG, Mallon SM, Sung RJ, Mayorga-Cortes A, Thurer RJ, Castellanos A: Time-dependent partial recycling of the implanted pacemaker corroborated by programmed intracardiac stimulation. *Clin Res* 25:2A, January 1977.
126. Mendoza IJ, Sung RJ, Mallon SM, Castellanos A: Retrograde atrial activation patterns produced during attempted His bundle pacing in man. *Clin Res* 25:6A, January 1977.
127. Sung RJ, Mallon SM, Garcia OL, Aranda JM, Castellanos A: Chronic reciprocating tachycardia and atrial reciprocal rhythm related to concealed Wolff-Parkinson-White syndrome. *Clin Res* 25:8A, Jan 1977.
128. Myerburg RJ, Sung RJ, Conde C, Mallon SM, Castellanos A: Intracardiac electrophysiologic studies in patients resuscitated from unexpected cardiac arrest outside the hospital. *Am J Cardiol* 39:275, February 1977.
129. Conde C, Castellanos A, Sheps DS, Sung RJ, Briese FW, Myerburg RJ: Asymptomatic complex ventricular arrhythmias in long-term survivors of unexpected cardiac arrest. *Am J Cardiol* 39:276, February 1977.
130. Sheps DS, Ernst JC, Conde CA, Lopez LV, Castellanos A, Briese FR, Myerburg RJ: Decreased frequency of exercise-induced ventricular ectopic activity in the second of two consecutive treadmill. *Am J Cardiol* 39:288, February 1977.
131. Garcia OL, Sung RJ, Ferrer P, Tamer D, Castellanos A, Gelband H: Mechanisms of supraventricular tachycardia initiated during sinus rhythm in children. *Am J Cardiol* 39:304, February 1977.
132. Sung RJ, Castellanos A, Mallon SM, Bloom MG, Myerburg RJ: Mechanisms of spontaneous conversion between reciprocating tachycardia and atrial flutter-fibrillation in the Wolff-Parkinson-White syndrome. *Am J Cardiol* 39:319, February 1977.
133. Befeler B, Gutierrez R, Levy S, Aranda JM, Castellanos A: Mechanisms of pseudo-tachycardia dependent block in accessory pathways of the Kent bundle type. *Clin Res* 25:208A, April 1977.
134. Ferrer PL, Garcia OL, Hernandez F, Jesse MJ, Castellanos A: Echocardiographic findings in isolated right ventricular hypoplasia. *Clin Res* 25:221A, April 1977.
135. Mayorga-Cortes A, Castellanos A, Moleiro F, Sung RJ, Pimenta de Almeida JA, Myerburg RJ: Arrival of excitation at the right ventricular apex in inferoposterior wall myocardial infarction with and without Mahaim tract conduction. *Clin Res* 25:237A, April 1977.

136. Mendoza IJ, Castellanos A, Sung RJ, Myerburg RJ: Diagnosis of impulse formation and concealed conduction in A-V nodal bypass tracts by intracardiac recordings. Clin Res 25:238A, April 1977.
137. Myerburg RJ, Bassett AL, Morales AR, Sung RJ, Castellanos A Jr, Gelband H: Chronic ventricular arrhythmias in cats surviving experimental myocardial infarction: Characterization of the initiating event. Clin Res 25:240A, April 1977.
138. Sung RJ, Castellanos A, Mallon SM, Gelband H, Mendoza I, Myerburg RJ: The mode of initiation of reciprocating tachycardia during programmed ventricular stimulation in the Wolff-Parkinson-White syndrome. Clin Res 25:257A, April 1977.
139. Myerburg RJ, Conde C, Briesse FW, Mallon SM, Liberthson RR, Sung RJ, Castellanos A Jr: Long-term antiarrhythmic therapy and mortality trends in survivors of prehospital cardiac arrest. Clin Res 25:456A, April 1977.
140. Sung RJ, Castellanos A, Styperek J, Myerburg RJ: Initiation of an unusual form of A-V nodal reentrant tachycardia by atrial and ventricular premature stimulation. Circulation 56:III-105, Oct 1977.
141. Castellanos A, Sung RJ, Bloom MG, Myerburg RJ: Effects of intra-atrial Wenckebach on A-V nodal and His-Purkinje conduction. Circulation 56:III-183, October 1977.
142. Bloom MG, Sung RJ, Castellanos A, Myerburg RJ: Responses of QRS- inhibited pacemakers to rapid (1500/min) external chest wall stimulation. Clin Res 26:1A, January 1978.
143. Sung RJ, Aldrich JL, Castellanos A, Myerburg RJ: Demonstration of concealed conduction in the human atrium. Clin Res 26:12A, January 1978.
144. Ferrer PL, Redlener I, Garcia OL, Gelband H, Castellanos A: Nonspecific myocarditis associated to transient complete atrioventricular block requiring intracardiac pacing. Clin Res 26:67A, January 1978.
145. Myerburg RJ, Bassett AL, Nilsson K, Castellanos A, Sung RJ, Gelband H: Electrophysiologic interactions between acute ischemia and healed experimental myocardial infarctions in cats. Am J Cardiol 41:365, February 1978.
146. Castellanos A, Sung RJ, Styperek J, Myerburg RJ: Mechanisms of tachyarrhythmias in the Lown-Ganong-Levine syndrome. Am J Cardiol 41:373, February 1978.
147. Myerburg RJ, Castellanos A, Sung RJ: The electrocardiographic complex of short P-R interval, narrow QRS complex, and ventricular tachycardia. Clin Res 26:254A, April 1978.

148. Rozanski JJ, Mayorga-Cortes A, Sung RJ, Castellanos A, Myerburg RJ: Determination of the site of post-infarction right bundle branch block using intracardiac recording techniques. *Clin Res* 26:266A, April 1978.
149. Sung RJ, Aldrich JL, Castellanos A, Myerburg RJ: Demonstration of concealed conduction in the human atrium. *Clin Res* 26:273A, April 1978.
150. Sung RJ, Castellanos A, Styperek JL, Myerburg RJ: Clinical syndrome of chronic supraventricular tachycardia. *Clin Res* 26:273A, April 1978.
151. Sung RJ, Castellanos A, Myerburg RJ: Electrophysiological demonstration of concealed conduction in the human atrium. *Circulation* 58:II-10, October 1978.
152. Styperek JL, Sung RJ, Berkovits BV, Myerburg RJ, Castellanos A: Simultaneous atrioventricular stimulation in the control of recurrent supraventricular tachycardia. *Circulation*, 58:II-48, October 1978.
153. Sung RJ, Myerburg RJ, El-Sherif N, McAllister RG Jr, Elser B, Castellanos A: Termination of supraventricular tachycardia by verapamil in man: Correlation of plasma drug levels with intracardiac electrophysiologic studies. *Circulation* 58:II-177, October 1978.
154. Conde CA, Sung RJ, Castellanos A, Mallon SM, Sheps DS, Myerburg RJ: Dissociation of antiarrhythmic drug effects on chronic ventricular arrhythmias and recurrent cardiac arrest. *Circulation* 58:II-178, October 1978.
155. Sheps D, Conde C, Lo W, Appel R, Castellanos A, Myerburg RJ: Resting peripheral blood lactate elevation in survivors of pre-hospital cardiac arrest: Correlation with hemodynamics and electrophysiological status. *Circulation* 58:II-192, October 1978.
156. Castellanos A, Sung RJ, Myerburg RJ: Ventricular tachycardia and ventricular fibrillation in patients with short P-R intervals and narrow QRS complexes. *Circulation* 58:II-195, October 1978.
157. Styperek JL, Castellanos A, Sung RJ, Berkovits BV, Myerburg RJ: Control of recurrent atrioventricular nodal reentrant tachycardia using a new modality of cardiac pacing. *Clin Res* 26:273A, 1978.
158. Rozanski JJ, Myerburg RJ, Castellanos A, El-Sherif N, Kleinfeld M: T-Q segment (baseline) alternans: A new ECG phenomenon in Prinzmetal's angina. *Clin Res* 27:200A, April 1979.
159. Sheps D, Conde CA, Appel R, Castellanos A, Myerburg RJ: Lactate production after minimal exercise: Abnormal elevation of blood lactate in survivors of prehospital cardiac arrest. *Clin Res* 27:203A, April 1979.
160. Sung RJ, Waxman HL, Rozanski JJ, Castellanos A, Myerburg RJ: Mechanism of

verapamil-induced high degree atrioventricular nodal block and its clinical implications. Clin Res 27:207A, April 1979.

161. Berkovits BV, Castellanos A, Dreifus LS, Lemberg L, Levy S, Obel P: Double demand sequential for the termination of paroxysmal reentry tachyarrhythmias. Digest of the Combined Meeting: XII International Conference on Medical & Biological Engineering and V International Conference on Medical Physics, Jerusalem, Israel, Vol I, page 2, August 1979.
162. Berkovits BV, Castellanos A, Dreifus L, Lemberg L, Levy S, Mandel WJ, Obel P: Double demand sequential pacing for the termination of paroxysmal reentry tachyarrhythmias. PACE 2:A-15(54), Sept-Oct 1979.
163. Thurer RJ, Sung RJ, Berkovits BV, Castellanos A: Recurrent supraventricular tachycardia. Control by simultaneous atrioventricular stimulation. PACE 2:A-23(83), Sept-Oct 1979.
164. Rozanski JJ, Myerburg RJ, Castellanos A: A new ECG wave form identified by signal averaging in patients with recurrent ventricular tachycardia. Circulation 60:II-22, October 1979.
165. Castellanos A, Alatraste VM, Sung RJ, Sheps D, Myerburg RJ: Absence of modulation in intermittent ventricular parasystole. Circulation 60:II- 189, October 1979.
166. Rozanski JJ, Myerburg RJ, Castellanos A, El-Sherif N, Kleinfeld M: T-Q segment (baseline) alternans: A new ECG phenomenon in Prinzmetal angina accompanying ST segment alternans. Circulation 60:II-190, October 1979.

1980 - 1989

167. Castellanos A, Waxman HL, Berkovits BV, Sung RJ: Evaluation of an implantable programmable multimodal (DVI-DVO; DOO sequential; and DOO simultaneous) pacemaker for the control of supraventricular tachycardias. Am J Cardiol 45:457, February 1980.
168. Myerburg RJ, Gelband H, Epstein K, Gaide MS, Sung RJ, Castellanos A, Bassett AL: Cellular electropharmacology in experimental ischemic lesions: Comparison in acute and healed ischemic injury. Am J Cardiol 45:473, February 1980.
169. Medina-Ravel V, Berkovits BV, Castillo CA, Myerburg RJ and Castellanos A: An artificial model of intermittent ventricular parasystole with phase 3 and 4 protection. Clin Research 28,No.2:196A, April 1980.
170. Rozanski J, Castellanos A, Sung R, Pozen R and Myerburg RJ: Correlation between invasive and non-invasively recorded His bundle electrograms in suspected trifascicular disease. Clin Res 28,No.2:207A, April 1980.

171. Berkovits B, Castellanos A, Dreifus LS, Lemberg L, Levy S, Mandel WJ, Obel P: Double demand sequential pacing for treatment of paroxysmal reentry tachyarrhythmias. PACE 3, No. 3:364, May-June 1980.
172. Castellanos A, Berkovits BV, Castillo CA, Myerburg RJ: An artificial model of intermittent parasystole with phase 3 and phase 4 protection. PACE 3, No.3:366, May-June 1980.
173. Medina-Ravell V, LaSalle R, Lander O, Hernandez M, Castellanos A Jr, Moleiro F, Mendoza I, Bello A, Berkovits B, Maduro C, Guerra O, Rodriguez L: Atrioventricular sequential pacing in chronic Chagas cardiomyopathy. New therapeutic approach for an old pathology. PACE 3, No.3:379, May-June, 1980.
174. Medina-Ravell V, LaSalle R, Lander O, Hernandez M, Castellanos A Jr, Moleiro F, Mendoza I, Bello A, Maduro C, Guerra O, Rodriguez L: Clinical experience in 135 chagas patients treated with tined leads. Absence of dislodgement - 42 months follow-up. PACE 3, No. 3:379, May- June 1980.
175. Medina-Ravell V, LaSalle R, Lander O, Hernandez M, Castellanos A, Moleiro F, Mendoza I, Bello A, Maduro C, Guerra O, Rodriguez L: Clinical experience in 135 chagasic patients treated with tined leads. Absence of dislodgement - 42 months follow-up. Proceedings of the XI Interamerican Congress of Cardiology, San Juan, Puerto Rico. #23,p 25, September 1980.
176. Medina-Ravell V, LaSalle R, Castellanos A, Lander O, Berkovits BV, Hernandez M, Moleiro F, Mendoza I, Bello A, Maduro C, Rodriguez L: Treatment of torsades de pointes in chronic chagasic cardiomyopathy with atrioventricular sequential pacing. Proceedings of the XI Interamerican Congress of Cardiology, San Juan, Puerto Rico. #25,p 25, September 1980.
177. Myerburg RJ, Gelband H, Bassett AL, Castellanos A: Cellular electrophysiologic interactions between acute myocardial ischemia and healed myocardial infarction in experimental coronary occlusion. Proceedings of the XI Interamerican Congress of Cardiology, San Juan, Puerto Rico. #90, p 43, September 1980.
178. Mendoza I, Moleiro F, Sung RJ, Castellanos A: Nuevos criterios para diferenciar la estimulación del nodo A-V de la del haz de His. Proceedings of the XI Interamerican Congress of Cardiology, San Juan, Puerto Rico. #158, p 63, September 1980.
179. Mayorga-Cortes A, Rozanski JJ, Sung RJ, Castellanos A, Myerburg RJ: The right ventricular apical electrogram in post-infarction manifest and concealed right bundle branch block. Proceedings from the XI Interamerican Congress of Cardiology, San Juan, Puerto Rico. #160, p 63, September 1980.
180. Thurer R, Castellanos A, Rozanski JJ, Myerburg RJ and Sung RJ: Effects of simulated electromagnetic interference on normally- functioning QRS-inhibited pacemakers. Proceedings from the XI Interamerican Congress of Cardiology, San Juan, Puerto Rico. #161, p 63, September 1980.

181. Elencwajg B, Alatríste VM, Sung RJ, Myerburg RJ, Castellanos A: Corroboration of the theory of alternating Wenckenbach periods with His bundle recordings. Proceedings from the XI Interamerican Congress of Cardiology, San Juan, Puerto Rico. #165, p 64, September 1980.
182. Berkovits BV, Castellanos A, Dreifus LS, Lemberg L, Levy S, Mandel WJ, Obel P: Double demand sequential pacing for paroxysmal reentry tachycardias. Proceedings from the XI Interamerican Congress of Cardiology, San Juan, Puerto Rico. #167, p 65, September 1980.
183. García HG, Pefkaros K, Mayorga-Cortés A, Myerburg RJ, Castellanos A: A phenomenon predictor of prophylactic pacing in acute inferior wall myocardial infarction. Proceedings from the XI Interamerican Congress of Cardiology, San Juan, Puerto Rico. #173, p 67, September 1980.
184. Pastoriza J, Sung RJ, Myerburg RJ, Castellanos A: Electrocardiographic patterns produced by A-V block in patients with A-V nodal bypass tracts. Proceedings from the XI Interamerican Congress of Cardiology, San Juan, Puerto Rico. #176, p 68, September 1980.
185. Castillo CA, Medina-Ravell V, Berkovits BV, Myerburg RJ, Castellanos A: An electronic model of intermittent ventricular parasystole with phase 3 and phase 4 protection. Proceedings from the XI Interamerican Congress of Cardiology, San Juan, Puerto Rico. #180, p 69, September 1980.
186. Rozanski JJ, Castellanos A, Marquez J, Vargas A, Myerburg RJ: Delayed depolarization in ventricular tachycardia associated with left ventricular aneurysms. Post surgical disappearance. Proceedings from the XI Interamerican Congress of Cardiology, San Juan, Puerto Rico. #180, p 70, September 1980.
187. García OL, Castellanos A, Casta A, Vagueiro MC, Myerburg RJ, Gelband H: Left ventricular apical activation times in children with Wolff-Parkinson-White syndrome type B. Proceedings from the XI Interamerican Congress of Cardiology, San Juan, Puerto Rico. #202, p 75, September 1980.
188. Pefkaros K, Castellanos A, Mayorga-Cortés A, Myerburg RJ: Profound bradycardia and apparent ventricular tachycardia after lidocaine administration. Proceedings from the XI Interamerican Congress of Cardiology, San Juan, Puerto Rico. #253, p 89, September 1980.
189. Ramírez AV, Sprung C, Mayorga-Cortés A, Myerburg RJ, Castellanos A: Right bundle branch block with left anterior hemiblock and left posterior hemiblock produced by Swan-Ganz catheters. Proceedings from the XI Interamerican Congress of Cardiology, San Juan, Puerto Rico. #285, p 98, September 1980.
190. Ferreira J, Castellanos A, Pefkaros K, Myerburg RJ: Effects of lidocaine on bidirectional ventricular tachycardia. Proceedings from the XI Interamerican Congress of Cardiology, San Juan, Puerto Rico. #306, p 104, September 1980.

191. Aranda JM, Myerburg RJ, Sung RJ, Castellanos A: Ventricular tachyarrhythmias in the Lown-Ganong-Levine syndrome. Proceedings from the XI Interamerican Congress of Cardiology, San Juan, Puerto Rico. #307, p 104, September 1980.
192. Mendoza I, Moleiro F, Tortoledo F, Medina V, Castellanos A, Casal H: Tratamiento de la taquicardia ventricular resistente con mexiletine. Proceedings from the XI Interamerican Congress of Cardiology, San Juan, Puerto Rico. #308, p 104, September 1980.
193. Conde C, Myerburg RJ, Cooper D, Castellanos A. Sudden death: Prognostic value of hemodynamic and arrhythmic characteristics in long-term survivors and a group of patients with recurrent cardiac arrest and death. Proceedings from the XI Interamerican Congress of Cardiology, San Juan, Puerto Rico. #310, p 105, September 1980.
194. Castellanos A, Berkovits BV, Waxman HL, Moleiro F, Sung RJ: Preliminary studies with an implantable multimodal sequential pacemaker for reciprocating tachycardias. Proceedings from the XI Interamerican Congress of Cardiology, San Juan, Puerto Rico. #312, p 105, September 1980.
195. Hernandez EE, Castellanos A, Aranda JM, Myerburg RJ: His bundle recordings in digitalis induced arrhythmias. Proceedings from the XI Interamerican Congress of Cardiology, San Juan, Puerto Rico. #313, p 106, September 1980.
196. Mendoza IJ, Moleiro F, Castellanos A, Sung RJ: Wolff-Parkinson-White type B with phase 3 block in the accessory pathway and in the left bundle branch coexisting with right bundle branch block. Proceedings from the XI Interamerican Congress of Cardiology, San Juan, Puerto Rico. #314, p 106, September 1980.
197. Moleiro F, Alatrste VM, Castellanos A, Sung RJ, Myerburg RJ: The genesis of paroxysmal A-V nodal block. Proceedings from the XI Interamerican Congress of Cardiology, San Juan, Puerto Rico. #315, p 106, September 1980.
198. Rozanski JJ, Castellanos A, Sung RJ, Myerburg RJ: Comparison of non- invasive and invasive His bundle recordings in conduction system disease. Proceedings from the XI Interamerican Congress of Cardiology, San Juan, Puerto Rico. #317, p 107, September 1980.
199. Conde C, Sheps D, Cooper D, Myerburg RJ, Castellanos A: Value of treadmill stress testing in the evaluation of survivors or prehospital cardiac arrest. Proceedings from the XI Interamerican Congress of Cardiology, San Juan, Puerto Rico, #344, p 114 September 1980.
200. Conde C, Myerburg RJ, Cooper D, Castellanos A: Comparative values of stress testing and serial Holter monitoring in the evaluation of cardiac arrhythmias during long-term follow-up of survivors of prehospital cardiac arrest. Proceedings from the XI Interamerican Congress of Cardiology, San Juan, Puerto Rico. #404, p 131, September 1980.

201. Perez-Sanz T, Berkovits BV, Myerburg RJ, Castellanos A: Inadequacy of single-lead monitoring systems for electrocardiographic evaluation of implanted pacemakers. Proceedings from the XI Interamerican Congress of Cardiology, San Juan, Puerto Rico. #408, p 132, September 1980.
202. Medina-Ravell V, LaSalle R, Lander O, Hernandez M, Castellanos A, Moleiro F, Mendoza I, Bello A, Berkovits BV, Maduro C, Guerra O, Rodriguez L: Atrioventricular sequential pacing in chronic chagasic cardiomyopathy. New therapeutic approach for an old pathology. Proceedings from the XI Interamerican Congress of Cardiology, San Juan, Puerto Rico. #410, p 133, September 1980.
203. Moleiro F, Castellanos A, Alatrisme VM, Sung RJ, Myerburg RJ: A search for modulation in intermittent ventricular parasystole. Proceedings from the XI Interamerican Congress of Cardiology, San Juan, Puerto Rico. #421, p 136, September 1980.
204. Myerburg RJ, Kessler KM, Conde C, Pefkaros K, Cooper D, Castellanos A: Comparison of plasma levels of procainamide required to prevent ventricular tachycardia and to suppress chronic premature ventricular contractions. *Circulation* 62:III-322, October 1980.
205. Gaide MS, Myerburg RJ, Gelband H, Castellanos A, Bassett AL: Non-uniform effects of sympathetic nerve stimulation on ventricular refractoriness in healed myocardial infarction: Comparison to acute infarction. *Am J Cardiol* 47:436, February 1981.
206. Rozanski JJ, Castellanos A, Luceri R, Alter BR, Pozen RG, Myerburg RJ: Noninvasive His bundle recording: Experience from three years of clinical trials. *Am J Cardiol* 47:465, February 1981.
207. Rozanski JJ, Silver J, Epstein K, Castellanos A, Myerburg RJ: Cellular electrophysiologic studies of sulfinpyrazone. *Clin Res* 29:237A, April 1981.
208. Myerburg RJ, Bassett AL, Gelband H, Wong SS, Gaide MS, Silver J, Epstein K, Castellanos A: Synergistic effects of encainide and procainamide on isolated cat ventricular muscle. *Clin Res* 29:496A, April 1981.
209. Maloney JD, Medina-Ravell V, Pieretti OH, Portillo B, Maduro C, Castellanos A, Berkovits B: Follow-up assessment of dual-demand, dual-chamber DVI-DVO pacing for automatic conversion, control, and prevention of refractory paroxysmal supraventricular tachycardia. *PACE* 4:A-57, May-June 1981.
210. Rozanski JJ, Zaman L, Myerburg RJ, Castellanos A: Beneficial effects of diltiazem in supraventricular tachycardia in man. *Circulation* 64:IV-317, October 1981.
211. Luceri RM, Ramirez AV, Medina-Ravell V, Thurer RJ, Castellanos A, Myerburg RJ: Ventricular tachycardia and atrioventricular reciprocation produced by, and myopotential inhibition of, normally-functioning DVI (AV sequential) pacemakers. *Am J Cardiol* 49:953, March 1982.

212. Moleiro F, Castellanos A, Mendoza JJ, Medina-Ravell V, Myerburg RJ: One-to-one atrioventricular conduction during atrial pacing at rates of 300/min in absence of Wolff-Parkinson-White syndrome. *Am J Cardiol* 49:994, March 1982.
213. Mendoza JJ, Zaman L, Moleiro F, Medina-Ravell V, Myerburg RJ, Castellanos A, Rozanski JJ: Toxicity of the ajmaline test used to expose latent atrioventricular block. *Clin Res* 30:255A, April 1982.
214. Pefkaros KC, Castellanos A, Ferreiro J, Rozanski JJ, Moleiro F, Myerburg RJ: Effects of lidocaine on bidirectional tachycardia and on digoxin-induced atrial tachycardia with block. *Clin Res* 30:256A, April 1982.
215. Portillo B, Medina-Ravell V, Portillo-Leon N, Maduro C, Mejias J, Berkovits BV, Castellanos A: Implantable dual demand AV sequential pacemaker for drug-resistant tachycardias. Proceeding from the IX World Congress of Cardiology, Moscow, Russia, June 1982.
216. Pina I, Luceri RM, Ramirez AV, Medina-Ravell V, Thurer RJ, Castellanos A, Myerburg RJ: Ventricular tachycardia and atrioventricular reciprocation produced by, and myopotential inhibition of, normally-functioning DVI (AV sequential) pacemakers. Proceedings from the International Symposium on Cardiac Arrhythmias published in Abstract Book of the International Symposium on Cardiac Arrhythmias, Levy S, Gerard R, Eds. Marseille, France, June 1982, p 103.
217. Castellanos A, Zaman L, Rozanski JJ, Garcia N, Myerburg RJ: Conduction delay and block distal to the A-V nodal re-entry circuit: Relationship of electrophysiology manifestations to underlying mechanisms. *Circulation* 66:II-268, October 1982.
218. Luceri RM, Zaman L, Moleiro F, Castellanos A, Myerburg RJ: Ventricular parasystole in inferior myocardial infarction. *Clin Res* 30:830A, December 1982.
219. Zaman L, Castellanos A, Moleiro F, Rozanski JJ, Luceri RM, Myerburg RJ: The electrocardiographic and clinical spectrum of vagal block at the atrioventricular node. *Clin Res* 30:836A, December 1982.
220. Kayden D, Luceri RM, Zaman L, Moleiro F, Myerburg RJ, Castellanos A: Mechanisms and implications of ventricular parasystole in inferior myocardial infarction. *PACE* 6:323 March-April, 1983.
221. Zaman L, Castellanos A, Garcia N, Myerburg RJ: Identification of dual A-V nodal pathways in the absence of antegrade discontinuous conduction curves. *Clin Res* 31:228A, April 1983.
222. Zaman L, Castellanos A, Aonuma K, Iesaka Y, Miki R, Gosselin AJ, Lister JW, Rozanski JJ: Clinically beneficial effects of diltiazem hydrochloride on supraventricular tachyarrhythmias. *Clin Res* 31:255A, April 1983.

223. Zaman L, Luceri R, Pefkaros K, Hamburg C, Castellanos A, Myerburg RJ: Results of programmed electrical stimulation in patients with spontaneous ventricular ectopy and suspected advanced forms of arrhythmias. Clin Res 31:228A, April 1983.
224. Myerburg RJ, Zaman L, Luceri R, Kozlovskis P, Bassett AL, Kayden D, Castellanos A: Impulse propagation from the intraventricular specialized conducting system to endocardial muscle in the isolated canine heart. PACE 6:A-8 (#30), May 1983.
225. Castellanos A, Zaman L, Moleiro F, Rozanski JJ, Myerburg RJ: Indications for pacemaker implantation in patients with vagal block at the AV node. PACE 6:A-18 (#67), May 1983.
226. Luceri RM, Medina-Ravell V, Castellanos A, Zaman L, Berkovits BV, Thurer RJ, Myerburg RJ: Eccentricities of DDD pulse generator. PACE 6:A-35 (#125), 1983.
227. Luceri RM, Zaman L, Garcia N, Myerburg RJ, Castellanos A: Evaluation of the conduction properties of antegrade slow and retrograde fast A-V nodal pathways. PACE 6:A-111 (#411), May 1983
228. Castellanos A, Zaman L, Garcia N, Kayden D, Myerburg RJ: Mechanism of A-V nodal reentrant tachycardia in patients without discontinuous antegrade conduction curves. PACE 6:A-125 (#463), May 1983.
229. Zaman L, Luceri RM, Hamburg C, Castellanos A, Myerburg RJ: Use of programmed electrical stimulation for the induction of ventricular tachycardia in patients symptomatic with high grade ventricular ectopy. PACE, 6:A-140 (#516), May 1983.
230. Medina-Ravell V, Maduro C, Portillo B, Berkovits BV, Castellanos A: Follow-up of 25 patients with implantable antitachycardia DVI,MN pulse generators. PACE 6:A-145 (#538), May 1983.
231. Portillo Acosta B, Medina-Ravell V, Castellanos A, Berkovits B: Follow-up of 25 patients with implanted DVI,MN pacemakers. Proceedings from the IV Venezuela Congress of Cardiology, Porlamar, Venezuela, p #5., 1983, October 1983.
232. Moleiro F, Castellanos A, Mendoza I, Myerburg RJ: Ventricular parasystole in inferior infarction. Proceedings from the IV Venezuela Congress of Cardiology, Porlamar, Venezuela, p#9, October 1983.
233. Mejias J, Portillo-Leon N, Portillo B, Castellanos A: Entrainment of nodal AV reentrant tachycardia during stimulation from the right atrium and from the coronary sinus. Proceedings from the IV Venezuela Congress of Cardiology, Porlamar, Venezuela, p #41, October 1983.

234. Mejias J, Portillo-Leon N, Portillo B, Castellanos A: Pre-entrainment of an AV reentrant tachycardia during high right atrial pacing. Proceedings from the IV Venezuela Congress of Cardiology, Porlamar, Venezuela, p #45, October, 1983.
235. Myerburg RJ, Luceri RM, Estes D, Kessler KM, Conde CA, Zaman L, Hamburg C, Castellanos A: Survival after prehospital cardiac arrest: An 8 year follow-up. *Circulation* 68:III-106 (424), October 1983.
236. Myerburg RJ, Zaman L, Luceri R, Hamburg C, Estes D, Kayden D, Castellanos A: Prehospital cardiac arrest with idioventricular rhythm. *Circulation* 68:III-356 (1424), October 1983.
237. Zaman L, Brossy C, Estes D, Castellanos A, Myerburg RJ: Relationship of the prematurity and morphology of the initiating beat to spontaneous onset of ventricular tachycardia. *Circulation* 68:III-425 (1701), October 1983.
238. Luceri RM, Selby T, Castellanos A, Zaman L, Myerburg RJ: Initial experience with WY-42, 362, a new antiarrhythmic agent for ventricular arrhythmias. Proceedings from the VIII Asian-Pacific Congress of Cardiology. Tapei, Taiwan, Republic of China, November-December, 1983, p 228, (A-855).
239. Luceri RM, Castellanos A, Kayden DS, Anzola E, Myerburg RJ: Deaths due to bradyarrhythmias occurring during Holter monitoring. *Clin Res* 31:826A, December 1983.
240. Zaman L, Portillo B, Castellanos A, Mejias J, Leon-Portillo N, Myerburg RJ: Right atrial-ventricular dissociation during, and entrainment of circus movement tachycardia while, pacing from coronary sinus and high right atrium. *Clin Res* 31:831A, December 1983.
241. Haffajee C, Charos G, Castellanos A, Berkovits B: Self-adapting overdrive demand pacing as a method for terminating ventricular tachycardia. *J Am Coll Cardiol* 3:555, February 1984.
242. Luceri RM, Thurer RJ, Castellanos A, Zaman L, Myerburg RJ: Telemetry of intracardiac atrial and ventricular electrograms: A new technique for analysis and management of brady and tachyarrhythmias. *J Am Coll Cardiol* 3:581, February 1984.
243. Castellanos A, Moleiro F, Kayden DS, Luceri RM, Myerburg RJ: Annihilation and modulation of spontaneous parasystolic rhythms. *J Am Coll Cardiol* 3:598, February 1984.
244. Castellanos A, Moleiro F, Kayden DS, Trohman RG, Myerburg RJ: Modulation and annihilation of ventricular parasystole. *Clin Res* 32:185A, April 1984.
245. Zaman L, Portillo B, Castellanos A, Leon-Portillo N, Mejias J, Trohman RG, Myerburg RJ: Entrainment of, and atrioventricular dissociation during, atrioventricular nodal reentry tachycardias. *Clin Res* 32:219A, April 1984.

246. Luceri RM, Castellanos A, Zaman L, Selby T, Myerburg RJ: Efficacy and safety of intravenous WY-42,362. A new antiarrhythmic agent for ventricular arrhythmias. Clin Res 32:244A, April 1984.
247. Myerburg RJ, Zaman L, Luceri R, Kozlovskis P, Bassett AL, Kayden D, Castellanos A: Propagacion del impulso desde el sistema de conduccion especializado intraventricular al musculo endocardico en el corazon aislado del perro. Marcapasos y Electrofisiologia 1:64, April-June 1984.
248. Castellanos A, Zaman L, Moleiro F, Rozanski JJ, Myerburg RJ: Indicaciones para la implantacion de marcapasos en pacientes con bloqueo vagal en el nodo AV. Marcapasos y Electrofisiologia 1:73, April-June 1984.
249. Luceri RM, Medina-Ravell V, Castellanos A, Zaman L, Berkovits BV, Thurer RJ, Myerburg RJ: Excentricidades de los generadores de pulso DDD. Marcapasos y Electrofisiologia 1:88, April-June 1984.
250. Luceri R, Zaman L, Garcia N, Myerburg RJ, Castellanos A: Estudio de las propiedades de conduccion de las vias del nodo AV lenta anterograda y rapida retrograda. Marcapasos y Electrofisiologia 1:160, April-June 1984.
251. Castellanos A, Zaman L, Garcia N, Kayden D, Myerburg RJ: Mecanismos de la taquicardia por reentrada del nodo A-V en pacientes sin curvas descontinuas en la conduccion anterograda. Marcapasos y Electrofisiologia 1:173, April-June 1984.
252. Zaman L, Luceri R, Hamburg C, Castellanos A, Myerburg RJ: Uso de la estimulacion programada para la induccion de taquicardia ventricular en pacientes sintomaticos con alto grado de ectopias ventriculares. Marcapasos y Electrofisiologia 1:186, April-June 1984.
253. Medina-Ravell V, Maduro C, Portillo B, Berkovits BV, Castellanos A: Seguimiento de 25 pacientes con un marcapaso antitaquicardia implantable DVI,MN. Marcapasos y Electrofisiologia 1:192, April-June 1984.
254. Castellanos A, Portillo B, Leon-Portillo N, Mejias J, Trohman RG, Zaman L, Myerburg RJ: Entrainment of, and atrial-tachycardia dissociation during, atrioventricular nodal reentry tachycardia. PACE 7:I-8 May-June, 1984.
255. Luceri RM, Castellanos A, Kayden DS, Moleiro F, Trohman RG, Horgan JT, Myerburg RJ: Phase resetting of ventricular parasystolic rhythms produced by extrinsic perturbations. PACE 7:I-461, May-June 1984.
256. Luceri RM, Trohman RG, Parker ML, Thurer RJ, Castellanos A, Myerburg RJ: Conduction system and dysrhythmia surveillance using noninvasive telemetry of intracardiac electrograms. PACE 7:I-472, May-June 1984.

257. Castellanos A, Portillo B, Luceri RM, Leon-Portillo N, Mejias J, Zaman L, Myerburg RJ: Entrainment of, and atrioventricular nodal reentry tachycardias. *Europ Heart J* 5:Suppl 1-193, June 1984.
258. Haffajee C, Castellanos A, Berkovits B, Alpert J: Self-adapting demand pacing as a potential method for terminating ventricular tachycardia. *Europ Heart J* 5:Suppl 1-257, June 1984.
259. Luceri RM, Trohman RG, Castellanos A, Zaman L, Myerburg RJ: Tachy and bradyarrhythmias analysis using intracardiac electrograms obtained non-invasively. *Europ Heart J* 5:Suppl 1-260, June 1984.
260. Portillo B, Castellanos A, Leon-Portillo N, Zaman L, Mejias J, Myerburg RJ: Pre-entrainment and entrainment of atrioventricular reentry tachycardia during overdrive coronary sinus and right atrial pacing. *Europ Heart J* 5:Suppl 1-300, June 1984.
261. Berkovits BV, Haffajee CI, Charos G, Castellanos A, Alpert J: A new bipolar DDD,MN pacemaker for treatment of bradycardias and tachycardias. Proceedings from the International Symposium on Progress in Clinical Pacing, Rome, Italy. *Cardiostimolazione* 2(3):205, September, 1984.
262. Berkovits BV, Haffajee CI, Charos G, Castellanos A, Alpert J: Self- adapting demand pacing as a potential method for terminating ventricular tachycardia. Proceedings from the International Symposium on Progress in Clinical Pacing, Rome, Italy. *Cardiostimolazione* 2(3):205, September 1984.
263. Mejias J, Portillo-Leon N, Portillo B, Castellanos A: Disociacion auriculo-ventricular y entrainment (atrapamiento) en taquicardia auriculo-ventricular que utiliza una via accesoria de larga conduccion en sentido retrogrado. Proceedings from the XVII Congress of the International Society for Cardiovascular Surgery and the XIII Seminar in Cardiology of the Venezuelan Society of Cardiology, Caracas, Venezuela, October 1984, p 76.
264. Mejias J, Portillo-Leon N, Portillo B, Castellanos A: Disociacion auriculo-ventricular y entrainment (atrapamiento) en taquicardia reciprocante auriculo-ventricular durante sobrestimulacion desde la auricula derecha y del seno venoso coronario. Proceedings from the XVII Congress of the International Society for Cardiovascular Surgery and the XIII Seminar in Cardiology of the Venezuelan Society of Cardiology, Caracas, Venezuela, October 1984, p 77.
265. Mejias J, Portillo-Leon N, Portillo B, Castellanos A: Entrainment (atrapamiento) de taquicardia atrio-ventricular por reentrada nodal durante sobreestimulacion desde la auricula derecha y del seno venoso coronario, con especial referencia a disociacion auriculo-ventricular y bloqueo retrogrado 2:1 durante la taquicardia. Proceedings from the XVII Congress of the International Society of Cardiovascular Surgery and the XIII Seminar in Cardiology of the Venezuelan Society of Cardiology, Caracas, Venezuela, October 1984, p 77.

266. Mendoza I, Moleiro F, Castellanos A: Asociacion del sindrome de Wolff- Parkinson-White con trastornos de conduccion intraventricular. Bases para el diagnostico electrofisiologico. Proceedings from the XIII Seminar in Cardiology of the Venezuelan Society of Cardiology, Caracas, Venezuela, October 1984, p 79.
267. Luceri RM, Castellanos A, Kessler KM, Selby T, Myerburg RJ: Suppression of ventricular arrhythmias with a new class I intravenous and oral propylurea derivate. *Circulation* 70:II-54, October 1984.
268. Charos G, Sofelt S, Haffajee C, Berkovits B, Castellanos A, Alpert JS: Comparison of self-adapting decremental overdrive pacing with existing anti-tachycardia pacing methods for induced ventricular tachycardia. *Circulation* 70-II:II-203, October 1984.
269. Castellanos A, Luceri RM, Zaman L, Medina-Ravell V, Myerburg RJ: Entrainment of automatic parasystolic rhythm. *Circulation* 70-II:II- 251, October 1984.
270. Saoudi N, Castellanos A, Zaman L, Portillo B, Myerburg RJ: Entrainment of, and atrioventricular dissociation during, circus movement tachycardias while pacing from the right ventricle. *Clin Res* 32:835A, December 1984.
271. Charos G, Haffajee C, Berkovits B, Gold R, Castellanos A, Alpert JS: An effective and potentially superior mode of overdrive pacing for ventricular tachycardia interruption. *PACE* 8:294(25), March-April 1985.
272. Luceri RM, Thurer RJ, Castellanos A, Stafford W, Saoudi N, Myerburg RJ: Initial experience with automatic defibrillator-implanted pacemaker interactions. *PACE* 8:296(33), March-April 1985.
273. Castellanos A, Luceri RM, Mendoza IJ, Zaman L, Castillo CA, Myerburg RJ: Concealment of manifest, and exposure of concealed, ventricular parasystole produced by isoproterenol. *PACE* 8:309(86), March-April 1985.
274. Luceri RM, Thurer RJ, Stafford W, Castellanos A, Saoudi N, Myerburg RJ: Initial experience with automatic defibrillator-implanted pacemaker interactions. *Clin Res* 33:207A, April 1985.
275. Saoudi N, Zaman L, Trohman RG, Huerta BJ, Castellanos A, Myerburg RJ: Supraventricular tachycardia with bundle branch block aberrancy: significance of changes in cycle lengths and refractory periods. *Clin Res* 33:224A, April 1985.
276. Zaman L, Trohman RG, Saoudi N, Stafford WJ, Huerta BJ, Castellanos A, Myerburg RJ: Differences in the electrophysiologic characteristics of ventricular tachycardias induced by single, double, and triple ventricular extra-stimuli. *Clin Res* 33:239A, April 1985.

277. Luceri RM, Selby T, Sisenwine SF, Castellanos A, Myerburg RJ: Pharmacokinetics and safety of a new type I antiarrhythmic agent. Clin Res 33:285A, April 1985.
278. Gold R, Haffajee C, Berkovits B, Charos G, Castellanos A: A theoretically and practically more effective method of overdrive pacing for ventricular tachycardia interruption. Proceedings from the 20th Annual Meeting of the Association for Advancement of Medical Instrumentation (AAMI), Boston, Massachusetts, May 1985, p 33.
279. Zaman L, Castellanos A, Trohman RG, Saoudi NC, Myerburg RJ: Demonstration of dual AV nodal pathways by ventricular extrastimulus: Electrophysiologic implantations. Proceedings from the III European Symposium on Cardiac Pacing, Torremolinos, Spain. PACE 8:A-29(115), May-June 1985.
280. Trohman RG, Zaman L, Stafford WJ, Myerburg RJ, Castellanos A: Anterograde and retrograde conduction characteristics of dual AV nodal pathways: Comparison with tachycardia cycle length. Proceedings from the III European Symposium on Cardiac Pacing, Torremolinos, Spain. PACE 8:A-29(116), May-June 1985.
281. Berkovits B, Haffajee C, Castellanos A, Alpert J: A new pacemaker for treatment of tachycardias. Proceedings from the III European Symposium on Cardiac Pacing, Torremolinos, Spain. PACE 8:A-67(268), May-June 1985.
282. Haffajee C, Berkovits B, Charos G, Gold R, Castellanos A: A theoretically and practically more effective method of overdrive pacing for ventricular tachycardia interruption. Proceedings from the III European Symposium on Cardiac Pacing, Torremolinos, Spain. PACE 8-A-87(345), May-June 1985.
283. Saoudi NC, Zaman L, Trohman RG, Huerta BJ, Estes DM, Castellanos A, Myerburg RJ: Relationship of spontaneous premature ventricular contractions to induced sustained ventricular tachycardia: Comparison of QRS morphologies. Proceedings from the III European Symposium on Cardiac Pacing, Torremolinos, Spain. PACE 8:A104(415), May-June 1985.
284. Young M, Castellanos A, Wolff G: Reversed alternating Wenckebach periodicity. Proceedings from the Second World Congress of Pediatric Cardiology. Doyle EF, Engle MA, Gersony WM, Rashkind WJ, Talner NS, eds, New York:Springer-Verlag, 1985:108.
285. Moleiro F, Castellanos A, Mendoza I, Myerburg RJ: Annihilation and modulation in parasystole. Proceedings from the XII Interamerican Congress of Cardiology, Vancouver, Canada, June 1985, p 40 (#100).
286. Castillo CA, Castellanos A, Mendoza II, Zaman L, Myerburg RJ: Exposure of concealed, and concealment of manifest, ventricular parasystole produced by isoproterenol. Proceedings from the XII Interamerican Congress of Cardiology, Vancouver, Canada, June 1985, p 41 (#103).

287. Medina-Ravell V, Portillo B, Leon-Portillo N, Mejias J, Maduro L, Rodriguez-Salas L, Berkovits BV, Castellanos A: Seguimiento a largo plazo de veintiocho pacientes tratados con marcapasos AV secuenciales antitaquicardia. Proceedings from the XII Interamerican Congress of Cardiology, Vancouver, Canada, June 1985, p 42 (#108).
288. Perez-Sanz T, Castellanos A, Saoudi N, Schwartz A, Myerburg RJ: Electrocardiographic patterns resulting from misplacement of right leg (ground) cable. Proceedings from the XII Interamerican Congress of Cardiology, Vancouver, Canada, June 1985, p 66 (#202).
289. Castellanos A, Saoudi NC, Zaman L, Portillo B, Myerburg RJ: Atrioventricular dissociation during, and entrainment of, circus movement tachycardias while pacing from the right ventricle. Proceedings from the XII Interamerican Congress of Cardiology, Vancouver, Canada, June 1985, p 74 (#233).
290. Berkovits B, Haffajee B, Castellanos A, Alpert J: A new pacemaker for treatment of tachycardias. Proceedings from the XII Interamerican Congress of Cardiology, Vancouver, Canada, June 1985, p 75 (#236).
291. Luceri RM, Thurer RJ, Stafford W, Castellanos A, Saoudi N, Myerburg RJ: Clinical experience with device combinations: Automatic defibrillator-implanted pacemaker. Proceedings from the XII Interamerican Congress of Cardiology, Vancouver, Canada, June 1985, p 75 (#237).
292. Trohman RG, Zaman L, Saoudi N, Stafford W, Luceri RM, Castellanos A, Myerburg RJ: Ventricular tachycardias induced by one, two and three extrastimuli: Comparison of electrophysiologic characteristics. Proceedings from the XII Interamerican Congress of Cardiology, Vancouver, Canada, June 1985, p 82 (#264).
293. Zaman L, Saoudi N, Stafford W, Rosenblum A, Trohman R, Castellanos A, Myerburg RJ: Electrophysiologic characteristics and modes of induction of sustained ventricular tachycardia: Relationship with modes of termination. Proceedings from the XII Interamerican Congress of Cardiology, Vancouver, Canada, June 1985, p 83 (#267).
294. Schwartz A, Zaman L, Garcia N, Luceri RM, Myerburg RJ, Castellanos A: Mechanisms of QRS changes occurring only during ectopic left atrial rhythms in patients without Wolff-Parkinson-White syndrome. Proceedings from the XII Interamerican Congress of Cardiology, Vancouver, Canada, June 1985, P 101 (#341).
295. Medina-Ravell V, Castellanos A, Rodriguez-Salas L, Mendoza JJ, Myerburg RJ: Muerte por bloqueo atrioventricular paroxistico durante el registro del electrocardiograma ambulatorio. Proceedings from the XII Interamerican Congress of Cardiology, Vancouver, Canada, June 1985, p 101 (#342).

296. Pina I, Bejarano R, Saoudi NC, Castellanos A, Luceri RM, Myerburg RJ: Mechanisms of nonparasystolic intermittent ventricular bigeminy: Revisited. Proceedings from the XII Interamerican Congress of Cardiology, Vancouver, Canada, June 1985, P 102 (#344).
297. Saoudi N, Mendoza IJ, Moleiro F, Cribier A, Castellanos A: Modulated ventricular tachycardia with exit block. Proceedings from the XII Interamerican Congress of Cardiology, Vancouver, Canada, June 1985, p 102 (#345).
298. Garcia OL, Castellanos A, Mendoza IJ, Myerburg RJ, Gelband H: Alternating Wenckebach periods in the Kent bundle coexisting with conduction disturbances in the normal pathway of patients with Wolff- Parkinson-White syndrome. Proceeding from the XII Interamerican Congress of Cardiology, Vancouver, Canada, June 1985, p 103 (#348).
299. Pina IL, Smith E, Castellanos A, Myerburg RJ: Safety and prognostic value of early post infarction exercise testing in an elderly population. Proceedings from the XII Interamerican Congress of Cardiology, Vancouver, Canada, June 1985, p 124 (#430).
300. Stafford WJ, Zaman L, Trohman RG, Luceri RM, Myerburg RJ, Castellanos A: One-to-one conduction via slow and fast AV nodal pathways during atrial and ventricular pacing: Comparison with tachycardia cycle length. Proceedings from the XII Interamerican Congress of Cardiology, Vancouver, Canada, June 1985, p 139 (#490).
301. Mendoza IJ, Castellanos A, Moleiro F, Luceri RM, Myerburg RJ: Atrapamiento de los ritmos automaticos. Proceedings from the XII Interamerican Congress of Cardiology, Vancouver, Canada, June 1985, p 139 (#491).
302. Portillo B, Mejias J, Leon-Portillo N, Castellanos A: Atrapamiento de las taquicardias atrioventriculares reciprocantes utilizando un fasciculo accesorio con conduccion retrograda lenta. Proceedings from the XII Interamerican Congress of Cardiology, Vancouver, Canada, June 1985, p 139 (#492).
303. Portillo B, Castellanos A, Mejias J, Leon-Portillo N, Zaman L: Entrainment of atrioventricular nodal reciprocating tachycardias. Proceedings from the XII Interamerican Congress of Cardiology, Vancouver, Canada, June 1985, p 139 (#493).
304. Aranda JM, Portillo B, Castellanos A, Mejias J, Leon-Portillo N: Preferential entry of left sided impulses into the AV node during entrainment of atrioventricular reciprocating tachycardias using an accessory pathway. Proceedings from the XII Interamerican Congress of Cardiology, Vancouver, Canada, June 1985, p 140 (#494).
305. Pastoriza J, Luceri RM, Castellanos A, Myerburg RJ: Bradyarrhythmic deaths during Holter monitoring. Proceedings from the XII Interamerican Congress of Cardiology, Vancouver, Canada, June 1985, p 141 (#500).
306. Castellanos A, Zaman L, Trohman RG, Saoudi N, Myerburg RJ: New method for dual

pathway identification in the absence of discontinuous antegrade AV nodal conduction curves. Proceedings from the XII Interamerican Congress of Cardiology, Vancouver, Canada, June 1985, p 146 (#519).

307. Mejias J, Portillo B, Leon-Portillo N, Saoudi N, Castellanos A: Fenomeno de eslabonamiento ("linking") en los circuitos de macroreentrada. Proceedings from the XII Interamerican Congress of Cardiology, Vancouver, Canada, June 1985, p 146 (#520).
308. Ferreiro J, Zaman L, Moleiro F, Schwartz A, Myerburg RJ, Castellanos A: Clinical characteristics and implications of atrioventricular nodal block of vagal origin in patients with narrow QRS complexes. Proceedings from the XII Interamerican Congress of Cardiology, Vancouver, Canada, June 1985, p 146 (#521).
309. Zaman L, Saoudi NC, Trohman RG, Stafford WJ, Rosenblum A, Myerburg RJ, Castellanos A: Bundle branch block aberrancy during AV reciprocal tachycardia: Significance of cycle length alteration. Proceedings from the XII Interamerican Congress of Cardiology, Vancouver, Canada, June 1985, p 147 (#524).
310. Saoudi N, Stafford W, Luceri R, Zaman L, Kimura S, Myerburg RJ: Circadian variation of modulated parasystole. *J Neurolo* 232:187, 1985.
311. Castellanos A, Saoudi N, Mendoza IJ, Moleiro F, Zaman L, Luceri RM, Myerburg RJ: Modulated ventricular tachycardia with exit block. *Circulation* 72-II:III-7 (26), October 1985.
312. Cooper D, Luceri RM, Thurer J, Castellanos A, Myerburg RJ: The impact of the automatic implantable defibrillator on quality life. *Circulation*, 72-II:III-24 (93), October 1985.
313. Castellanos A, Zaman L, Saoudi N, Portillo B, Myerburg RJ: Atrioventricular dissociation during, and entrainment of, circus movement tachycardias while pacing from the right ventricle. *Circulation* 72-II-III-31 (122), October 1985.
314. Zaman L, Saoudi N, Trohman RG, Stafford WJ, Castellanos A, Myerburg RJ: Normalization of functional bundle branch block during supraventricular tachycardia: Significance of antegrade and retrograde His-Purkinje activation. *Circulation* 72-II:III-31 (124), October 1985.
315. Luceri RM, Valladares B, Zaman L, Trohman RG, Castellanos A, Myerburg RJ: Side effect profile and tolerance of amiodarone in patients > 65 years on long-term therapy. *J Clin Pharmacol* 25:632, Nov-Dec 1985.
316. Luceri RM, Castellanos A, Pina IL, Saoudi N, Myerburg RJ: Characteristics of nonparasystolic intermittent ventricular bigeminy. *Clin Res* 34:172A, January 1986.
317. Schwartz A, Castellanos A, Luceri R, de la Hera A, Saoudi N, Myerburg RJ: Morphologies resulting from the usually unrecognized misplacements of the right leg (ground) cable. *Clin Res* 34:174A, January 1986.

318. Rodriguez M, Aranda JM, Portillo B, Castellanos A, Mejias J, Leon-Portillo N: Preferential entry of left sided impulses into the AV node during entrainment of atrioventricular reciprocating tachycardias using an accessory pathway. Clin Res 34:174A, January 1986.
319. Luceri RM, Stafford WJ, Interian A, Valladares B, Castellanos A, Myerburg RJ: Electrophysiologic properties of recainam, a new class 1 antiarrhythmic agent. Clin Res 34:322A, 1986.
320. Castellanos A, Portillo B, Zaman L, Luceri RM, Myerburg RJ: Differences between true and false linking in patients with accessory pathways. J Am Coll Cardiol 7-Suppl A:6-II, 1986.
321. Charos G, Haffajee CI, Gold RL, Berkovits BV, Castellanos A: Synchronized burst pacing vs. self adapting decremental overdrive pacing for termination of ventricular tachycardia. J Am Coll Cardiol 7-Suppl A:183A, 1986.
322. Zaman L, Castellanos A, Trohman RG, Luceri RM, Interian A Jr, Myerburg RJ: Entrainment of circus movement tachycardia by ventricular pacing: Significance of supra and infra-His bundle collision. J am Coll Cardiol 7-Suppl A:194A, 1986.
323. Saoudi N, Castellanos A, Myerburg RJ: Variation circadienne, entrainement de, et gigeminisme par modulation parasystolique. Arch Mal Coeur, 79:253, 1986.
324. Saoudi N, Castellanos A, Myerburg RJ: Modulation et annihilation de l'activite ventriculaire parasystolique. Arch Mal Coeur 79:257, 1986.
325. Saoudi N, Mendoza IJ, Moleiro F, Castellanos A, Myerburg RJ, Letac B: Automodulation of ventricular tachycardia. Proceedings from the International Symposium on Ventricular Tachycardia, Vittel, France, May 1986, p 4-7.
326. Saoudi N, Galtier M, Luceri R, Castellanos A, Myerburg RJ, Letac B: Circadian variation of electrotonic modulation in ventricular parasystole. Clin Prog Electrophysiol & Pacing, 4 Suppl:60 (235), June 1986.
327. Saoudi N, Luceri R, Mendoza IJ, Moleiro F, Castellanos A, Myerburg RJ, Letac B: Auto-modulation of ventricular tachycardia. Clin Prog Electrophysiol & Pacing, 4-Suppl:58 (228), June 1986.
328. Portillo B, Castellanos A, Zaman L, Myerburg RJ: Linking phenomenon during atrial stimulation in patients with accessory pathways. Proceedings from the 13th International Congress on Electrocardiology and the 27th International Symposium on Vectorcardiography, Washington DC, September 1986, p 47 (A4.7).
329. Sardi EG, Ferrer PL, Gelband H, Pickoff AS, Castellanos A Jr, Freitez-Sardi N: Voltage of P waves in the surface electrocardiogram depends of right atrial volume. An animal experiment . Proceedings from the 13th International Congress on Electrocardiology and the 27th International Symposium on Vectorcardiography, Washington DC, September 1986, p 52 (D4.3).

330. Pina IL, Smith EV, Castellanos A, Myerburg RJ: Prognosis of post- infarction exercise testing in patients over the age of 60. Proceedings from the X World Congress of Cardiology, Washington DC, September 1986, #7.
331. Castellanos A, Saoudi N, Luceri RM, Myerburg RJ: Circadian variabilities of parasystole. Proceedings from the X World Congress of Cardiology, Washington DC, September 1986, #344.
332. Sardi EG, Ferrer PL, Gelband H, Castellanos A Jr, Freitez-Sardi N, Pickoff AS: Right atrial volume determines the final voltage of the P wave in the surface electrocardiogram. An echocardiographic, hemodynamic and surgical protocol. Proceedings from the X World Congress of Cardiology, Washington DC, September 1986, #429.
333. Zaman L, Interian A Jr, Trohman RG, Castellanos A, Myerburg RJ: Ventricular activation in patients with bundle branch block: Significance of intramyocardial conduction. Proceedings from the X World Congress of Cardiology, Washington DC, September 1986, #432.
334. Saoudi N, Castellanos A, Zaman L, Myerburg RJ: Exposure of concealed ventricular parasystole by isoproterenol. Proceedings from the X World Congress of Cardiology, Washington DC, September 1986, #937.
335. Portillo B, Castellanos A, Mejias J, Leon-Portillo N, Zaman L, Myerburg RJ: The wide electrophysiologic spectrum of the linking phenomenon. Proceedings from the X World Congress of Cardiology, Washington DC, September 1986, #1036.
336. Mendoza IJ, Moleiro F, Saoudi NS, Myerburg RJ, Castellanos A: Automodulation of ventricular parasystolic rhythm. Proceedings from the X World Congress of Cardiology, Washington DC, September 1986, #1703.
337. Luceri RM, Valladares B, Descher M, Interian A, Castellanos A, Myerburg RJ: Electrocardiographic effects and safety profile of recainam. A new type I antiarrhythmic agent. Proceedings from the X World Congress of Cardiology, Washington DC, September 1986, #2476.
338. Medina-Ravell V, Castellanos A, Rodriguez-Salas L, Mendoza IJ, Myerburg RJ: Holter recordings in sudden and instantaneous cardiac death due to noncoronary disease of the sinus node and of the atrioventricular conduction system. Proceedings from the X World Congress of Cardiology, Washington DC, September 1986, #2542.
339. Sardi EG, Ferrer PL, Gelband H, Castellanos A Jr, Freitez-Sardi N, Pickoff AS: Final voltage of the P wave in the surface electrocardiogram is not only an electrical event: It also depends of the right atrial volume. An animal experiment. Proceedings from the X World Congress of Cardiology, Washington DC, September 1986, #2811.
340. Zaman L, Castellanos A, Saoudi NC, Stafford WJ, Trohman RG, Myerburg RJ: Intraventricular activation sequence during complete and incomplete functional left bundle

branch block. Proceedings from the X World Congress of Cardiology, Washington DC, September 1986, #3068.

341. Kessler KM, Kozlovskis P, Trohman RG, Zaman L, Sequeira R, Castellanos A, Myerburg RJ: Implication of coupling in form-frequency ventricular arrhythmia classifications. *Circulation* 74:II-52 (206), October 1986.
342. Castellanos A, Portillo B, Luceri RM, Zaman L, Myerburg RJ: Manifest entrainment of orthodromic circus movement tachycardia of the long RP type while pacing distally to the atrioventricular node. *Circulation* 74:II-125 (500), October 1986.
343. Kessler KM, Kozlovskis P, Trohman RG, Zaman L, Sequeira R, Castellanos A, Myerburg RJ: QRS morphology-dependent pharmacodynamics of multiform ventricular ectopy. *Circulation* 74:II-188 (749), October 1986.
344. Zaman L, Castellanos A, Trohman RG, Kessler KM, Interian A Jr, Myerburg RJ: Facilitation of antegrade AV nodal conduction and modification of Wenckebach cycles by retrograde "preexcitation" of the AV node. *Circulation* 74:II-472 (1882), October 1986.
345. Mendoza I, Moleiro F, Castellanos A, Eleizalde G, Blandin M: Torsade de pointes asociada a trastornos de conduccion intraventricular tratada eficazmente con bromuro de ipratropium. *Avances Cardiológicos* 7:24, October 1986.
346. Mendoza I, Moleiro F, Medina-Ravell V, Eleizalde G, Castellanos A, Combellas I: Mecanismos de muerte subita: Es el ECG registrado durante la R.C.P. una guía adecuada? *Avances Cardiológicos*, 7:25, October 1986.
347. Zaman L, Castellanos A, Fernandez P, Portillo B, Berkovits BV, Myerburg RJ: Entrainment of orthodromic circus movement tachycardia during autodecremental atrial and ventricular pacing. *Clin Res* 35:7A, January 1987.
348. Zaman L, Castellanos A, Rizo-Padron C, Interian A Jr, Trohman RG, Myerburg RJ: Electrophysiologic differences of atrioventricular nodal reentrant tachycardia with discontinuous and antegrade conduction curves. *J Am Coll Cardiol* 9-Suppl A:101A, March 1987.
349. Castellanos A, Zaman L, Portillo B, Berkovits BV, Fernandez P, Myerburg RJ: Characteristics of entrainment of orthodromic circus movement tachycardia during autodecremental atrial and ventricular stimulation. *J Am Coll Cardiol* 9-Suppl A:152A, March 1987.
350. Castellanos A, Saoudi NS, Mendoza IJ, de la Hera A, Luceri RM, Zaman L, Myerburg RJ: Circadian variabilities of modulated ventricular parasystole. *J Am Coll Cardiol* 9-Suppl A:223A, March 1987.
351. Berkovits BV, Haffajee CI, Chadda KD, Castellanos A: Self-programming auto-decremental pacemaker for treatment of tachycardias. *PACE* 10:645 (64), May-June 1987.

352. Lowery M, Kessler KM, Castellanos A, Myerburg RJ: Ventricular ectopy: Relationship of variable coupling and multiformity to repetitive forms. *Circulation* 76:IV-321 (1275), October 1987.
353. Kessler KM, McAuliffe D, Wozniak P, Mahmood I, Terracoll L, Kozlovskis P, Trohman RG, Zaman L, Castellanos A, Myerburg RJ: Electrophysiologic evaluation of free quinidine pharmacodynamics. *Circulation* 76:IV-369 (1468), October 1987.
354. Myerburg RJ, Thurer R, Luceri RM, Cooper DK, Zaman L, Trohman RG, Castellanos A: Time to first shock and long-term outcome in patients with automatic implantable defibrillators. *J Am Coll Cardiol* 11 (Suppl A):18-A, February 1988.
355. Zaman L, Fernandez P, Interian A Jr, Trohman RG, Castellanos A, Myerburg RJ: Effects of oral flecainide on atrioventricular reciprocating tachycardias refractory to procainamide. *J Am Coll Cardiol* 11 (Suppl A):169A, February 1988.
356. Fuenmayor A, Castellanos A, Huikuri HV, Zaman V, Interian A, Cox M, Myerburg RJ: Reverse alternating Wenckebach periods during atrial pacing. *Circulation* 78:II-42 (165), October 1988.
357. Glicksman FL, Huikuri HV, Dwyer EM, Anthony RM, Castellanos A, Myerburg RJ: Differential prognostic significance of 2-5 or ≥ 6 repetitive ventricular ectopic beats. *Circulation* 78:II-70 (279), October 1988.
358. Interian A, Jr., Rizo-Padron C, Kessler KM, Zaman L, Castellanos A, Myerburg RJ: Comparison of intravenous and oral procainamide controlling inducible sustained ventricular tachyarrhythmias. *Circulation* 78:II-72 (285), October 1988.
359. Glicksman FL, Huikuri HV, Dwyer EM, Anthony RM, Castellanos A, Myerburg RJ: Acute noninvasive drug testing in guiding antiarrhythmic therapy in patients with high-grade ventricular ectopy. *Circulation* 78:II-626 (2495), October 1988.
360. Topaz O, Perin E, Cox M, Mallon SM, Castellanos A, Myerburg RJ: Young adult survivors of sudden cardiac arrest: Invasive assessment. *Clin Res* 37, No. 2:302A, 1989.
361. Castellanos A, Fernandez P, Thurer R, Interian A, Jr., Rhymes P, Myerburg RJ: Eccentricities of Activitrac pacemakers. *PACE* 12:683, April 1989.
362. Castellanos A, Luceri RM: Letter to the Editor. *PACE* 3:163, April 1989.
363. Medina-Ravell V, Fernandez MI, Pandares Y, Rodriguez SL, Castellanos A: Syncope of unknown origin: Diagnostic importance of continuous 5-day Holter recordings and low-rate VVI pacing. *PACE* 12:1162, July 1989.
364. Huikuri HV, Kessler KM, Terracal E, Castellanos A, Linna-Iouto MK, Myerburg RJ: Reproducibility and circadian rhythm of heart rate variability in healthy subjects. *Circulation* 80, No. 4:II-38 (0149), October 1989.

365. Fernandez P, Castellanos A, Breuer G, Interian A: Dynamic behavior of sinus beats during pure ventricular parasystole. *Circulation*, No.4:II-40 (0157), October 1989.
366. Cox MM, Myerburg RJ, Kessler K, Interian A, Fernandez P, Huikuri H, Terracall E, Castellanos A: Reversal of proarrhythmic effects of flecainide and encainide by beta-adrenergic blockade. *Circulation* 80, No.4:II-429 (1707), October 1989.
367. Huikuri HV, Cox M, Interian A Jr, Kessler KM, Castellanos A, Myerburg RJ: Efficacy of propranolol for suppression of ventricular tachyarrhythmias with different electrophysiologic characteristics. *Circulation* 80, No.4:II-653 (2595), October 1989.

1990 - 1999

368. Fernandez PR, Castellanos A, Breuer G, Interian A, Myerburg RJ: Clinical validation of a theoretical model of pure parasystole. *Clin Res* 38, No.1:2A, January, 1990.
369. Castellanos A, Huikuri H, Fernandez P, Interian A Jr., Myerburg RJ: Dynamics of atrioventricular nodal conduction ratios of unstable 2:1 block produced by atrial pacing. *J Am Coll Cardiol* 15, No.2:98A, February 1990.
370. Interian A Jr., Breuer G, Cooper DK, Castellanos A, Myerburg RJ: Programmed electrical stimulation in patients with nonsustained ventricular tachycardia. *Clin Res* 38, No.2:494A, 1990.
371. Interian A Jr., Garcia O, Breuer G, Castellanos A, Myerburg RJ: Remote versus manual defibrillation. *Clin Res* 38, No. 3:794A, 1990.
372. Castellanos A, Fernandez P, Interian A Jr., Myerburg RJ: Symmetry, broken symmetry and restored symmetry of spontaneous, pure parasystole. *Circulation* 82, No.4:III-236 (935), October 1990.
373. Interian A Jr., Fernandez P, Robinson E, Zeno J, Garcia O, Castellanos A, Myerburg RJ: Long-term effect of propranolol in ventricular tachycardia/fibrillation (VT/VF) patients with isoproterenol-dependent inducibility. *Circulation* 82, No.4:III-435 (1724), October 1990.
374. Castellanos A, Fernandez P, Interian A Jr., Cox MM, Myerburg RJ: Dynamics of atrioventricular nodal conduction ratios during conversion of 2:1 into 3:1, 4:1, and 5:1 atrioventricular block. *J Am Coll Cardiol* 17:325A, February 1991.
375. Interian A Jr., Cooper DK, Garcia O, Breuer G, Cox M, Castellanos A, Myerburg RJ: Secondary ventricular tachycardia following endocardial catheter ablation. *PACE* 14:630 (52), April 1991.
376. Castellanos A, Cox MM, Fernandez P, Interian A Jr., Mayor MR, Ravina T, Myerburg RJ: Dynamics of atrioventricular conduction during documented two-level block: Progression and regression of 2:1 block at constant cycle lengths. *PACE* 14:631 (54), April 1991.

377. Interian A Jr., Concepcion G, Mayor M, Kozlovskis P, Cooper DK, Garcia O, Castellanos A, Myerburg RJ: Comparison of intravenous procainamide failure with oral procainamide in patients with sustained ventricular tachycardia. Clin Res 39, No. 2: 229A, April, 1991.
378. Interian A Jr., Cooper DK, Garcia O, Breuer G, Castellanos A, Myerburg RJ: Secondary ventricular tachycardia following endocardial catheter ablation. Clin Res 39, No. 3: 399A, April, 1991.
379. De Marchena EJ, Villa A, Futterman LG, Bauerlein EJ, Bolooki H, Horowitz MD, Myerburg RJ, Castellanos A: Paired EKGs recorded from the same heart in different patients: Transplant donor and recipient comparisons. Circulation 84(Suppl. II): II-614 (2439), October 1991.
380. De la Hera A, Castellanos A, Asch JA, Bilsker MS, Bauerlein EJ, Myerburg RJ: Reevaluation of an electrocardiographic index for the diagnosis of left ventricular hypertrophy in presence of left anterior fascicular block. Clin Res 39, No. 4: 871A, December 1991.
381. De La Hera A, Castellanos A, Sepulveda S, Interian A Jr., Myerburg RJ: Circadian variability of peaks of ectopic atrial beats and its relationship to circadian variability of sinus rates. Clin Res 40, No. 2: 273A, April 1992.
382. Interian A, Cox MM, Jimenez R, Duran A, Levin E, Garcia O, Cooper DK, Castellanos A, Myerburg RJ: A shared pathway in AV nodal reentrant tachycardia and atrial flutter. PACE 15: 4(11): 525, 1992.
383. Castellanos A, Cox MM, Fernandez PR, Interian A Jr., Myerburg RJ. Mechanisms of progression of 2:1 atrioventricular block in patients with documented two-level conduction disturbances. Proceedings from the XIV InterAmerican Congress of Cardiology, Orlando, FL. p 21, #069, May 1992.
384. Portillo B, Leon-Portillo N, Castellanos A, Saoudi N, Interian A Jr., Berkovits BV, Myerburg RJ: Characteristics of entrainment of atrioventricular nodal reentry tachycardia during autodecremental ventricular stimulation. Proceedings from the XIV InterAmerican Congress of Cardiology, Orlando, FL. p 22, #073, May 1992.
385. De La Hera A, Castellanos A, Asch JA, Bilsker MS, Bauerlein EJ, Myerburg RJ: Reevaluation of an electrocardiographic index for the diagnosis of left ventricular hypertrophy in presence of left anterior fascicular block. Proceedings from the XIV InterAmerican Congress of Cardiology, Orlando, FL. p 44, #148., May 1992.
386. Moleiro F, Mendoza IJ, Castellanos A, Pulido M: Symmetry of electronic and natural ventricular parasystole. Proceedings from the XIV InterAmerican Congress of Cardiology, Orlando, FL. p 45, #150, May 1992.
387. Mendoza IJ, Moleiro F, Castellanos A, Rodriguez H: Common sense techniques for the

- analysis of pacing-induced atrioventricular nodal block in terms of a nonlinear dynamical system. Proceedings from the XIV Interamerican Congress of Cardiology, Orlando, FL. p 80, #275, May 1992.
388. Saoudi NS, Moleiro F, Castellanos A, Mendoza IJ: Analysis of nonlinear dynamics of ventricular excitation in patients with artificial pacemakers. Proceedings from the XIV InterAmerican Congress of Cardiology, Orlando, FL. P 81, #279, May 1992.
 389. Interian A Jr., Bolooki H, Cox MM, Cooper DK, Barron M, Palatinos G, Castellanos A, Myerburg RJ: Isoproterenol facilitated induction of intraoperative ventricular tachycardia. Proceedings from the XIV InterAmerican Congress of Cardiology, Orlando, FL. P 93, #319, May 1992.
 390. Saoudi N, Moleiro F, Mendoza I, Castellanos A, Letac B: Non linear dynamics of the stimulus-response patterns in human ventricle. Observations in patients with artificial pacemakers. *Eur J C P E* 2:214, June 1992.
 391. Fernandez PR, Falkenberg E, Cooper D, Duran A, Jimenez R, Castellanos A, Myerburg RJ: The use of adjunct drug therapy for rate modulation of "fast" ventricular tachycardias enabling pace termination by fourth generation AICD's. *Eur J C P E* 2:216, June 1992.
 392. Fernandez PR, Falkenberg E, Cooper D, Jimenez R, Duran A, Castellanos A: The impact of postural changes on pace termination of ventricular tachycardia by the Ventak PRx ICD system. *Eur J C P E* 2:448, June 1992.
 393. Fernandez PR, Falkenberg E, Cooper D, Jimenez R, Duran A, Castellanos A: "Closed loop tachycardia" as a direct consequence of zone pace-termination programming in fourth generation AICD's. *Eur J C P E* 2:463, June 1992.
 394. Saoudi N, Portillo B, Leon-Portillo N, Poty H, Hidden F, Interian A Jr, Berkovits BV, Castellanos A, Letac B: Entrainment of atrioventricular nodal reentry tachycardia during autodecremental stimulation. *Eur J C P E* 2:575, June 1992.
 395. Myerburg RJ, Kessler KM, Castellanos A: Sudden cardiac death: structure, function, and time-dependence of risk. *ACC Current Journal Review* 1:32, Nov/Dec, 1992.
 396. Interian A, Jr., Duran A, Jimenez R, Fernandez MI, Pulido M, Levin E, Cooper DK, Garcia O, Castellanos A, Myerburg RJ: Mechanism of apparent incremental retrograde conduction across left lateral accessory pathway. *Clin Res* 40:832A, Dec. 1992.
 397. Cox MM, Duran A, Jimenez J, Pringle L, Castellanos A, Myerburg RJ: Differential response to phenylephrine in patients with neurocardiogenic syncope. *J Am Coll Cardiology* 21(Suppl. A):729-4.120A, February, 1993.
 398. Interian A Jr., Bolooki H, Cox MM, Cooper DK, Garcia O, Barron M, Palatianos GM, Castellanos A, Myerburg RJ: Intraoperative isoproterenol-dependent inducibility of ventricular tachycardia. *J Am Coll Cardiol* 21(Suppl. A):774-4.278A, February, 1993.

399. Saoudi N, Castellanos A, Letac B, Myerburg RJ: Nonlinear dynamics of ventricular excitation in patients with artificial pacemakers. *J Am Coll Cardiol* 21(Supp. A):816-5.426A, February, 1993.
400. Saoudi N, Castellanos A, Cribier A, Letac B: Dynamique non lineaire de la relation stimulus reponse chez les patients porteurs d'un stimulateur cardiaque artificiel. *Arch Mal Coeur* 86:959, 1993.
401. de la Hera A, Castellanos A, Sepulveda S, Interian A, Jr., Myerburg RJ: Circadian variability of peaks of ectopic atrial beats and its relationship to circadian variability of sinus rates. *PACE* 16(II):925(#301), 1993.
402. Cox MM, Interian A, Jr., Perlman B, Gonzalez E, Pringle L, Castellanos A, Myerburg RJ: Epinephrine-specific ventricular tachycardia: A new variation of autonomically-medicated tachycardia. *Circulation* 88 (Suppl):I-117 (#616), 1993.
403. Interian A, Jr., Fernandez Maria I, Perlman B, Gonzalez E, Cox MM, Levin E, Castellanos A, Myerburg RJ: New technique for slow pathway ablation in AV nodal reentry using shortest AV interval. *Circulation* 88 (Suppl):I-493 (#2653), 1993.
404. Castellanos A, Moleiro F, Myerburg RJ. Application of complexity theory to the analysis of conduction patterns in atrial flutter treated with digoxin. *Clin Res* 1993;41:722A.
405. Saoudi N, Portillo B, Leon Portillo N, Poty F, Hidden F, Interian A Jr, Berkovits BV, Castellanos A, Letac B: Entrainement des tachycardies par reentree intranodale par la stimulation ventriculaire autodecrementale automatique. *Arch Mal Coeur* 1994;87:66.
406. Castellanos A, Moleiro F: The lives of a computer virus. *The Miami Herald* (Letter to the Editor) 1994; August 15:12A.
407. Huikuri HV, Seppanen T, Linnaluoto MK, Koistinen KE, Airaksinen J, Castellanos A, Myerburg RJ: Complexity of R-R interval dynamics before the spontaneous onset of sustained ventricular tachycardia. *Circulation* 90, No.4:I-437 (2346), Oct. 1994.
408. Castellanos A, Moleiro F, Saoudi N, de la Hera A, Myerburg RJ: Application of complexity theory to the analysis of conduction ratios occurring during progression of atrial flutter with 2:1 atrioventricular block. *Circulation* 90 (#2350), October 1994.
409. Moleiro F, Marcano A, Jimenez J, Castellanos A, Pulido M, Rodriguez A: Chaotic dynamics in healthy and chagasic populations. *J Investigative Medicine* (Suppl. 1):43:7A February 1995.
410. Castellanos A, Moleiro F, Interian A Jr., Saoudi N, Myerburg RJ: Complexities of the dynamical progression of 4:1 atrioventricular block in atrial flutter. *J Am Coll Cardiol* (Special Issue) 943-13;169A, February 1995.

411. Huikuri HV, Jokinen V, Seppanen T, Niemela M, Juhani Airaksinen KE, Linnaluoto MK, Castellanos A: Reduced complexity of R-R interval dynamics in patients with coronary artery disease. *J Am Coll Cardiol (Special Issue)* 749-5;194A, February 1995.
412. Moleiro F, Ruesta V, Acosta H, Castellanos A, Myerburg RJ: Application of complexity theory to the analysis of progression of 4:1 to higher degrees of atrioventricular block. *J Invest Med (Biomedicine '96)* 44:3;210A, March 1996.
413. Saoudi N, Moleiro F, Acosta A, de la Hera A, Myerburg RJ, Castellanos A: Nonlinear dynamics of excitation in the human ventricles. *J Invest Med (Biomedicine '96)* 44:3;210A, March 1996.
414. Acosta H, de la Hera A, Saoudi N, Moleiro F, Myerburg RJ, Castellanos A: Performance of two clinical models of artificial ventricular parasystole in reference to an ideal mathematical model. *J Invest Med (Biomedicine '96)* 44:3;287A, March 1996.
415. Moleiro F, Marcano A, Jimenez J, Mendoza I, Rodriguez A, Pulido M, Castellanos A: Improvement in diagnostic sensitivity of chronic chagasic myocarditis with the use of nonlinear techniques. *J Invest Med (Biomedicine '96)* 44:3;311A, March 1996.
416. Castellanos A, Moleiro F. Communications to the editor. *CHEST* 109:6;1663, June 1996.
417. Cox MM, Perlman BR, Mayor MR, Silberstein T, Levin E, Castellanos A, Myerburg RJ. Letters to the editor. *JACC* 28:3;798-801, September 1996.
418. Levin E, Bomonina E, Rosenberg DG, Castellanos A, Myerburg RJ. Ethnic differences in return of spontaneous circulation after bystander cardiopulmonary resuscitation in witnessed out-of-hospital cardiac arrest. *Circulation Supplement* 94:8;I-356 (2076), October 1996.
419. Castellanos A, Moleiro F, Acosta H, Ferreira A, Cox MM, Interian A Jr, Myerburg RJ. Sudden Wenckebach periods and their relation to neurocardiogenic syncope. *Circulation Supplement* 94:8;I-621 (3639), October 1996.
420. Perkiomaki JS, Huikuri HV, Koistinen JM, Castellanos A, Myerburg RJ. Dispersion of QT interval and heart rate variability in patients with vulnerability to ventricular tachycardia and ventricular fibrillation. *Circulation Supplement* 94:8;I-625 (3661), October 1996.
421. Levin E, Bomonina E, Cooper D, Castellanos A, Myerburg RJ. Predictors of episodic loss of consciousness among patients with implantable cardioverter defibrillators. *Circulation Supplement* 94:8;I-678 (3960), October 1996.
422. Moleiro F, Ruesta V, Guerrero J, Pulido M, Rodriguez A, Torres JM, Rodriguez I, Mendoza I, Castellanos A, Sanchez F. Conducta paradójica del intervalo QT durante el ejercicio y su posible relacion con la memoria cardiaca. *Avances Cardiológicos (Venezuelan Society of Cardiology)* 16:4;97 (16), 1996.

423. Torres JM, Moleiro F, Rodriguez I, DaCosta N, Ruesta V, Guerrero J, Pulido M, Rodriguez A, Mendoza I, Castellanos A. Aplicacion de la teoria de la complejidad al analisis de la progresion de bloqueo 4:1 a mayores grados de bloqueo. *Avances Cardiológicos (Venezuelan Society of Cardiology)* 16:4;97 (18), 1996.
424. Moleiro F, Castellanos A, Pulido M, Guerrero J, Ruesta V, Mendoza I, Torres JM, Rodriguez A. Wenckebach subito y su relacion con el sincope neurocardiogenico. *Avances Cardiológicos (Venezuelan Society of Cardiology)* 16:4;97 (19), 1996.
425. Ruesta V, Moleiro F, Castellanos A, Pulido M, Guerrero J, Rodriguez A, Ruesta MC, Da Costa N, Torres JM, Sanchez F. Taquicardia ventricular en una familia. Forma atipica de un síndrome de QT largo. *Avances Cardiológicos (Venezuelan Society of Cardiology)* 16:4;97 (20), 1996.
426. Mitrani RD, Interian A Jr, Castellanos A, Girgis I, Dylewski J, Myerburg RJ Initial induction of ventricular fibrillation does not facilitate subsequent ventricular fibrillation induction. *PACE* 20:4;1134 (336), 1997.
427. Castellanos A, Moleiro F, Chakko S, Acosta H, Huikuri H, Mitrani R, Myerburg RJ. Heart rate variability in inappropriate sinus tachycardia. *PACE* 20:4;1176 (504), 1997.
428. Myerburg RJ, Cox MM, Interian A Jr, Mitrani R, Girgis I, Dylewski J, Castellanos A. Cyclical variation of inducibility of paroxysmal supraventricular tachycardia in women. *PACE* 20:4;1201 (606), 1997.
429. Portillo B, Leon Portillo N, Berkovits BV, Castellanos A. Autodecremental stimulation of circus movement tachycardia produces a unique type of entrainment. *Puerto Rican Health Sciences J Supplement A* 16:015 (10), September 1997.
430. Moleiro F, Castellanos A, Cox MM, Interian Jr. A, Myerburg RJ. Sudden Wenckebach periods: benign and malignant. *Puerto Rican Health Sciences J Supplement A* 16:019 (10), September 1997.
431. Castellanos A, Moleiro F, Acosta H, Huikuri H, Myerburg RJ. Heart rate variability in inappropriate sinus tachycardia. *Puerto Rican Health Sciences J Supplement A* 16:020 (10), September 1997.
432. Ruesta V, Castellanos A, Moleiro F, Interian Jr. A, Myerburg RJ. Dynamics of type II Mobitz periodicities and of their relationship with paroxysmal atrioventricular block. *Puerto Rican Health Sciences J Supplement A* 16:024 (10), September 1997.
433. De La Hera A, Castellanos A, Saoudi N, Moleiro F, Ruesta V, Myerburg RJ. Performance of two clinical models of artificial ventricular parasystole in reference to an ideal mathematical model. *Puerto Rican Health Sciences J Supplement A* 16:028 (10), September 1997.
434. Aranda JM, Castellanos A, Jimenez R. Dynamics of 2:1 block during horizontal dissociation of the atrioventricular conduction system. *Puerto Rican Health Sciences J Supplement A* 16:029 (10), September 1997.

435. Moleiro F, Marcano A, Jimenez J, Mendoza I, Rodriguez A, Ruesta V, Pulido M, Castellanos A. Improvement in diagnostic sensitivity of chronic chagasic myocarditis with the use of nonlinear techniques. *Puerto Rican Health Sciences J Supplement A* 16:054 (10), September 1997.
436. Pulido M, Moleiro F, Castellanos A, Torres JM, Ruesta V, Myerburg RJ. Paradoxical behavior of QT intervals during exercise. Its relation to cardiac memory. *Puerto Rican Health Sciences J Supplement A* 16:163 (10), September 1997.
437. Castellanos A, Moleiro F, Levin E, Interian Jr A, Myerburg RJ. Dynamics of, and reverse alternating Wenckebach periods during regression of 10:1 to 2:1 atrioventricular nodal block. *Circulation* 1:96:8;I-384 (2151), 1997.
438. Mendoza I, Castellanos A, Lopera G, Interian Jr A, Moleiro F. Independent autonomic modulation of sinus node and protected ventricular automaticity and of atrioventricular nodal conduction. *Circulation Supplement* 1:96:8;I-24 (128), 1997.
439. Mitrani RD, Interian Jr. A, Dylewski J, Kloosterman EM, Atapattu S, Munoz L, Castellanos A, Myerburg RJ. Edrophonium hydrochloride does not elevate ventricular fibrillation thresholds in humans. *J Am Cardiol Coll Supplement A* 31:2;90A (828-5), February 1998.
440. Mendoza I, Moleiro F, Marques J, Castellanos A, Rodriguez F, Troncoso E, Revel-Chion R, Matheus A, Guerrero J, Acquatella H. High efficacy of steroid treatment in patients with right ventricular outflow tract tachycardia. *J Am Cardiol Coll Supplement A* 31:2;90A (828-4), February 1998.
441. Castellanos A, Moleiro F, Acosta H, De Santis P, Mitrani RD, Myerburg RJ. Chronic inappropriate sinus tachycardia in elderly females: its association with arterial hypertension and psychiatric disorders. *J Am Cardiol Coll Supplement A* 31:2;483A (1208-76), February 1998.
442. Poutiainen A, Juhani Koistinen M, Juhani Airaksinen KE, Castellanos A, Huikuri HV. Heart rate variability in ectopic atrial tachycardia. *PACE* 21:4[Part II];907 (469), 1998.
443. Interian A Jr., Kloosterman EM, Alba J, Mitrani R, Castellanos A. Protective effect on long-term follow-up of beta blockers in patients with ventricular tachycardia and ventricular fibrillation. *Arch Mal Coeur Vaisseaux (Cardiostim '98)* 91:Special III;126 (64-1), June 1998.
444. Mitrani RD, Pollack W, Interian A Jr., Castellanos A, Myerburg RJ. Pacemaker diagnostic information can be used to follow episodes of atrial tachyarrhythmias in patients. *Arch Mal Coeur Vaisseaux (Cardiostim '98)* 91:Special III; 209 (118-1), June 1998.
445. Poutiainen AM, Koistinen MJ, Juhani Airaksinen KI, Castellanos A, Huikuri HV. Heart rate variability in ectopic atrial tachycardia. *Arch Mal Coeur Vaisseaux (Cardiostim '98)* 91:Special III;106 (45-P7), June 1998.

446. Acosta H, Lopez-Candales A, Graham S, Schnapp MA, Houck JP, Castellanos A. Effect of partial left ventriculectomy on indices of heart rate variability. Cleveland Clinic Heart Failure Summit IV, October 9-10, 1998.
447. Moleiro F, Castellanos A, Rodriguez A, Ruesta V, Mendoza I, Misticchio F, Guerrero J. Es la disminución de la variabilidad de la frecuencia cardíaca en la taquicardia sinusal apropiada una disfunción autonómica? Avances Cardiológicos (XXXI Congreso Venezolano de Cardiología, September '98) 18:4:99 (7), August 1998.
448. Ruesta V, Moleiro F, Castellanos A, Guerrero J, Rodriguez A, Ruesta MC. Taquicardia ventricular y muerte súbita en una familia, forma frusta de un síndrome de QT largo. Avances Cardiológicos (XXXI Congreso Venezolano de Cardiología, September '98) 18:4:104 (21), August 1998.
449. Moleiro F, Castellanos A, Mendoza I, Rodriguez A, Ruesta V, Pulido M, Torres JM. Taquicardia sinusal inapropiada y disfunción autonómica. Evaluación de la variabilidad de la frecuencia cardíaca. Avances Cardiológicos (XXXI Congreso Venezolano de Cardiología, September '98) 18:4:107 (34), August 1998.
450. Mendoza I, Castellanos A, Moleiro F, Marques J, Matheus A, Lopera G, Interian A, Myerburg R, Rodriguez F, Guerrero J. Diferencias en la modulación autonómica del nodo sinusal, nodo AV y automatismo ventricular. Avances Cardiológicos (XXXI Congreso Venezolano de Cardiología, September '98) 18:4:108 (37), August 1998.
451. Mendoza IJ, Acosta H, Castellanos A, Moleiro F, Mitrani RD, Myerburg RJ. Spontaneous paroxysmal atrioventricular nodal block in patients with positive tilt tests and negative electrophysiological studies. Circulation (71st Scientific Sessions of AHA '98) 98:17:I-366 (1922), October 1998.
452. Castellanos A, Lopera G, Moleiro F, Chakko S, Mitrani RD, Myerburg RJ. Decreased heart rate variability in appropriate sinus tachycardia: effects of fast rate? Circulation (71st Scientific Sessions of AHA '98) 98:17:I-646 (3396), October 1998.
453. Huikuri HV, Poutiainen AM, Koistinen J, Raatikainen P, Airaksinen J, Hartikainen J, Ketunen R, Mitrani R, Castellanos A, Myerburg RJ. Insensitivity of inappropriate sinus tachycardia to adenosine. PACE (NASPE 20th Annual Scientific Sessions, May 12-15, 1999) 22:4:II:715 (66), April 1999.
454. Huikuri HV, Mitrani RD, Castellanos A, Myerburg RJ. Abnormalities in ventricular repolarization after appropriate implantable cardioverter-defibrillator shocks. PACE (NASPE 20th Annual Scientific Sessions, May 12-15, 1999) 22:4:II:777 (308), April 1999.
455. Kloosterman EM, Yamamura K, Alba J, Mitrani RD, Castellanos A, Interian A Jr. Role of adenosine in the differential diagnosis of atrial tachycardia from paroxysmal supraventricular tachycardias. PACE (NASPE 20th Annual Scientific Sessions, May 12-15, 1999) 22:4:II:818 (472), April 1999.

456. Pollack WM, Simmons JD, Interian A Jr, Castellanos A, Myerburg RJ, Mitrani RD. Intra-atrial electrograms are required to confirm paroxysmal atrial tachyarrhythmias detected by pacemaker diagnostic features. *PACE (NASPE 20th Annual Scientific Sessions, May 12-15, 1999)* 22:4:II:829 (518), April 1999.
457. Mitrani RD, Kloosterman EM, Yamamura KH, Simmons JD, Interian A Jr, Castellanos A, Myerburg RJ. Initial induction of ventricular fibrillation facilitates subsequent induction. *PACE (NASPE 20th Annual Scientific Sessions, May 12-15, 1999)* 22:4:II:871 (683), April 1999.
458. Myerburg RJ, Castellanos A. Learning more about indications for implantable cardioverterdefibrillators. (Editorial) *JACC* 1999;34(4):1096-1098.
459. Lopera G, Huikuri HV, Tapanainen J, Chakko S, Myerburg RJ. Is abnormal heart rate variability a specific feature of congestive heart failure? *JACC (ACC 49th Annual Scientific Session, March 12-15, 2000)* 35:2:106A (1053-61), February 2000.
460. Mäkikallio TH, Hintze U, Huikuri HV, Mitrani RD, Castellanos A, Myerburg RJ, Videbek J, Möller M. Comparison of post-ectopic turbulence analysis, fractal analysis and traditional heart rate variability analysis as predictors of mortality in patients with a recent and remote myocardial infarction. *JACC (ACC 49th Annual Scientific Session, March 12-15, 2000)* 35:2:107A (1053-62), February 2000.
461. Mäkikallio TH, Mitrani RD, Castellanos A, Myerburg RJ, Sourander LB, Räihä I, Huikuri HV. Altered fractal properties of heart rate dynamics as a predictor of sudden cardiac death in the elderly. *JACC (ACC 49th Annual Scientific Session, March 12-15, 2000)* 35:2:144A (880-2), February 2000.
462. Huikuri HV, Poutiainen AM, Mäkikallio TH, Juhani Koistinenn M, Juhani Airaksinen KE, Mitrani RD, Myerburg RJ, Castellanos A. Dynamic behavior and autonomic regulation of ectopic atrial pacemakers. *ACC Current Journal Review* 9:62, March/April 2000.
463. Mäkikallio TH, Huikuri HV, Mitrani RD, Mattila L, Castellanos A, Myerburg RJ. Altered fractal properties of R-R interval dynamics before the spontaneous onset of ventricular tachyarrhythmias. *PACE* 23:655 (450), Part II, April 2000.
464. Moleiro F, Misticchio F, Castellanos A, Mendoza I, Rodriguez A. Evidencia de memoria celular cardíaca en la conducción auriculoventricular. *Avances Cardiológicos* 20:S11(3), Suplemento 1, Julio 2000.
465. Castellanos A. Contribution in "Commemorating 30 Years of Medical Publishing". Armonk, NY, Futura Publishing Company, Inc., 2000.
466. Mendoza I, Castellanos A, Moleiro F, Lopera G, Interian A, Myerburg RJ. Differences in heart variability in patients with spontaneously recorded syncope due to sinus arrest and to paroxysmal atrioventricular nodal block. *Circulation (AHA 73rd Scientific Session, November 12-15, 2000, New Orleans)* 102:13:11-439 (2136), Supplement, October 2000.

467. Diaz JO, Mäkikallio TH, Huikuri HV, Lopera G, Mitrani RD, Castellanos A, Myerburg RJ. Altered heart rate dynamics before the spontaneous onset of ventricular tachyarrhythmias in patients with chronic Chagas' disease. *Circulation* (AHA 73rd Scientific Session, November 12-15, 2000, New Orleans) 102:18:11-440 (2140), Supplement, October 2000.
468. Velez M, Fenster JS, Shengham L, Rosenberg DJ, Kurlansky P, Newton S, Castellanos A, Myerburg RJ. Out-of-hospital cardiac arrest mechanisms, police and fire rescue response times and survival. *PACE* (NASPE, 22nd Annual Scientific Sessions, Boston) 24(Part II) 614, April 2001.
469. Mäkikallio TH, Huikuri HV, Sepponen T, Kloosterman M, Interian A, Castellanos A, Myerburg RJ, Mitrani R. Evidence for organized dynamics during human ventricular fibrillation. *European Society of Cardiology, Europascc* 2:B175 (899), Supplement, June 2001.
470. Castellanos A, Aranda JA. Simultaneous biventricular stimulation for ventricular arrhythmias. *Am J Cardiol* 2001;88:1217 (Reader's Comments).
471. Octavio JA, Moleiro F, Rodriguez AE, Perez-Gonzalez JF, Fabiano D, Castellanos A. Predominio de la variabilidad ciclica en las 24 horas de la presion sistolica sobre la de la frecuencia cardiaca, como expresion de envejecimiento del sistema cardiovascular. *Congreso Venezolano de Cardiologia; Avances Cardiol* 21;S31(65), Suplemento 1, 2001.
472. Huikuri HV, Castellanos A, Myerburg RJ. Sudden cardiac death due to cardiac arrhythmias. *N Engl J Med* 346;12:946-947, March 2002 (Correspondence).
473. Acosta H, Castellanos A. Usefulness of isthmogram in preparation for ablation of subeustachian isthmus in patients with atrial flutter. *PACE* (23rd Annual Scientific Session of NASPE, May 8-11, 2002, San Diego) 24;4:Part II:616 (373).
474. Acosta H, Moore J, Curtis D, Kinead J, Johnson T, Kuster B, Antonio C, Acosta T, Mayor T, Castellanos A. Reverse protocol for programmed ventricular stimulation in patients with ischemic cardiomyopathy and nonsustained ventricular tachycardia. *PACE* (XII World Congress on Cardiac Pacing and Electrophysiology, February 19-22, 2003) 26:Part II:S118 (471), February 2003.
475. Acosta H, Moore J, Curtis D, Kinead J, Johnson T, Kuster B, Antonio C, Acosta T, Mayor T, Castellanos A. Right atrial activation using a novel non-contact mapping system. *PACE* (XII World Congress on Cardiac Pacing and Electrophysiology, February 19-22, 2003) 26:Part II:S159 (636), February 2003.
476. Diaz JO, Moleiro F, Castellanos A, Myerburg RJ. Dynamics of secondary repolarization abnormalities during abrupt but transient lengthening of the RR intervals. *PACE* (24th Annual Scientific Session of NASPE, May 14-17, 2003, Washington, DC) 26:4:Part II (563);1069, April 2003.
477. Chirinos Medina J, Castrellon A, Zambrano JP, Willens H, Castellanos A, Myerburg RJ, Ahn Y. Digoxin use is associated with increase platelet and endothelial cell activation in patients with non-valvular atrial fibrillation. *Heart Rhythm* 1:1:Supplement (390); S124, May 2004.

478. Interian A Jr, Jimenez J, Ramos R, Rechani L, Smalheiser S, Mallon S, Myerburg RJ, Castellanos A. Is there a role for ICD's in patients receiving outpatient continuous inotropic therapy? *Heart Rhythm* 1:1Supplement (772); S242, May 2004.
479. Acosta H, *Castellanos A*, Acosta T. Safety and effectiveness of 720 joules external biphasic shocks in patients with refractory atrial fibrillation. *Europace (Cardiostim 2004, 14th World Congress in Cardiac Electrophysiology and Cardiac Techniques, June 16-19, 2004, Nice Acropolis – French Riviera)* 6:Supplement 1 (148/4); 115, June 2004.
480. Acosta H, *Castellanos A*, Acosta T. Intravenous magnesium sulfate to prevent torsades de pointes in patients receiving ibutilide. *Europace (Cardiostim 2004, 14th World Congress in Cardiac Electrophysiology and Cardiac Techniques, June 16-19, 2004, Nice Acropolis – French Riviera)* 6:Supplement 1 (178P/4); 132, June 2004.
481. Acosta H, *Castellanos A*, Acosta T. Selective ablation of the fast and slow pathways of the AV node instead of the compact AV node in patients with atrial fibrillation and rapid ventricular response refractory to medications. Is it better? *Europace (Cardiostim 2004, 14th World Congress in Cardiac Electrophysiology and Cardiac Techniques, June 16-19, 2004, Nice Acropolis – French Riviera)* 6:Supplement 1 (244/1); 190, June 2004.
482. Myerburg RJ, Castellanos A. Language and interpretation of clinical trial outcomes: alternates, surrogates, and composites. (Editorial Commentary.) *Heart Rhythm* 2004;1(5):538-539.
483. Jimenez J, Arrieta C, Ramos R, Rechani L, Castellanos A, Mallon S, Interian A Jr. Implications of new ICD, BiV and ICD/BiV guideline implementation on device utilization among patients with heart failure. *Journal of Cardiac Failure (Heart Failure Society of America – 8th Annual Scientific Meeting, September 12-15, 2004, Toronto, Canada)* Supplement 10 (4):pS22, August 2004.
484. Chirinos JA, Castrellon A, Zambrano JP, Jy W, Horstman LL, Ahn ER, Jimenez JJ, Willens H, Castellanos A, Myerburg RJ, Ahn YS. Platelet activation promotes formation of platelet-leukocyte conjugates (PLC) in non-valvular atrial fibrillation (AF). *JACC (ACC 54th Annual Scientific Session, March 6-9, 2005, Orlando, FL)* 45(3) Suppl A; 100A (#1078-257), February 2005.
485. Virani SS, Chirinos JA, Zambrano JP, Jimenez JJ, Jy W, Ahn ER, Peter A, Horstman LL, Castellanos A, Myerburg RJ, Ahn YS. Correlation between apoptotic endothelial microparticles and subclinical inflammation in healthy individuals. *JACC (ACC 54th Annual Scientific Session, March 6-9, 2005, Orlando, FL)* 45(3) Suppl A; 427A-428A (#1155-109), February 2005.
486. Castellanos A, Myerburg RJ. "Foreword" to **Electrophysiological Disorders of the Heart**. In: Saksena E, Camm AJ, Boyden PA, Dorian P, Goldschlager N (eds). Philadelphia, Pennsylvania: Elsevier Churchill Livingstone, 2005.
487. Mondal S, Chakkos, *Castellanos A*, Myerburg RJ, Interian A. Prevalence and long-term clinical follow-up of patients with Brugada EKG patterns among a US veteran population. *Circulation (AHA Scientific Sessions 2005, November 13-16, Dallas, Texas)* 112(17);II-375 (#1851), October 2005.

488. Myerburg RJ, Castellanos A. Clinical research designs and implantable defibrillator indications: spend in the beginning or pay at the end. (Editorial Comment) *JACC* 47(1):108-11, January 3, 2006.
489. Acosta H, Pothula VR, Rodriguez M, Castellanos A. A technique to insert a lead at the inferior portion of the interatrial septum for the prevention of atrial fibrillation. *Heart Rhythm* (Heart Rhythm 2006, May 17-20, Boston, Massachusetts) 3(5):S14 (#AB7-5).
490. Acosta H, Pothula VR, Hassan S, Castellanos A. Shortening of atrioventricular intervals with atrial septal lead placement: Implications for reducing unnecessary right ventricular pacing. *Heart Rhythm* (28th Annual Scientific Session, May 9-12, 2007, Denver, Colorado) 4(5S):S27 #AB14-3), 2007.
491. del Carpio F, Morales GX, Mondal S, Castellanos A, Myerburg RJ. Intrinscoid deflection onset, left axis deviation and QRS duration are markers of left ventricular systolic dysfunction in patients with left bundle branch block. *Heart Rhythm* (28th Annual Scientific Session, May 9-12, 2007, Denver, Colorado) 4(5S):S240 (#PO3-106), 2007.
492. Acosta H, Izquierdo M, Pothula VR, Pavan Kotaru V, Conant C, Lopez C, Antonio-Drabeck C, Castellanos A. Optimal lead placement to shorten atrioventricular intervals: another potential strategy for reducing unnecessary right ventricular pacing. *Heart Rhythm* (29th Annual Scientific Session of the Heart Rhythm Society, May 14-17, 2008, San Francisco, California) 5(5):S189 (PO2-82), May Supplement 2008.

b) Scientific Films

1. Lemberg L, Castellanos A, Berkovits BV: Pacemaking on demand on A-V block. 1964
2. Castellanos A, Lemberg L, Berkovits BV: Repetitive firing induced by pacemaker stimuli falling in the vulnerable phase. 1964
3. Lemberg L, Castellanos A, Gomez A, Berkovits BV: Continuous monitoring of atriosynchronized pacemakers. 1965
4. Lemberg L, Castellanos A, Gomez A, Berkovits BV: Continuous monitoring of fixed rate pacemaker. 1965
5. Centurion MJ, Castellanos A, Lemberg L: Concealed digitalis effects exposed by pacemaker stimuli. 1965
6. Lemberg L, Castellanos A, Gomez A, Berkovits BV: Continuous electrocardiographic monitoring of patients with angina pectoris. 1966
7. Castellanos A, Lemberg L: Pacemaker arrhythmias. 1966
8. Castellanos A, Lemberg L, Salhanick L: Vectorcardiographic technique (Frank system). 1967
9. Castellanos A, Lemberg L: Continuous monitoring of ambulatory patients with implanted pacemakers. 1967
10. Castellanos A, Gomez A, Lemberg L: Electrodynamics of arrhythmias. 1967
11. Castellanos A, Gomez A, Lemberg L: Continuous monitoring of ambulatory patients with implanted demand pacemaker. 1967
12. Castellanos A, Gomez A, Lemberg L: Electrocardiographic monitoring of the ambulatory patient. 1968
13. Castellanos A, Gomez A, Lemberg L: Ambulatory monitoring of cardiac arrhythmias. 1969

17. Other works accepted for publication:

PROFESSIONAL

18. Funded Research Performed:

National Institute of Health -- Forms and Responses of Ventricular Arrhythmias.
Principle Investigator: Robert J. Myerburg, MD.

American Heart Association Florida Affiliate - A Trial of Natriuretic Peptide Secretion During Tachycardias.

Principal Investigator: Agustin Castellanos, MD.

19. Editorial Responsibilities:

a) **Member of Editorial Boards**

Excerpta Medica - Holland	1957-Present
Archives Maladies Couer et Medecine Interne - France	1971-1981
American Heart Journal	1972-1979
European Journal of Cardiology - Holland	1972-1979
Journal of Electrocardiology	1973-Present
American Journal of Cardiology	1974-1980, 1984-Present
Pacing and Clinical Electrophysiology	1977-Present
Revista Estimulacion Cardiaca - Spain	1979-1985
Circulation	1980-1982
Revista Latina de Cardiologia - Spain	1980-Present
Revista Portuguesa de Cardiologia - Portugal	1982-Present
Clinical Progress in Pacing and Electrophysiology	1982-1986
Marcapasos y Electrofisiologia - Spain	1984-1988
Cardioestimulacion - Spain	1985-1988
Journal of Electrophysiology	1987-1989
Medico Interamericano USA	1993-Present
Clinical Cardiology	1993-Present
Journal of the American College of Cardiology	1995-1997
Revista Espanola de Cardiologia	1996

	Edicion Latina de Electrocardiologia	1996
b)	Editorial Consultant	
	Circulation	1969-Present
	American Heart Journal	1965-1990
	Chest	1970-Present
	Annals of Internal Medicine	1981-Present
	Journal of the American College of Cardiology	1983-Present
	Pacing and Clinical Electrophysiology (PACE)	1977-Present
	American Journal of Cardiology	1984-Present
	Journal of Electrophysiology, Senior Editor	1987-1989
	Archives of Internal Medicine	1989-Present
	Journal of Electrocardiology	1973-Present

20. Professional and Honorary Organizations:

a) **National**

American College of Physicians	Fellow	1975-Present
American Heart Association Council on Clinical Cardiology	Fellow	1970-Present
American College of Cardiology	Fellow	1965-Present
American College of Chest Physicians	Fellow	1971-Present
American Federation for Clinical Research	Member	1957-Present
American Heart Association - National, Florida Affiliate and Greater Miami	Member	1961-Present
Association for the American Colleges	Member	1966-Present

American Medical Association - National, Florida & Dade County	Member	1969-Present
North American Society of Pacing and Electrophysiology (NASPE)	Founding Member	1979-Present
Executive Advisory Committee N. Am. Society of Pacing & Electrophysiology (NASPE)	Trustee	1981-1983
Advisory Council – NASPE – Southeast	Regional Councilor	1983-Present
Advisory Board National Alliance of Cardiovascular Technologists	Member	1984-Present
National Registry of Cardiology Technologists	Honorary Member	1976-Present
Cardiac Electrophysiology Society	Member	1980-Present
American Heart Association/ American Stroke Association	Premium Professional Silver Heart Member	2004-

b) International

Mexican Society of Cardiology Mexico	Honorary Member	1972-Present
Sociedad Centroamericana de Cardiologia El Salvador	Honorary Member	1975-Present
Sociedad Nicaraguense de Cardiologia Managua, Nicaragua	Honorary Member	1975-1979
Colegio Medico y Cirujanos de Nicaragua Managua, Nicaragua	Honorary	1975-1979
Portuguese Cardiac Pacing Association	Honorary Member	1979-Present
Sociedad Espanola de Cardiologia Valencia, Spain	Honorary Member	1979-Present
Whales Heart Satellite Tracking International Consulting Board	Honorary Member	1989-Present
Sociedad Venezolana de Cardiologia Caracas, Venezuela	Honorary	1989-Present

Sociedad Sudamericana de Electrofisiologia	Honorary Member	1985-Present
Sociedad Dominicana de Cardiologia Santo Domingo, Dominica Republicana	Honorary Member	1997
Sociedad Puertorriquena de Cardiologia Ponce, Puerto Rico	Honorary Member	1999

21. Honors and Awards

a) **Honors**

Certificate of Appreciation for Contribution to the 17th Annual Scientific Session of the American College of Cardiology. San Francisco, California, 1968.

Certificate of Appreciation for Commendable Collaboration to the VIII Interamerican Congress of Cardiology, Lima, Peru, 1968.

Certificate of Appreciation for Excellent Scientific Contribution to the X Interamerican Congress of Cardiology, Caracas, Venezuela, 1976.

The Government of Venezuela, Department of Health, Education and Welfare named two new units "Dr. Agustin Castellanos Clinical Electrophysiology and Pacemaker Units". This honor was sponsored by the Administration of the Hospital Central de Valencia and the Division of Cardiology. This honor was given in recognition of continued efforts in the cardiovascular research field and in appreciation for the training of many specialists in the area of cardiac arrhythmias and more specific of many Venezuelan physicians. 1982.

American Hospital of Miami "Latin American Cardiovascular Seminar Honoring Agustin Castellanos, MD". Testimonial given by former trainees at the University of Miami School of Medicine (practicing in Dade County) in collaboration with former trainees from Venezuela and Mexico. American Hospital Auditorium, Miami Florida, March 20, 1982.

Dedication of book "Electrocardiografia Integral" (Bravo, Nicholas ed.) by Dr. Demetrio Sodi Pallares, Mexico, D.F., 1993.

La Sociedad Dominicana de Cardiologia presents Dr. Agustin Castellanos with a diploma for his outstanding participation as an invited speaker at the XVI Congreso Dominicano de Cardiologia, Santo Domingo, August 6-9, 1997.

La Sociedad Dominicana de Cardiologia presents Dr. Agustin Castellanos with a diploma accrediting him as an Honorary Member of their society for his valuable contribution to the development of cardiology in the world, Santo Domingo, Dominican Republic, August 9,

1997.

La Asociacion Puertorriquena del Corazon recognizes Dr. Agustin Castellanos, FACC for his extensive contribution to modern cardiology; scientific knowledge; and the academic formation of many of their Puerto Rican physicians in Ponce, Puerto Rico on February 21, 1999.

The North American Society of Pacing and Electrophysiology's Oral History Committee recognized the "Invaluable Efforts of Agustin Castellanos, MD in the Preparation of the Barouh V. Berkovits Exhibit". NASPE's 22nd Annual Scientific Sessions, Boston, May 2001.

The Journal of Interventional Cardiac Electrophysiology honored Dr. Castellanos in the History section of the year (section editor: B. Luderitz) for his original work on Wolff-Parkinson-White syndrome, 2001;5:223.

The 2002 Update on Historical Perspectives on Antiarrhythmic Electrotherapy recognized the *priority* of the work of Dr. Castellanos and coworkers on Bifocal Demand Pacing (1969) and Simultaneous Biventricular Stimulation (1979). J Cardiovasc Electrophysiol, 13(Suppl):S2-S8, January 2002.

b) **Awards**

IX Congreso Medico Nacional Second Prize for Excellency Award for the scientific exhibit "Vectorcardiografia Espacial". Havana, Cuba, 1955.

The Heart Association of Greater Miami Sailing Baruch Award, Miami, Florida, 1965.

VIII Interamerican Congress of Cardiology Gold Medal, Lima, Peru, 1968.

American Medical Association Physicians Recognition Award. 1970-1992.

Bibliotheque Nationale Universiteti Shtetetor Shqiperia Arogjike Award, Tirane, Albania. 1972.

American College of Cardiology Second Place - Governors Award for Excellency for the scientific exhibit "Custom made pacemakers for recurrent supraventricular or ventricular tachycardias". 25th Annual Session, New Orleans, Louisiana, 1976.

X Interamerican Congress of Cardiology 1976 Award for Best Scientific Exhibit "New type of pacemakers for the treatment of recurrent supraventricular and ventricular tachycardias". Caracas, Venezuela, 1976.

Fundacion Venezolana de Cardiologia 1976 Award at the X Interamerican Congress of Cardiology for Best Scientific Communication "Ventricular vulnerability is not always the mechanism of arrhythmias produced by pacemaker stimuli falling on the T wave". Caracas,

Venezuela, 1976.

Cruzada Educativa Cubana "Juan R. Remos 1978 Award", Miami, Florida, 1978

Condecoration "Order of Honor Andres Bellos" presented by the President of the Republic of Venezuela; the highest condecoration given by this country for excellency in teaching. Caracas, Venezuela, November 1986.

"25 Years of Dedicated Scholarship 1962-1987" Award given by Dr. Bernard J. Fogel in his capacity of Vice-President for Medical Affairs and Dean of the School of Medicine. Lake Buena Vista, Florida, May 30, 1987.

Distinguish Scientist Award North American Society of Pacing and Electrophysiology (NASPE) Board of Trustees for outstanding contributions to the fields of Pacing and Electrophysiology. Given at the Eleventh Annual Scientific Sessions of NASPE, San Diego Convention Center, San Diego, California, June 1, 1990.

Plaque: "In Recognition and Appreciation for 33 Years of Devotion, Distinguished Work and Faithful Service" from the University of Miami, June 1 1996.

2000-2001 Senior Faculty Clinical Research Award. In recognition of contributions to the expansion of medical knowledge through research and continued commitment to the mission of the University of Miami-School of Medicine, April 2001.

The Puerto Rico Chapter of the American College of Cardiology granted a Special Award for "Outstanding Contributions to the 12th Annual Scientific Meeting". San Juan, Puerto Rico, June 8-10, 2001.

41 Aniversario Colegio Medico Cubano Libre – Official Member of the World Medical Association, Cuban Medical Association in Exile proudly and gratefully awards This Diploma of Honor in recognition of Distinguished Participation in the Sixteenth International Cuban Medical Association Congress. Miami Beach, Florida, June 30-July 7, 2001.

The American Heart Association and the Council on Clinical Cardiology names Agustin Castellanos, MD, FAHA Fellow of said organization, July 2, 1001.

Diploma al Merito from the Patronato Jose Marti awarded as recognition of merits – civil, patriotic, cultural and professional in conjunction with the presentation of La Rosa Blanca. Los Angeles, California, January 20, 2002.

OUTSTANDING FACULTY TEACHER AWARD from the University of Miami Division of Cardiology presented "In Recognition of His Commitment to Academics", June 2003.

OUTSTANDING FACULTY TEACHER AWARD from the University of Miami Division of Cardiology presented "In Recognition of His Commitment to Academics", June 2006.

CAREER ACHIEVMENT AWARD to its Valued and Respected Colleague from the Faculty of the Division of Cardiology of the University of Miami Miller School of Medicine. Presented "In Recognition of more than 50 Years of Clinical, Educational, and Research Contributions to the Field of Electrocardiography and Clinical Cardiac Electrophysiology", June 2007.

22. Post-Doctoral Fellowships: None.

23. Other Professional Activities:

a) **Visiting Professorships**

University of Kentucky School of Medicine Lexington, Kentucky	March 21-22, 1968
Emory University at Woodruff Medical Center Atlanta, Georgia	Feb 3-5, 1972
University of Pennsylvania, Hospital of the University of Pennsylvania, Philadelphia, PA	Sept 28, 1972
Emory University School of Medicine, Grady Memorial Hospital, Atlanta, Georgia	May 10, 1973
Escuela Nacional de Medicina, Hospital Occidental y Oriental, Managua, Nicaragua	April 2-3, 1973
Universidad Central de Venezuela Escuela de Medicina and the Sociedad Venezolana de Cardiologia, Caracas, Venezuela	Feb 6-7, 1976
University of Alabama in Birmingham and Medical Center - Department of Medicine Birmingham, Alabama	Feb 21-22, 1978
University of Puerto Rico School of Medicine and the Veterans Administration Hospital San Juan, Puerto Rico	April 4-6, 1978
Universidad Madre y Maestra School of Medicine Santiago de los Caballeros, Dominican Republic	Oct 27-30, 1978
The Johns Hopkins Hospital Institutions Johns Hopkins Hospital, Baltimore, Maryland	April 25, 1979
North Charles General Hospital Baltimore, Maryland	April 24, 1979
Universidad Catolica Madre y Maestra School of Medicine - Santiago, Dominican Republic	Sept 22-24, 1983

University of Puerto Rico School of Medicine
and the Veterans Administration Hospital
San Juan, Puerto Rico

Sept 26-27, 1983

Division of Cardiology - Veterans
Administration Hospital. Washington, D.C.

Dec 22-23, 1983

Universidad Central de Venezuela School of
Medicine, Caracas, Venezuela

Oct 2, 1984

University of Pennsylvania School of Medicine
Hospital of the University of Pennsylvania
Philadelphia, Pennsylvania

April 8-9, 1987

b) Invited Outside Lectureships:

Overlook Hospital, Summit, New Jersey, May 10, 1965.
Electrical therapy in cardiology.

Intensive Course given to the Puerto Rico Medical Association, San Juan, Puerto Rico, March 29-31, 1967.

- 1) Clinical and electrophysiologic aspects of electronic pacemakers.
- 2) Clinical use, toxic reactions and treatment of digitalis and quinidine.
- 3) Techniques, indications, contradictions and adverse reactions of cardioversion.

Johns Hopkins Hospital, Baltimore, Maryland, November 1, 1967.

- 1) The electrical digitalis test.
- 2) Digitalis toxicity.

Mount Sinai Hospital, Baltimore, Maryland, November 2, 1967.

- 1) Left axis deviation.
 - 2) Cardiomyopathy.
- Grand Rounds: Cardiomyopathy. What should I do?

Emory University Woodruff Medical Center Cardiology Conference at Grady Memorial Hospital, Atlanta, Georgia, October 14, 1970.

- 1) Mechanisms of AV block in acute myocardial infarction.
- 2) Introduction to hemiblocks.
- 3) Modalities of intracardiac pacing.

Duke University Medical Center and the Veterans Administration Hospital, Durham, North Carolina, December 16, 1970.

- 1) Indications for pacing based on physiology.
- 2) Special pacemaker problems including pacing in myocardial infarction.

The National Institute of Cardiology of Mexico and the Mexican Society of Cardiology "Disturbances of the AV conduction and the cardiac rhythm". National Institute of Cardiology Auditorium, Mexico City, Mexico. August 24-26, 1972.

Guest Lecturer: 1) Acute hemiblocks. 2) New advances in the diagnosis and treatment (clinical and surgical) of the pre-excitation syndrome. 3) Cardiac pacemakers: Electrophysiology, indications and complications.

The American College of Cardiology "Cardiology for the Consultant: A Clinician's Retreat". Rancho Santa Fe, California, November 6-15, 1972.

The conduction system of the heart.

Annual Meeting of the Venezuelan Chapter of the South America Society for Pacing and Electrophysiology, Tamanaco Hotel, Caracas, Venezuela, September 4, 1984.

Medical technology in third world countries.

Baylor College of Medicine - The Methodist Hospital, Houston, Texas, April 24, 1986.

Cardiology Grand Rounds - Atrioventricular block and concealed conduction.

Palm Beach Garden Hospital, Palm Beach Garden, Florida, April 25, 1989.

Cardiology Grand Rounds - Pro-arrhythmic effects of antiarrhythmic agents.

c) **Scientific Presentations at National and International Meetings:**

1954 - 1960

II World Congress of Cardiology. Washington, D.C., September 1954.

Paper Presented: A postmortem study of the left atrial appendage in 14 cases of acute rheumatic fever with special reference to Aschoff bodies.

VI Interamerican Congress of Cardiology. Havana, Cuba, November 1956.

Paper Presented: (1) Bilateral functional bundle branch block; aberrant ventricular conduction imitating ventricular paroxysmal tachycardia. (2) Efectos de la procainamida sobre la taquicardia auricular con bloqueo digitalica. (3) Arritmias provocadas por aminas simpaticomimeticas.

III World Congress of Cardiology. Brussels, Belgium, October 1958.

Paper Presented: The normal vectorcardiogram in newborns.

1961 - 1969

IV World Congress of Cardiology, Mexico City, Mexico, October 7-13, 1962.

Paper presented A-V nodal tachycardia with block produced by digitalis.
VII Interamerican Congress of Cardiology. Montreal, Canada, June 1964.

Paper presented: (1) The "Demand" cardiac pacemaker, a new instrument for the treatment of A-V conduction disturbances. (2) Analisis vectorcardiografico del asa de T en la infancia.

37th Scientific Sessions of the American Heart Association. Atlantic City, New Jersey, October 23-25, 1964.

Paper presented: Ventricular arrhythmias induced by direct-current countershock.

American Medical Association 18th Clinical Convention. Miami Beach, Florida, Nov 29/Dec 2, 1964.

Scientific exhibit: Pacemaking on Demand in A-V block.

14th Annual Scientific Session of the American College of Cardiology. Boston, Massachusetts, February 16-18, 1965.

Paper presented: Countershock exposed quinidine syncope.

Scientific exhibit: Cardiac pacemaking on demand in A-V block.

The Chicago Medical Society Annual Clinical Conference. Chicago, Illinois, March 1-4, 1965.

Scientific exhibit: Pacemaking on demand in A-V block.

Hahnemann Symposium "Mechanisms and Therapy of Cardiac Arrhythmias". Philadelphia, Pennsylvania, April 26-29, 1965.

Lecturer: Nodal mechanisms with independent activation of the atria.

North Carolina State Medical Society Annual Meeting. Charlotte, North Carolina, May 1-5, 1965.

Scientific exhibit: Pacemaking on demand in A-V block.

Symposium on Vectorcardiography. Long Island Jewish Hospital, New York, New York, 1965.

Lecturer; (1) Post infarction conduction disturbances. (2) The T loop in ventricular enlargements in congenital heart disease.

38th Scientific Sessions of the American Heart Association. Bal Harbour, Florida, October 15-17, 1965.

Paper presented: The Wedensky effect: Clinical application.

Scientific exhibit: (1) Diagnostic vectorcardiography. (2) Iatrogenic electrical arrhythmias.

Third Annual Postgraduate Course of the American College of Chest Physicians, Miami Beach, Florida, January 24-28, 1966.

Panelist: The modern diagnostic and therapeutic methods in cardiovascular disease.

15th Annual Scientific Session of the American College of Cardiology, Chicago, Illinois, February 2-6, 1966.

Paper presented: Repetitive firing during synchronized ventricular stimulation.

Scientific exhibit: Diagnostic vectorcardiography

The National Children's Cardiac Hospital - University of Miami School of Medicine Postgraduate Program "Selected Topics in Pediatric Cardiology". Miami, Florida, April 15-16, 1966.

Lecturer: Electrocardiographic manifestations in congenital heart disease.

American College of Chest Physicians Annual Meeting. Diplomat Hotel, Hollywood, Florida, May 14, 1966.

Panelist: Digitalis: uses, abuses in arrhythmias.

39th Scientific Sessions of the American Heart Association. New York City, New York, October 21-23, 1966.

Paper presented Evaluation of countershock in the treatment of A-V nodal tachycardias.

Scientific Exhibit: Programmed Vectorcardiography.

Fourth Annual Graduate Course of the American College of Chest physicians. Miami Beach, Florida, January 30-February 3, 1967.

Lecturer: The use of electrical stimuli as an indicant of digitalis overdosage.

Panelist: Therapy of arrhythmias.

Sixteenth Annual Scientific Session of the American College of Cardiology. Washington, D.C., February 15-19, 1967.

Lecturer: Effects of acute digitalization on the response to low energy electrical discharges.

Panelist: Analysis of complex arrhythmias.

Scientific exhibit: (1) Programmed vectorcardiography. (2) Continuous monitoring of pacemaking on demand.

American College of Chest Physicians Annual Meeting. Americana Hotel, Miami Beach, Florida, May 13, 1967.

Panelist: Epicardial versus pervenous pacemakers.

40th Scientific Sessions of the American Heart Association. San Francisco, California, October 20-22, 1967.

Scientific exhibit: Programmed vectorcardiography.

Twentieth Annual Meeting of the Gerontological Society. Princess Martha Hotel, St. Petersburg, Florida, November 8-11, 1967.

Lecturer: Significance of left axis deviation in the aged.

American Heart Association Council on Clinical Cardiology "3 Days of Cardiology". Saint Petersburg, Florida, November 30-December 3, 1967.

Lecturer: (1) Localization of pacemaker sites. (2) An electrical digitalis tolerance test. (3) Novel pacemaker arrhythmias.

University of Miami School of Medicine Postgraduate Course "The difficult medical patient".
Fontainebleau Hotel, Miami Beach, Florida, February 4-9, 1968

Panelist: (1) Ventricular fibrillation and cardioversion (2) Digitalis: Too much or too little?
American College of Chest Physicians 5th Annual Postgraduate Course "Practical Aspects of the
Diagnosis and Treatment of Cardiovascular and Pulmonary Disease". Fontainebleau Hotel, Miami
Beach, Florida, March 4-8, 1968.

Panelist: Modern management of arrhythmias.

17th Annual Scientific Session of the American College of Cardiology. San Francisco, California,
Feb. 28/March 3, 1968.

Panelist: Digitalis toxicity.

Scientific exhibit: (1) Electrical exposure of concealed digitalis arrhythmias. (2)
Programmed vectorcardiography.

VIII Interamerican Congress of Cardiology. Lima, Peru, April 1968.

Paper presented: (1) Electrophysiology of ventriculo-synchronized pacemakers. (2)
Arritmias por intoxicacion digitalica.

Panelist: (1) The controversy of the electrocardiographic diagnosis: The computer vs the
expert in electrocardiography. (2) Long-term results with the use of pacemakers. (3) Aggressive
treatment of arrhythmias in acute myocardial infarction.

Twentieth Annual Meeting and Scientific Sessions of the Georgia Heart Association. Holiday Inn of
Callaway Gardens, Pine Mountain, Georgia, September 15-17, 1968.

Lecturer: QRS morphologies of different pacemaker sites.

37th Annual Symposium of Los Angeles County Heart Association and the American College of
Cardiology. Statler Hilton Hotel, Los Angeles, California, October 9-10, 1968

Lecturer: (1) Uncommon arrhythmias in myocardial infarction (2) Complications of
pacemaker therapy.

Panelist: Electrical pacing.

The New York Academy of Sciences "Advances in Cardiac Pacemakers". The Belmont Plaza Hotel,
New York, New York, November 17-19, 1968.

Lecturer: Pacemaker induced cardiac rhythm disturbances.

41st Scientific Sessions of the American Heart Association. Americana Hotel, Bal Harbour, Florida,
November 21-24, 1968.

Scientific exhibit: Programmed instruction and self assessment in acute myocardial
infarction arrhythmias.

American College of Chest Physicians Annual Meeting. Dauville Hotel, Miami Beach, Florida, Nov
30 - Dec 2, 1968.

Panelist: Panel discussion on pacemakers.

American Medical Association 22nd Clinical Convention. Convention Hall, Miami Beach, Florida, December 1-4, 1968.

Lecturer: Cardiac arrhythmias: Electrocardiographic patterns produced by block in the divisions of the left branch.

University of Miami School of Medicine "Bedside Interpretation of Laboratory Data". Americana Hotel, Miami Beach, Florida, January 15-19, 1969.

Lecturer: The role of the vectorcardiogram in clinical cardiology.

18th Annual Scientific Session of the American College of Cardiology. New York Hilton Hotel, New York, February 26-March 2, 1969.

Panelist: The analysis of complex arrhythmias - I and II.

Scientific Exhibit: A-V block in acute myocardial infarction: Genesis, treatment and self-assessment.

American College of Chest Physicians Sixth Annual Postgraduate Course
"Practical Aspects of the Diagnosis and Treatment of Cardiovascular and Pulmonary Diseases".
Fontainebleau Hotel, Miami Beach, Florida March 3-7, 1969.

Lecturer: Vignettes in a coronary care unit.

Panelist: How do you treat this case?

University of Miami School of Medicine Teaching Conference in Cardiology. Hilton Plaza Hotel, Miami Beach, Florida, March 12-15, 1969.

Lecturer: The ECG - Newer Methods.

The George Washington University School of Medicine and the Washington Heart Association
"Recent Advances in Electrocardiology". Washington, D.C., October 8 & 9, 1969.

Lecturer: (1) The QRS complex produced by ventricular pacing.

(2) Current status of pacemaker therapy.

VI National Congress of Cardiology. Mexico City, Mexico, October 19-25, 1969

Paper presented: El potencial del haz de His en el corazon humano.

The Rogers Heart Foundation 7th Annual Cardiology Seminar. Tides Bath Club, Saint Petersburg, Florida, October 23-26, 1969.

Lecturer: (1) Bifocal demand pacemaker. (2) QRS changes produced by coronary angiography.

42nd Scientific Sessions of the American Heart Association. Dallas Memorial Auditorium, Dallas, Texas, November 13-16, 1969.

Scientific exhibit: Diagrammatic representation of pacemaker arrhythmias.

University of Miami School of Medicine and the American College of Cardiology Seminar "The

Comprehensive Management of Myocardial Infarction". Sheraton-Four Ambassadors Hotel, Miami, Florida, December 4-6, 1969.

Lecturer: (1) Value and limitations of the electrocardiogram in the diagnosis of acute myocardial infarction. (2) Mechanisms of conduction defects in acute myocardial infarction.

1970 - 1979

University of Minnesota Medical School Postgraduate Course "Arrhythmias, Coronary Disease and Sudden Death". Mayo Memorial Auditorium, Minneapolis, Minnesota, February 16 & 17, 1970.

Lecturer: Intracardiac recording in the analysis of block and arrhythmia.

19th Annual Scientific Session of the American College of Cardiology. New Orleans, Louisiana, February 25-March 1, 1970.

Lecturer: (1) Management of reciprocating tachycardias. (2) Pacemaker arrhythmias.

Paper presented: The mechanisms of Wolff-Parkinson-White syndrome as studied by His bundle recordings.

Panelist: Identification of pacemaker induced arrhythmias.

Scientific exhibit: Programmed instruction in pacemaker arrhythmias.

University of Miami School of Medicine - Department of Medicine Postgraduate Course in Internal Medicine "Treatment of Common Medical Disorders". Sheraton-Four Ambassadors Hotel, Miami, Florida, March 2-6, 1970.

Lecturer: Arrhythmias outside the coronary care unit.

American College of Chest Physicians 7th Annual Postgraduate Course "Newest Concepts in Cardiopulmonary Medicine". Fontainebleau Hotel, Miami Beach, Florida, March 2-6, 1970.

Lecturer: Management of heart block in acute myocardial infarction.

Panelist: How do you treat this case?

University of Miami School of Medicine Second Teaching Conference in Clinical Cardiology. Sheraton-Four Ambassadors Hotel, Miami, Florida March 11-14, 1970.

Panelist: Current concepts in coronary care.

American Heart Association Northeast Ohio Chapter Scientific Council. Cleveland Clinic, Cleveland, Ohio, March 25, 1970.

Lecturer: Current concepts in artificial pacing.

20th Annual Scientific Sessions of the Pennsylvania Heart Association. Harrisburg, Pennsylvania, May 7-8, 1970.

Lecturer: (1) Mechanism of conduction defects in the acute myocardial infarction. (2) Trouble shooting in the coronary care unit.

XI International Symposium on Vectorcardiography - Long Island Jewish Medical Center. Hotel

Americana, New York City, New York, May 15-17, 1970.

Lecturer: (1) The vectorcardiogram in left posterior hemiblock. (2) The vectorcardiogram of different pacemaker sites. (3) Digitalis- induced ST-T loop changes in infants and children.

Panelist: Computer applications.

American College of Chest Physicians and the University of Chicago Pritzker School of Medicine Cardiology Symposium "Aspects of Atrioventricular and Intraventricular Conduction". Chicago, Illinois, May 28-29, 1970.

Panelist: Multiple AV node pathways. Anomalous atrioventricular excitation (WPW syndrome) - Clinical implications.

The Clinique de Maladies Cardiovasculaires de la Faculte de Medecine de Nancy and the Societe Francaise de Cardiologie "Problemes poses par l'implantation et la surveillance des stimulateurs cardiaques". Monaco, Europe, September 17-19, 1970.

Lecturer: QRS triggered pacemaker and arrhythmias related to early systolic stimulation.

The New Jersey Heart Association CCU Working Conference "Newer Concepts in Coronary Care in the 1970's". Holiday Inn, Atlantic City, New Jersey, October 3-4, 1970.

Lecturer: Mechanisms of conduction defects in acute myocardial infarction.

Saint Joseph's Infirmary First Symposium on Coronary Care Nurses - Coronary Care Unit. Atlanta, Georgia, October 13-15, 1970.

Lecturer: Current concepts in coronary care.

Second Fall Scientific Assembly (36th Annual Meeting) of the American College of chest Physicians. Century-Plaza Hotel, Los Angeles (Beverly Hills), California, October 25-29, 1970.

Scientific exhibit: Bifocal demand pacemaker.

The University of Florida College of Medicine, The Duval Medical Center and the Northeast Florida Heart Association Seminar "New Concepts in Electrocardiography". Ponce de Leon Lodge and Country Club, Saint Augustine, Florida, November 5-6, 1970.

Lecturer: (1) Introduction to His bundle recording. (2) The QRS complex of different pacemaker sites. (3) His bundle recordings in acute myocardial infarction. (4) His bundle recordings in WPW syndrome. (5) His bundle recordings in reciprocating tachycardias with and without WPW syndrome. (6) Re-evaluation of the activation process in the human heart using close bipolar leads. (7) Effects of beta blockers (propranolol and alprenolol) in acute post-infarction tachyarrhythmias.

43rd Scientific Sessions of the American Heart Association. Convention Hall, Atlantic City, New Jersey, November 12-15, 1970.

Paper presented: His bundle recordings in Wolff-Parkinson-White arrhythmias.

New York Heart Association and "Heart Fund Conference on Heart Block: Clinical and Physiological Considerations". The Waldorf-Astoria Hotel, New York, New York, January 26, 1971.

Lecturer: Diagnosis of left anterior and left posterior hemiblock in the presence of myocardial infarction.

Thirteenth Annual Cardiovascular Seminar. Hillsborough County Heart Association. Suncoast Heart Association - University of South Florida College of Medicine. Princess Martha Motor Hotel, Saint Petersburg, Florida, January 29-30, 1971.

Lecturer: (1) Physiopathology and therapy of AV block in acute myocardial infarction. (2) Diagnosis of hemiblocks in the presence of myocardial infarction.

Twentieth Annual Scientific Session of the American College of Cardiology. Sheraton-Park and Shoreham Hotels. Washington, D. C., February 3-7, 1971.

Lecturer: Electrocardiography of clinical arrhythmias.

Panelist: (1) New concepts in electrotherapeutics and diagnosis. (2) Interpretation of arrhythmias.

Scientific exhibit: Programmed instruction in bifocal demand pacemaker arrhythmias.

University of Miami School of Medicine-Department of Medicine Sixth Annual Postgraduate Course in Internal Medicine "Truths, Near-Truths and Non-Truths." Sheraton-Four Ambassadors Hotel, Miami, Florida, February 14-19, 1971.

Lecturer: The abnormal electrocardiogram.

The University of Louisville School of Medicine, the Heart Association of Louisville and Jefferson County, and the Kentucky Academy of the American Heart Association "Seventeenth Annual Symposium on Cardiovascular Diseases". Stouffer's Louisville Inn, Louisville, Kentucky, March 11-13, 1971.

Lecturer: (1) Wolff-Parkinson-White syndrome. (2) Pacemaker therapy today: ECG-recognition-indication-types. (3) Pacemaker therapy in acute myocardial infarction.

The University of Miami School of Medicine Third Teaching Conference in Clinical Cardiology. Sheraton-Four Ambassadors Hotel, Miami, Florida March 17-20, 1971.

Lecturer: Trifascicular block.

Annual Meeting of the American College of Chest Physicians Florida Chapter. Americana Hotel, Miami Beach, Florida, May 6, 1971.

Panelist: Combined use of pharmacologic agents and pacing in the treatment of arrhythmias.

Florida Medical Association Scientific Assembly. Americana Hotel, Miami Beach, Florida, May 8, 1971.

Lecturer: The use of cardiac pacemaker: A current review.

Emory University School of Medicine - Department of Medicine "4 Days of Cardiology - Advanced Electrocardiography". Grady Memorial Hospital Auditorium, Atlanta, Georgia, May 10-13, 1971.

Lecturer: (1) Mechanisms of AV conduction in Wolff-Parkinson-White syndrome. (2) Mechanisms of retrograde His bundle, atrial activation, ventricular echoes and reciprocating

tachycardias.

Heart Association of Southeastern Pennsylvania Tenth National Symposium "Sudden Cardiac Death". Sheraton Hotel, Philadelphia, Pennsylvania, June 3, 4, 1971.

Lecturer: Block in the bundle branch divisions and sudden cardiac death.

120th American Medical Association Annual Convention. Atlantic City, New Jersey, June 20-24, 1971.

Lecturer: Management of ventricular arrhythmias.

Cleveland Clinic and the Council on Clinical Cardiology of the American Heart Association 3 Days of Cardiology "Coronary Disease: 1971". Cleveland, Ohio, September 20-22, 1971.

Lecturer: (1) Diagnosis of left anterior hemiblock and left posterior hemiblock in the presence of acute myocardial infarction. (2) Mechanism and treatment of atrioventricular block in acute myocardial infarction.

25th Hahnemann Symposium, Hahnemann Medical College and Hospital. Marriott Motor Hotel, Philadelphia, Pennsylvania, September 21-25, 1971.

Lecturer: (1) Diagnosis of left anterior hemiblock and left posterior hemiblock in the presence of acute myocardial infarction. (2) Mechanism and treatment of atrioventricular block in acute myocardial infarction.

University of Florida College of Medicine Department of Medicine - Jacksonville Hospitals Educational Program "Current Concepts of Cardiac Conduction". Ponce de Leon & Country Club, Saint Augustine, Florida, September 17-18, 1971.

Lecturer: (1) Intracardiac recordings in Type I A-V block. (2) Intracardiac recordings during intraventricular conduction defects. (3) Morphology of ectopic ventricular rhythm. (4) Incidence & causes of pacemaker complications. (5) Bifocal demand pacing, rate hysteresis and partial sensing.

Twenty-third Annual Scientific Assembly of the American Academy of General Practice. Miami Beach Convention Hall, Miami Beach, Florida, October 4-7, 1971.

Lecturer: Clinical relevance of the hemiblocks.

University of Miami School of Medicine and the American Heart Association Council on Clinical Cardiology 3 Days of Cardiology "Modern Management of the Acute Cardiac Patient". Sheraton-Four Ambassadors Hotel, Miami, Florida October 7-9, 1971.

Co-Director of Program.

Lecturer: Beta adrenergic blocking agents - Electrophysiological aspects in the human heart.

Panelist: How do you treat this case?

37th Annual Meeting of the American College of Chest Physicians. Sheraton Hotel, Philadelphia, Pennsylvania, October 24-28, 1971.

Lecturer: Mechanisms of iatrogenic right ventricular pre-excitation coexisting with right bundle branch block.

44th Scientific Sessions of the American Heart Association. Convention Center, Anaheim, California, November 11-14, 1971.

Paper presented: Vectorcardiographic significance of coexisting initial and terminal delays in pre-excitation syndrome.

Lecturer: Cardiac arrhythmias: Recent advances in recognition and treatment.

Scientific exhibit: Bifocal demand pacing in the Coronary Care Unit.

University of Miami School of Medicine Department of Anesthesia Third Interamerican Seminar in Anesthesia. Playboy Plaza Hotel, Miami Beach, Florida, January 3-5, 1972.

Lecturer: Early diagnosis of malignant ventricular arrhythmias.

University of Miami School of Medicine and the American College of Cardiology "Controversies in Cardiovascular Medicine: Practical Aspects". Sheraton-Four Ambassadors Hotel, Miami, Florida, January 12-14, 1972.

Lecturer: Genesis of tachyarrhythmias in the presence of bypass tracts.

Heart Association of Broward County Annual Educational Conference "Pacing Today". Galt Ocean Mile Hotel, Fort Lauderdale, Florida, February 11, 1972.

Lecturer: Indications for pacing.

University of Miami School of Medicine Department of Medicine Seventh Annual Postgraduate Course "Internal Medicine 1972". Sheraton-Four Ambassadors Hotel, Miami, Florida, February 13-18, 1972.

Panelist: Pacing of the heart in acute myocardial infarction.

Twenty-First Annual Scientific Session of the American College of Cardiology. Conrad Hilton Hotel, Chicago, Illinois, March 1-5, 1972.

Lecturer: A study of the ventricular activation process in pre-excitation syndrome using His bundle and 1 mm apart bipolar electrograms.

Panelist: Understanding arrhythmias II: The contribution of His electrocardiography.

Scientific exhibit: Bifocal demand pacing in the Coronary Care Unit.

University of Miami School of Medicine Fourth Teaching Conference in Clinical Cardiology. Sheraton-Four Ambassadors Hotel, Miami, Florida, March 15-18, 1972.

Lecturer: Trifascicular block and the His bundle electrogram.

Twenty-Fourth Annual Convention and Scientific Assembly of the Pennsylvania Academy of General Practice. El Conquistador Hotel, San Juan, Puerto Rico, April 21-22, 1972.

Lecturer: (1) Practical ECG interpretation in cardiac arrhythmias.

(2) Practical ECG interpretation in cardiac disease.

IX Interamerican Congress of Cardiology. Civic Auditorium, San Francisco, California, April 23-29, 1972.

Lecturer: Vectorcardiographic changes produced by electrical stimulation of the heart in Wolff-Parkinson-White syndrome type A.

Scientific exhibit: Bifocal demand pacing in the Coronary Care Unit.

American College of Chest Physicians Annual Meeting. Diplomat Hotel, Hollywood, Florida, May 4, 1972.

Panelist: Mechanisms of arrhythmias. Reentry, automaticity and concealed conduction. Florida Heart Association Nursing Education Committee and Nursing Education Committee of the Heart Association of Palm Beach County "Keeping Pace with Pacemakers". The Breakers Hotel, Palm Beach, Florida, May 19, 1972.

Lecturer: Tomorrow's pacemakers.

The Texas Heart Institute of Saint Luke's Episcopal and Texas Children's Hospital "Horizons in Cardiology". Texas Children's Hospital Auditorium, Houston Texas, June 1-3, 1972.

Lecturer: (1) Development of new techniques in electrocardiography; the conducting system. Fascicular block. (2) Application of newer electrocardiographic techniques in interpretation and understanding of cardiac arrhythmias.

The Hahnemann Medical College and Hospital and the American College of Cardiology "Mechanisms and Therapy of Cardiac Arrhythmias". The Holiday Inn Penn Center, Philadelphia, Pennsylvania, September 28-30, 1972.

Lecturer: (1) Identification of fascicular block. (2) Importance of AV conduction block type I and type II.

45th Scientific Sessions of the American Heart Association. Dallas Memorial Auditorium, Dallas, Texas. November 16-19, 1972.

Lecturer: Bilateral bundle branch block and sick sinus syndrome.

Scientific exhibit: Electrogenesis of arrhythmias in acute myocardial infarction.

The Rogers Heart Foundation 10th Annual Cardiology Seminar "Selected Topics in Cardiology". Freeport, Bahama Islands, December 1-4, 1972.

Lecturer: (1) Hemiblocks in inferior infarction. (2) Electrophysiology of the His bundle and its branches. (3) His bundle electrograms in the WPW syndrome. (4) The brave new world of pacing.

The American College of Cardiology and the Saint Francis Hospital "Controversies in Cardiovascular Disease: A practical Interpretation". Sheraton-Four Ambassadors Hotel, Miami, Florida. January 10-12, 1973.

Lecturer: His bundle studies.

University of Southern California School of Medicine "Arrhythmias Retreat East". El Conquistador Hotel and Club, Las Croabas, Puerto Rico, January 15-19, 1973.

Lecturer: Pre-excitation. Reentry mechanisms.

University of Miami School of Medicine - Department of Medicine 8th Annual Postgraduate Course "Internal Medicine 1973". Sheraton-Four Ambassadors Hotel, Miami, Florida, February 11-16, 1973.

Lecturer: Current concepts in conduction abnormalities.

22nd Annual Scientific Session of the American College of Cardiology. Brooks Hall Civic Auditorium, San Francisco, California, February 14-18, 1973.

Lecturer: Wolff-Parkinson-White syndrome.

University of Miami School of Medicine Fifth Teaching Conference in Clinical Cardiology. Sheraton-Four Ambassadors Hotel, Miami, Florida, March 14-17, 1973.

Panelist: ECG analysis.

Emory University School of Medicine "The Collection and Interpretation of a Cardiovascular Data Base". Royal Coach Motor Hotel, Atlanta, Georgia, May 7-9, 1973.

Lecturer: (1) Electrocardiography. (2) Non-routine electrocardiography.

University of Miami School of Medicine "Master Interpretation of Clinical Electrophysiology". The Contemporary Hotel, Walt Disney World, Lake Buena Vista, Florida, May 29-31, 1973.

Course Director

Northeast Florida Heart Association "The Anatomy of the Pacemaker". Ponce de Leon Hotel, Saint Augustine, Florida, October 19 & 20, 1973.

Lecturer: (1) Modalities of (implantable) electrical stimulation of the heart. (2) Electrodynamics of A-V block in acute MI.

Panelist: Case presentation.

American College of Cardiology "Cardiac Pacing", New York Hilton Hotel, New York, New York, October 31-Nov. 2, 1973.

Lecturer: (1) Pacemaker control of reentry tachyarrhythmias. (2) Acute myocardial infarction - When to pace.

Panelist: (1) His bundle electrophysiology of heart block. (2) Problems of temporary pacing; (3) Atrial pacing techniques - Permanent and temporary.

Mount Sinai Medical Center "An International Symposium in Clinical Electrophysiology: His Bundle Electrocardiography". Sheraton-Four Ambassadors Hotel, Miami, Florida. January 9-11, 1974.

Lecturer: Selection of drug therapy: WPW arrhythmias, A-V block.

23rd Annual Scientific Session of the American College of Cardiology. New York Hilton Hotel, New York, New York, February 11-14, 1974.

Panelist: Fascicular blocks - 1974.

Scientific exhibit: The St-qR pattern: A sign for the diagnosis of infarction during ventricular pacing.

University of Miami School of Medicine Department of Medicine "Internal Medicine - 1974". Sheraton-Four Ambassadors Hotel, Miami, Florida, February 17-22, 1974.

Lecturer: Indications for permanent ventricular pacing.

Florida Heart Association - Marion County Division "First Annual Cardiopulmonary Seminar". Ramada Inn Convention Center, Ocala, Florida, March 7-8, 1974.

Lecturer: (1) Monitoring the QRS complex. (2) Arrhythmias in the acutely ill coronary patient.

University of Miami School of Medicine Sixth Teaching Conference in Clinical Cardiology. Sheraton-Four Ambassadors Hotel, Miami, Florida, March 13-16, 1974.

Lecturer: Atrioventricular block, His bundle electrograms and pacemakers.

University of Miami School of Medicine "Avant Garde Electrocardiography for Nurses - The QRS Complex and Related Waves". Playboy Plaza Hotel, Miami Beach, Florida, March 22-23, 1974.

Course Director.

University of Miami School of Medicine "Symposium: Hypertension, Diuretics and Potassium". Sheraton-Four Ambassadors Hotel, Miami, Florida, April 8-9, 1974.

Lecturer: Effects of K depletion on the heart.

The Johns Hopkins University School of Medicine "The Ventricular Ectopic Beat: Heart-Throb or Harbinger of Death". Cross Keys Inn, Baltimore, Maryland, May 9-11, 1974.

Lecturer: (1) Site of origin of ventricular ectopic beats. (2) Contributions of His bundle electrocardiography to the understanding of ventricular arrhythmias. (3) Acute myocardial infarction-fascicular and other rhythms.

University of Miami School of Medicine "Master Approach to Cardiac Emergencies". The Contemporary Hotel, Lake Buena Vista, Florida, May 2-4, 1974.

Course Director

University of Miami School of Medicine - Department of Medicine Review Course "Fundamental and Clinical Aspects of Internal Medicine". Sheraton- Four Ambassadors Hotel, Miami, Florida, October 6-19, 1974.

Lecturer: ECGs in intraventricular disturbances.

47th Scientific Sessions of the American Heart Association. Dallas Convention Center, Dallas, Texas, November 18-21, 1974.

Lecturer: Recognition of cardiac arrhythmias.

Scientific exhibit: (1) Propranolol in the treatment of arrhythmias in acute myocardial

infarction (2) Hexapolar catheter electrodes for atrial, ventricular and bifocal A-V pacing and recording.

Florida Heart Association First Annual Research Symposium. Admiral Benbow Inn, Tampa, Florida, January 1, 1974.

Lecturer: Arrhythmias in ischemic heart disease - Magnitude of problem.

University of Miami School of Medicine - Department of Medicine Tenth Annual Postgraduate Course "Internal Medicine - 1975". Fontainebleau Hotel, Miami Beach, Florida, January 19-24, 1975.

Lecturer: Recognition of conduction disturbances.

24th Annual Scientific Session of The American College of Cardiology. Houston, Texas, February 10-13, 1975.

Panelist: (1) Use of pacemakers in the treatment of tachyarrhythmias. (2) Pre-excitation.

Scientific exhibit: Hexapolar catheter electrode for atrial, ventricular and bifocal AV pacing and recording.

University of Miami School of Medicine Seventh Teaching Conference in Clinical Cardiology. Sheraton-Four Ambassadors Hotel, Miami, Florida, March 19-22, 1975.

Lecturer: Hemiblocks in acute infarction: Diagnosis and management.

The Long Island Jewish-Hillside Medical Center and The American College of Cardiology "Clinical Vectorcardiography - 1975". Americana Hotel, New York, New York, May 10-11, 1975.

Panelist: (1) Pacemakers and conduction disorders. (2) VCG with pacemaker and conduction disorders: An overview. (3) Unknown vectorcardiograms.

Emory University School of Medicine and The Georgia Heart Association Four Days of Cardiology "Cardiology for the Internist". Royal Coach Motor Hotel, Atlanta, Georgia, May 1975.

Lecturer: The current status of electrocardiography.

University of Miami School of Medicine "Master Approach to Cardiovascular Problems". The Contemporary Resort Hotel, Walt Disney World, Lake Buena Vista, Florida, May 15-17, 1975.

Course Director

27th Annual Scientific Sessions of the Georgia Heart Association. Royal Coach Motor Hotel, Atlanta, Georgia, September 12-14, 1975.

Lecturer: (1) Selection of a pacemaker for permanent cardiac pacing. (2) When to implant a pacemaker. (3) Three patients presenting with cardiac arrhythmias.

University of Miami School of Medicine - Department of Medicine Second Annual Review Course "Fundamental and Clinical Aspects of Internal Medicine". Key Biscayne Hotel, Key Biscayne, Florida, October 5-18, 1975.

Lecturer: Intraventricular conduction disturbances.

48th Scientific Sessions of the American Heart Association. Anaheim Convention Center, Anaheim, California, November 17-20, 1975.

Paper presented: R-on-T phenomenon during supraventricular tachyarrhythmias in absence of Wolff-Parkinson-White syndrome.

X Central America Congress of Cardiology - El Salvador and Central America Society of Cardiology. San Salvador, El Salvador, C.A, November 5-8, 1975.

Lecturer: (1) Hemiblocks. (2) Temporary pacemaker. (3) Permanent pacemaker. (4) Bundle of His. (5) Treatment of arrhythmias in myocardial infarction.

University of Miami School of Medicine Eleventh Annual Postgraduate Course "Internal Medicine 1976". Fontainebleau Hotel, Miami Beach, Florida, January 20-25, 1975.

Panelist: Electrical instability: Diagnosis and treatment.

25th Annual Scientific Session of the American College of Cardiology. New Orleans, Louisiana, February 23-26, 1976.

Paper presented: The use of left atrial electrograms in the evaluation of anomalous conduction pathways capable of only ventriculo-atrial conduction.

Panelist: Beta-blockers - Use in acute myocardial infarction.

Scientific exhibit: Custom made pacemakers for recurrent supraventricular or ventricular tachycardias.

University of Miami School of Medicine Eighth Teaching Conference in Clinical Cardiology. Sheraton-Four Ambassadors Hotel, Miami, Florida, March 17-20, 1976.

Lecturer: Heart block.

The University of Florida Baptist Memorial Hospital "EKG Reading Course". Gainesville, Florida, April 12-13, 1976

Lecturer: Heart block.

Emory University School of Medicine - Department of Medicine "Frontiers in Cardiology". Royal Coach Motor Hotel, Atlanta, Georgia, May 10-13, 1976.

Lecturer: (1) Conduction disturbances. (2) Cardiac arrhythmias.

University of Miami School of Medicine - "Master Approach to Cardiovascular Problems Fourth Annual Conference". The Contemporary Resort Hotel, Walt Disney World, Lake Buena Vista, Florida, May 29-31, 1976.

Course Director

X Interamerican Congress of Cardiology - Interamerican Society of Cardiology and the Sociedad Venezolana de Cardiologia, Caracas, Venezuela, September 5-11, 1976.

Paper presented: The pattern of retrograde atrial activation in patients with and without concealed Wolff-Parkinson-White syndrome.

Lecturer: (1) Bundle of His electrocardiography. (2) New concepts in pacemakers.

Panelist: (1) Diagnosis and treatment of arrhythmias. (2) His bundle electrocardiography (II).

Scientific exhibit: New types of pacemakers for the treatment of recurrent supraventricular and ventricular tachycardias.

Broward General Medical Center "A Pacemaker Symposium". Marina Bay, Fort Lauderdale, Florida, September 17-18, 1976.

Lecturer: (1) Cardiac electrophysiology. (2) Temporary pacing - endocardial electrograms.

Panelist: Pacemakers and their arrhythmias.

28th Annual Scientific Assembly of the American Academy of Family Physicians. Boston, Massachusetts, September 20-23, 1976.

Scientific exhibit: Custom made pacemaker for recurrent supraventricular or ventricular tachycardias.

University of Miami School of Medicine "Topics in Family Medicine - 1976". Americana Hotel, Miami Beach, Florida, October 6-10, 1976.

Lecturer: Discharge planning for myocardial infarction.

University of Miami School of Medicine - Department of Medicine Review Course "Fundamental and Clinical Aspects of Internal Medicine". Key Biscayne Hotel, Key Biscayne, Florida, October 11-23, 1976.

Lecturer: Electrocardiography update.

The Good Samaritan Hospital and the American College of Cardiology "Electrocardiography: Core Curriculum and Self-Assessment". Scottsdale, Arizona, October 12-14, 1976.

Lecturer: (1) Arrhythmias, sinus and atrial. (2) Arrhythmias, junctional, ventricular, WPW. (3) AV conduction disturbances; syncope.

49th Scientific Sessions of the American Heart Association. Convention Center, Miami Beach, Florida, November 15-18, 1976.

Lecturer: Council in Cardiovascular Nursing - Mechanisms and interpretation of complex arrhythmias.

Scientific exhibit: (1) A design for continuing education: Vignettes of cardiac arrhythmias. (2) Propranolol in the treatment of arrhythmias in acute myocardial infarction.

University of Miami School of Medicine "Emergencies in Internal Medicine". Americana Hotel, Bal Harbour, Florida, December 1-4, 1976.

Lecturer: Cardiac arrhythmias and digitalis intoxication.

University of Miami School of Medicine "Internal Medicine Assembly 1977". Fontainebleau Hotel,

Miami Beach, Florida, January 13-23, 1977.

Lecturer: Electrophysiologic evaluation of the office cardiac patient.

University of Miami School of Medicine Pre-Internal Medicine Assembly 1977 Division of Cardiology Course "Cardiology 1977". Fountainebleau Hotel, Miami Beach, Florida, January 14-16, 1977.

Lecturer: Diagnosis and management of chronic AV conducting system disease.

University of Miami School of Medicine and the Council on Clinical Cardiology of the American Heart Association "Myocardial Infarction Arrhythmias". Eden Rock Hotel, Miami Beach, Florida, January 26-28, 1977.

Lecturer: (1) Bundle branch blocks and hemiblocks in acute myocardial infarction. (2) Indications for temporary and permanent pacemakers in myocardial infarctions.

26th Annual Scientific Session of the American College of Cardiology. Las Vegas Convention Center, Las Vegas, Nevada, March 7-10, 1977.

Lecturer: Pacemaker induced arrhythmias.

Panelist: (1) Atrial arrhythmias. (2) The treatment of pre-excitation arrhythmias.

Scientific exhibit: A design for continuing education - Vignettes of cardiac arrhythmias.

University of Florida "Practical Electrocardiography and Arrhythmias Management for the Family Practitioner". Gainesville Hilton, Gainesville, Florida, April 14-16, 1977.

Lecturer: (1) Basic electrophysiology of the heart. (2) Brady-tachy syndromes. (3) Basic approach to rhythm analysis. (4) Junctional rhythm and AV dissociation. (5) AV block and ventricular rhythm. (6) Complex rhythms, pacemakers and ECG abnormalities.

The Rogers Heart Foundation and the American College of Cardiology "A Symposium on Cardiovascular Nursing". Sheraton Sand Key Hotel, Clearwater Beach, Florida, April 25-28, 1977.

Lecturer: (1) Varieties of AV block. (2) Pacemakers updated.

University of Miami School of Medicine "Master Approach to Cardiovascular Problems Fifth Annual Conference". The Contemporary Resort Hotel, Walt Disney World, Lake Buena Vista, Florida, May 5-7, 1977.

Course Director

University of Miami School of Medicine - Department of Medicine "Review Course for Certification in Internal Medicine". Sheraton-Four Ambassadors Hotel, Miami, Florida, May 29-June 11, 1977.

Panelist: Electrocardiology review.

The American College of Cardiology and the Lankenau Hospital "Interpretation and Therapy of Cardiac Arrhythmias". Philadelphia Marriott Motor Hotel, Philadelphia, Pennsylvania, September 7-10, 1977.

Lecturer: (1) Bundle branch block, fascicular block. (2) W-P-W, atrio-His, AV nodal, concealed bypass tracts.

North Florida Regional Hospital and the North Florida Regional Medical Foundation Fourth Annual

Cardiovascular Symposium. Gainesville Hilton Inn, Gainesville, Florida, September 22-23, 1977.

Lecturer: (1) Conduction defects - bundle branch block, hemiblocks, trifascicular blocks - When to pace or not to pace. (2) Etiology and therapy of refractory supraventricular and ventricular tachy-arrhythmias.

University of Miami School of Medicine - Department of Medicine Fourth Annual Review Course "Fundamental and Clinical Aspects of Internal Medicine". Sheraton-Four Ambassadors Hotel, Miami, Florida October 9-22, 1977.

Lecturer: Chronic AV conducting system disease. Classification, prognosis, management.

Panelist: Cardiology - Electrocardiography.

50th Scientific Sessions of the American Heart Association. Miami Beach Convention Center, Miami Beach, Florida, November 28-December 1, 1977.

Paper presented: Effects of intra-atrial Wenckebach on AV nodal and His-Purkinje conduction.

Panelist: How to treat WPW syndrome.

Scientific exhibit: A design for continuing education. Vignettes of cardiac arrhythmias.

31st American Medical Association Winter Scientific Meeting. Fontainebleau Hotel, Miami Beach, Florida, December 10-13, 1977.

Lecturer: (1) Basic electrocardiography: 1st, 2nd, and 3rd degree AV block. AV dissociation. (2) Basic electrocardiography: Ventricular arrhythmias. (3) Advanced electrocardiography: Supraventricular tachyarrhythmias including those complicating WPW. (4) Ventricular arrhythmias. Fusion beats. (5) 1st and 2nd degree AV block. (6) Complete AV block. (7) AV dissociation. Junctional and reciprocal rhythms. (8) Electrical axis. The hemiblocks. (9) Concealed and supernormal conduction. (10) Pacemakers.

University of Miami School of Medicine and the Veterans Administration Hospital Second Annual Course "Cardiac Arrhythmias". Omni International Hotel, Miami, Florida, January 6-8, 1978.

Lecturer: Electrophysiologic localization and characterization of bypass tracts.

University of Miami School of Medicine - Division of General Medicine "Emergencies in Internal Medicine". Konover Hotel, Miami Beach, Florida, January 10-13, 1978.

Panelist: Cardiac arrhythmias and digitalis intoxication.

Emergency Medical Services, Inc. "Emergency Cardiac Care - 1978 Fourth Annual". Americana Hotel, Bal Harbour, Florida, January 26-28, 1978.

Lecturer: Advanced ECG.

Broward General Medical Center "Cardiology for the Clinician". Marina Bay, Fort Lauderdale, Florida, February 3-5, 1978.

Lecturer: Indications for pacing in the treatment of tachyarrhythmias.

University of Miami School of Medicine and the American College of Cardiology "Management of Cardiac Disease - 1978". Omni International Hotel, Miami, Florida, February 3-5, 1978.

Course Director

University of Miami School of Medicine - Department of Internal Medicine Thirteenth Annual Postgraduate Course "Internal Medicine 1978". Fontainebleau Hotel, Miami Beach, Florida, February 5-10, 1978.

Panelist: (1) Electrophysiologic evaluation of the office cardiac patient (2) AV block and intraventricular abnormalities.

27th Annual Scientific Session of the American College of Cardiology. Anaheim Convention Center, Anaheim, California, March 6-9, 1978.

Paper presented: Mechanisms of tachyarrhythmias in the Lown-Ganong-Levine syndrome.

Panelist: Management of bifascicular block.

Scientific exhibit: A design for continuing education. Vignettes of cardiac arrhythmias.

University of Miami School of Medicine Tenth Teaching Conference in Clinical Cardiology. Americana Hotel, Bal Harbour, Florida, March 22-25, 1978.

Lecturer: AV conduction disturbances - chronic.

The University of Florida College of Medicine "Electrocardiography and Arrhythmia Management for the Practitioner". Gainesville Hilton, Gainesville, Florida, April 20-22, 1978.

Lecturer: (1) SA and AV nodal dysfunction. Recognition and treatment. (2) Complex rhythm disturbance (AV) dissociation, tachyarrhythmia. (3) Clinical assessment and management of a variety of common and uncommon arrhythmias. (4) Wolff-Parkinson-White syndrome: Mechanism and medical management.

The Chicago Medical School and the American Heart Association Council on Clinical Cardiology Second International Symposium on Clinical Electrophysiology "Innovations in Diagnosis and Management of Cardiac Arrhythmias". McCormick Inn, Chicago, Illinois, May 10-12, 1978.

Paper presented: (1) Bidirectional tachycardia. (2) Atrial fibrillation and atrial flutter in WPW.

University of Miami School of Medicine "Master Approach to Cardiovascular Problems Sixth Annual Conference". The Contemporary Resort Hotel, Walt Disney World, Lake Buena Vista, Florida, May 28-30, 1978.

Course Director

University of Miami School of Medicine - Department of Internal Medicine Fifth Annual Review Course for Certification in Internal Medicine "Fundamental and Clinical Aspects of Internal Medicine". Key Biscayne Hotel, Key Biscayne, Florida, August 20-September 2, 1978.

Lecturer: Chronic AV conduction system disease - classification, prognosis and management.

Panelist: Ventricular arrhythmias.

University of Miami School of Medicine Department of Medicine and the University of Puerto Rico School of Medicine Department of Medicine "Emergencies in Internal Medicine". Caribe Hilton Hotel, San Juan, Puerto Rico, October 31-November 4, 1978.

Lecturer: Emergency treatment of arrhythmias.

University of Missouri-Kansas City and the American College of Cardiology "Cardiology for the Consultant: A Clinician's Retreat". Rancho Santa Fe Inn, Rancho Santa Fe, California, November 6-15, 1978.

Lecturer: (1) AV conduction in atrial flutter and fibrillation and their normal and abnormal response to digitalis and propranolol. (2) Mechanism of recurrent reciprocating tachycardias. Treatment of acute episodes. Pharmacological, electrical and surgical prevention of their recurrence. (3) Indications for pacemaker implantation. Socio-economic, medical and philosophical impact of pacemaker technology with special reference to its relation to science fiction.

51th Scientific Sessions of the American Heart Association. Dallas Convention Center, Dallas, Texas, November 13-16, 1978.

Paper presented: Ventricular tachycardia and ventricular fibrillation in patients with short P-R intervals and narrow QRS complexes.

Scientific exhibit: A design for continuing education. Vignettes of cardiac arrhythmias.

University of Puerto Rico School of Medicine and the Veterans Administration Hospital "Primer Simposio Latinoamericano de Arritmias Cardiacas". El Conquistador Hotel, Fajardo, Puerto Rico, December 2-4, 1978.

Course Director

Lecturer: (1) Nuevas formas de estimulación eléctrica en el tratamiento de arritmias. (2) Evaluación clínica del paciente con marcapasos artificiales. (3) Trazados electrocardiográficos de difícil interpretación - Presentación de casos.

Panelist: Estimulación eléctrica vs tratamiento farmacológico de las arritmias cardíacas.

The Lankenau Hospital and the American College of Cardiology "Interpretation and Therapy of Cardiac Arrhythmias". Philadelphia Marriott Motor Hotel, Philadelphia, Pennsylvania, December 11-14, 1978.

Lecturer: WPW patterns and WPW tachycardia, LGL syndrome, concealed bypass tracts, preexcitation with atrial fibrillation.

Panelist: Preexcitation syndromes.

University of Miami School of Medicine Department of Internal Medicine 14th Annual Postgraduate Course "Internal Medicine 1979". Fontainebleau Hilton Hotel, Miami Beach, Florida, February 11-16, 1979.

Panelist: (1) Office Cardiology. (2) AV block and indications for pacemaker.

University of Miami School of Medicine 11th Teaching Conference in Clinical Cardiology. Americana Hotel, Bal Harbour, Florida, February 28-March 3, 1979.

Lecturer: (1) Core curriculum ECG (2) Diagnosis of ischemia, injury and infarction. (3) EKG workshop: Advanced group.

28th Annual Scientific Session of the American College of Cardiology. Miami Beach Convention Center, Miami Beach, Florida, March 11-15, 1979.

Lecturer: Diagnosis of complex arrhythmias.

Scientific exhibit: Vignettes of cardiac arrhythmias - Designed for continuing education.

University of Miami School of Medicine "Master Approach to Cardiovascular Problems" Seventh Annual Conference. The Contemporary Resort Hotel, Walt Disney World, Lake Buena Vista, Florida, June 8-10, 1979.

Course Director

University of Miami School of Medicine Department of Medicine Sixth Annual Review Course for Certification in Internal Medicine "Fundamental and Clinical Aspects of Internal Medicine." American Hotel, Bal Harbour, Florida, August 18-31, 1979.

Lecturer: (1) Chronic AV conducting system disease-Classification and management. (2) Treatment of acute cardiac arrhythmias.

University of Miami School of Medicine Department of Anesthesiology "Segundo Curso de Actualizacion en Anestesia: Konover Hotel, Miami Beach, Florida, September 5-9, 1979.

Lecturer: (1) Diagnostico y pronostico de los bloqueos de rama. (2) Indicaciones para marcapaso pre-operativo.

52nd Scientific Sessions of the American Heart Association. Anaheim Convention Center, Anaheim, California, November 12-15, 1979.

Paper presented: Absence of modulation in intermittent ventricular parasystole.

Lecturer: Conduction system disease.

Scientific exhibit: A design for continuing education. Vignettes of cardiac arrhythmias.

1980-1989

University of Miami School of Medicine 12th Teaching Conference in Clinical Cardiology. Americana Hotel, Bal Harbour, Florida, February 27-March 1, 1980.

Lecturer: (1) Pacemakers - Current status. (2) ECG workshop - Ischemia, injury, infarction and arrhythmias.

Panelist: (1) Mechanisms and drug treatment of arrhythmias.

29th Annual Scientific Session of the American College of Cardiology. Houston Convention Center, Houston, Texas, March 9-13, 1980.

Paper presented: Evaluation of an implantable programmable multimodal (DVI, DVI-DVO, DOO sequential and DOO simultaneous) pacemaker for the control of supraventricular tachycardias.

Lecturer: Spectrum of supraventricular tachycardia - Implications for therapy.

Central Florida Chapter of the American Heart Association "Cardiology at Walt Disney World." The Contemporary Hotel, Walt Disney World, Lake Buena Vista, Florida, March 27-30, 1980.

Lecturer: (1) Implantable pacemakers for the treatment of tachyarrhythmias. (2) Digitalis intoxication in 1980.

American Heart Association Greater Miami and American Heart Association Broward County Chapter "Analysis and Treatment of Cardiac Arrhythmias." Memorial Hospital, Hollywood, Florida, April 17, 1980.

Lecturer: Supraventricular arrhythmias - Mechanisms and treatment.

Cedars-Sinai Medical Center and the American College of Cardiology "New Concepts in Clinical Cardiology". Beverly Hilton Hotel, Beverly Hills, California, April 25-27, 1980.

Lecturer: (1) Perspectives on ventricular aberration. (2) Ventricular tachycardia and ventricular fibrillation in patients with short PR interval. (3) AV block and bundle branch block in the Wolff-Parkinson-White syndrome. (4) Unknown electrocardiograms.

Panelist: (1) Supraventricular tachycardia - Management problems. (2) Wolff-Parkinson-White syndrome - Management problems.

University of Miami School of Medicine "Master Approach to Cardiovascular Problems Eighth Annual Conference". The Contemporary Resort Hotel, Walt Disney World, Lake Buena Vista, Florida, May 31 - June 1, 1980.

Course Director

Master Lecturer: General system theory: Isomorphisms between pacemaker rhythms and natural rhythms.

University of Miami School of Medicine Department of Medicine Seventh Annual Review Course for Certification & Recertification in Internal Medicine "Fundamental and Clinical Aspects of Internal Medicine". Sheraton Bal Harbour Hotel, Bal Harbour, Florida, August 3-16, 1980.

Lecturer: (1) Treatment of acute cardiac arrhythmias. (2) Chronic AV conducting system disease - Classification, prognosis, and management.

XI Interamerican Congress of Cardiology - Interamerican Society of Cardiology. Convention Center, San Juan, Puerto Rico, September 7-13, 1980.

Paper presented: Preliminary studies with an implantable multimodal sequential pacemaker for reciprocating tachycardias.

Lecturer: (1) Diagnosis and treatment of cardiac arrhythmias. (2) Pre-excitation syndromes.

Scientific exhibit: Effects of disopyramide on intermittent ventricular parasystole with phase 3 and phase 4 protection.

University of Miami School of Medicine Division of General Medicine "Emergencies in Internal Medicine. Diagnosis and Management". Sheraton Bal Harbour Hotel, Bal Harbour, Florida, November 2-7, 1980.

Lecturer: Treatment of cardiac arrhythmias.

53rd Scientific Sessions of the American Heart Association. Miami Beach Convention Center, Miami Beach, Florida, November 17-20, 1980.

Lecturer: How to use permanent pacemaker and are too many used.

XXXI Aniversario del Centro Medico "Dr. Rafael Guerra Mendez". Valencia, Venezuela, November 28-29, 1980.

Panelist: Experiencia abierta en estimulacion fisiologica: Taquiarritmias, trastornos hemodinamicos. Metodo diagnosticos, tecnicas de implante, seguimiento y resultados.

University of Miami School of Medicine Department of Medicine "First Interamerican Medical Symposium". Sheraton Bal Harbour Hotel, Bal Harbour, Florida, December 10-13, 1980.

Lecturer: Pacemakers.

University of Miami School of Medicine 13th Teaching Conference in Clinical Cardiology. Sheraton Bal Harbour Hotel, Bal Harbour, Florida, February 25- 28, 1981.

Panelist: Medical treatment of arrhythmias.

University of Miami School of Medicine Department of Medicine Sixteenth Annual Postgraduate Course "Internal Medicine 1981". Sheraton Bal Harbour Hotel, Bal Harbour, Florida February 28 - March 6, 1981.

Panelist: Management of the consequences of acute myocardial infarction.

North Ridge General Hospital "Fifth Annual Cardiovascular Symposium". North Ridge Hospital, Fort Lauderdale, Florida, March 9-12, 1981.

Lecturer: (1) Diagnosis of ventricular arrhythmias and preexcitation syndrome. (2) Drug therapy for ventricular arrhythmias & WPW.

University of Puerto Rico School of Medicine, Puerto Rico Veterans Administration Hospital and the Puerto Rico Medical Association "Cardiologia 1981". Palace Hotel, Isla Verde, Puerto Rico, May 24, 1981.

Lecturer: Pre-excitation - 1981.

University of Miami School of Medicine "Master Approach to Cardiovascular Problems Ninth Annual Conference". The Contemporary Resort Hotel, Walt Disney World, Lake Buena Vista, Florida, May 29-31, 1981.

Course Director

University of Miami School of Medicine Department of Medicine Eighth Annual Review Course for Certification in Internal Medicine "Fundamental and Clinical Aspects of Internal Medicine". Sheraton Bal Harbour, Bal Harbour, Florida, August 9-22, 1981.

Lecturer: (1) Chronic conducting system disease and pacemakers. (2) Acute cardiac arrhythmias.

University of South Carolina College of Medicine "Clinical Cardiology - Newer Trends in Diagnosis and Management". Mill House Hotel, Charleston, South Carolina, September 24-26, 1981.

Lecturer: (1) Progress in the understanding of the mechanisms of cardiac arrhythmias. (2) Progress in the drug therapy of cardiac arrhythmias. (3) Indications for permanent pacing and choice of pacemakers.

University of Florida College of Medicine "14th Family Practice Review". Hotel Royal Plaza, Lake Buena Vista, Florida, November 16-20, 1981.

Lecturer: (1) Treatment of supraventricular arrhythmias. (2) Calcium antagonist use in arrhythmias with ischemic heart disease.

Panelist: New horizon in cardiology.

University of Miami School of Medicine Department of Medicine "Second Interamerican Medical Symposium. Sheraton Bal Harbour Hotel, Bal Harbour, Florida, December 13-17, 1981.

Lecturer: (1) Bradyarrhythmias. (2) Pacemakers.

University of Miami School of Medicine Department of Medicine Seventeenth Annual Postgraduate Course "Internal Medicine 1982". Sheraton Bal Harbour Hotel, Bal Harbour, Florida, February 21-26, 1982.

Lecturer: Rhythm and conduction disturbances in acute myocardial infarction.

Florida Medical Center "Coronary Artery Disease 1982". The Hilton Inn & Conference Center at Inverrary, Fort Lauderdale, Florida, February 25-27, 1982.

Lecturer: (1) New concepts in AV block. (2) New drugs in the management of supraventricular tachycardias.

Saint Vincent's Medical Center "Cardiovascular Symposium". Jacksonville, Florida, March 5-6, 1982.

Lecturer: Analysis of pacemaker malfunction.

University of Miami School of Medicine Fourteenth Teaching Conference in Clinical Cardiology. Sheraton Bal Harbour Hotel, Bal Harbour, Florida, March 10-13, 1982.

Lecturer: (1) Pacemaker treatment of arrhythmias. (2) Advanced ECG.

Panelist: Treatment of arrhythmias.

31st Annual Scientific Session of the American College of Cardiology. Georgia World Congress Center, Atlanta, Georgia, April 25-29, 1982.

Paper presented: One-to-one atrioventricular conduction during atrial pacing at rates of 300/min in absence of Wolff-Parkinson-White syndrome.

Panelist: Classification and treatment of supraventricular tachycardia.

University of Miami School of Medicine "Master Approach to Cardiovascular Problems Tenth Annual Conference". The Contemporary Resort Hotel, Walt Disney World, Lake Buena Vista, Florida, May 30 - June 1, 1982.

Course Director

The University of Aix-Marseille School of Medicine and The French Society of Cardiology "International Symposium on Cardiac Arrhythmias". Palais de Congres, Marseille, France, June 17-19, 1982.

Master Lecturer: Tachyarrhythmias related to the short PR intervals, narrow QRS complex (the so-called Lown-Ganong-Levine syndrome).

University of Miami School of Medicine Department of Medicine Ninth Annual Review Course for Certification in Internal Medicine "Fundamental and Clinical Aspects of Internal Medicine." Key Biscayne Hotel, Key Biscayne, Florida, August 1-14, 1982.

Paper presented: Ventricular tachycardia and atrioventricular reciprocation produced by, and myopotential inhibition of, normally functioning DVI (AV sequential) pacemakers.

Lecturer: Advanced electrocardiography.

The University of Pennsylvania School of Medicine and the University of Limburg, Maastricht, The Netherlands "Tachycardias: Mechanisms, diagnosis and treatment". Bellevue Stratford, Philadelphia, Pennsylvania, September 29 - October 2, 1982.

Lecturer: Arrhythmia in patients with a short PR and normal QRS.

Fundacion COR and Servicio de Cardiologia Hospital Central de Valencia "Seminario Panamericano de Cardiologia". Intercontinental Hotel, Valencia, Venezuela, October 27-30, 1982.

Course Director

International Chairman

Lecturer: Bloqueo auriculoventricular de origen vagal.

55th Scientific Sessions of the American Heart Association. Dallas Convention Center, Dallas, Texas, November 15-18, 1982.

Paper presented: Conduction delay and block distal to the AV nodal reentry circuit: Relationship of electrophysiologic manifestations to underlying mechanisms.

University of Miami School of Medicine Fifteenth Teaching Conference in Clinical Cardiology. Sheraton Bal Harbour Hotel, Bal Harbour, Florida, March 2-5, 1983.

Lecturer: Current pacemakers - types and indications.

Panelist: The treatment of arrhythmias.

North American Society of Pacing and Electrophysiology Fourth Annual Scientific Session. New Orleans, Louisiana, March 20-24, 1983.

Paper presented: Indications for pacemaker implantation in patients with vagal block at the AV node.

Lecturer: Mechanisms and implications of ventricular parasystole in inferior myocardial infarction.

University of Puerto Rico School of Medicine "Primer Congreso Puertorriqueno de Cardiologia". Condado Holiday Inn, San Juan, Puerto Rico, April 7-10, 1983.

Lecturer: (1) Manejo de arritmias cardiacas en pacientes con pre-excitacion. (2) El uso de marcapasos del paciente con arritmias cronicas refractarias.

University of Miami School of Medicine "Master Approach to Cardiovascular Problems Eleventh Annual Conference". The Contemporary Resort Hotel, Walt Disney World, Lake Buena Vista, Florida, May 29-31, 1983.

Course Director

University of Miami School of Medicine Department of Medicine Tenth Annual Review Course for Certification in Internal Medicine "Fundamental and Clinical Aspects of Internal Medicine". Sheraton Bal Harbour Hotel, Bal Harbour, Florida, July 31-August 13, 1983.

Lecturer: (1) Advanced electrocardiography. (2) Acute arrhythmias: Diagnosis and management.

University of Wisconsin School of Medicine Mount Sinai Medical Center Second International Symposium "Electrophysiologic Basis for Diagnosis and Management of Cardiac Arrhythmias". Performing Arts Center, Milwaukee, Wisconsin, October 6-8, 1983.

Lecturer: Preexcitation syndrome: Nomenclature, functional anatomy, prevalence and clinical significance of various types of accessory pathways.

Sociedad Venezolana de Cardiologia "IV Congreso Venezolano de Cardiologia". Concorde Margarita Hotel, Porlamar, Venezuela, October 9-13, 1983.

Lecturer: (1) Paroxysmal AV nodal block. (2) Newer concepts on ventricular arrhythmias. (3) Workshop on arrhythmias.

Panelist: Electrical treatment of ventricular tachycardia.

University of Miami School of Medicine Department of Medicine Nineteenth Annual Postgraduate Course "Internal Medicine 1984". Sheraton Bal Harbour Hotel, Bal Harbour, Florida, February 5-10, 1984.

Lecturer: Electrocardiography of acute arrhythmias.

Florida Medical Center and the University of Miami School of Medicine "Cardiovascular Disease 1984". The Hilton Inn & Conference Center at Inverrary, Fort Lauderdale, Florida, February 23-15, 1984.

Lecturer: Advances in artificial pacemakers: Indications, selection and pitfalls.

University of Miami School of Medicine Sixteenth Teaching Conference on Clinical Cardiology. Sheraton Bal Harbour Hotel, Bal Harbour, Florida, March 7-10, 1984.

Lecturer: Pacemakers for bradyarrhythmias and AV block.

Panelist: The treatment of arrhythmias.

33rd Annual Scientific Session of the American College of Cardiology. Dallas Convention Center, Dallas, Texas, March 25-29, 1984.

Paper presented: Annihilation and modulation of spontaneous parasystolic rhythms.

North American Society of Pacing and Electrophysiology 5th Annual Scientific Session. New York Hilton, New York, New York, May 17-19, 1984.

Paper presented: Entrainment of, and atrial-tachycardia dissociation during, atrioventricular nodal reentry tachycardia.

University of Miami School of Medicine "Master Approach to Cardiovascular Problems 12th Annual Conference". The Contemporary Resort Hotel, Walt Disney World, Lake Buena Vista, Florida, June 1-3, 1984.

Course Director

University of Miami School of Medicine Department of Medicine 11th Annual Review Course for Certification in Internal Medicine "Fundamental and Clinical Aspects of Internal Medicine". Sheraton Bal Harbour Hotel, Bal Harbour, Florida, July 29 - August 11, 1984.

Lecturer: Advanced electrocardiography.

XVII Congress of the Latinamerican Chapter of the International Society for Cardiovascular Surgery. Tamanaco Hotel, Caracas, Venezuela, September 3, 1984.

Lecturer: Sick sinus syndrome.

University of Puerto Rico School of Medicine Department of Medicine Division of Cardiology "Conceptos Modernos sobre Marcapasos Cardiacos Artificiales". Condado Holiday Inn, San Juan, Puerto Rico, October 7, 1984.

Lecturer: Donde estimular ? Una o ambas camaras.

57th Scientific Sessions of the American Heart Association. Miami Beach Convention Center, Miami Beach, Florida, November 12-15, 1984.

Paper presented: Entrainment of automatic parasystolic rhythms.

University of Miami School of Medicine "Master Approach to Cardiovascular Problems 13th Annual Conference". The Contemporary Resort Hotel, Walt Disney World, Lake Buena Vista, Florida, May 25-27, 1985.

Course Director

XII Interamerican Congress of Cardiology. Hotel Vancouver & Hyatt Regency Hotel, Vancouver, Canada, June 16-21, 1985.

Paper presented: (1) Atrioventricular dissociation during, and entrainment of, circus movement tachycardias while pacing from the right ventricle. (2) New method for dual pathway identification in the absence of discontinuous antegrade AV nodal conduction curves.

Panelist: Management of tachyarrhythmias.

University of Miami School of Medicine Department of Medicine Twelfth Annual Review Course for Certification in Internal Medicine "Fundamental and Clinical Aspects of Internal Medicine". Sheraton Bal Harbour Hotel, Bal Harbour, Florida, July 28 - August 10, 1985.

Lecturer: Advanced electrocardiography.

American Heart Association "State of the Art Consensus Conference on Electrophysiological Testing in the Diagnosis and Treatment of Patients with Cardiac Arrhythmias". AMFAC Hotel, Dallas, Texas, September 11-13, 1985.

Panelist: Pacemaker implantation.

Cardiac Electrophysiology Society Annual Symposium. Omni Shoreham Hotel, Washington, D.C., November 11-14, 1985.

Lecturer: Update on clinical electrophysiology and electrocardiography - Parasystole.

58th Scientific Sessions of the American Heart Association. Convention Center, Washington, D.C., November 11-14, 1985.

Paper presented: (1) Modulated ventricular tachycardia with exit block. (2) Atrioventricular dissociation during, and entrainment of, circus movement tachycardias while pacing from the right ventricle.

35th Annual Scientific Session of the American College of Cardiology. Georgia World Congress Center, Atlanta, Georgia, March 9-13, 1986.

Paper presented: Differences between true and false linking in patients with accessory pathways.

University of Miami School of Medicine Eighteenth Teaching Conference in Clinical Cardiology. Sheraton Bal Harbour, Bal Harbour Hotel, Florida, February 26 - March 1, 1986.

Lecturer: (1) Modern pacemakers - Simplicity versus high technology. (2) Advanced ECG.

University of Miami School of Medicine Department of Medicine Twenty-First Annual Postgraduate Course "Internal Medicine 1986". Sheraton Bal Harbour Hotel, Bal Harbour, Florida, March 2-7, 1986.

Lecturer: Electrocardiographic diagnosis of acute cardiac arrhythmias.

University of Miami School of Medicine "Master Approach to Cardiovascular Problems 14th Annual Conference". The Contemporary Resort Hotel, Walt Disney World, Lake Buena Vista, Florida, May 24-26, 1986.

Course Director

University of Miami School of Medicine Department of Medicine Thirteenth Annual Review Course for Certification in Internal Medicine "Fundamental and Clinical Aspects of Internal Medicine". Key Biscayne Hotel & Villas, Key Biscayne, Florida, August 17-30, 1986.

Lecturer: Advanced electrocardiology.

Thirteenth International Congress on Electrocardiology and 27th International Symposium on Vectorcardiography. Washington, D.C., September 10-12, 1986.

Paper presented: Linking phenomenon during atrial stimulation in patients with accessory pathways.

X World Congress of Cardiology of the International Society and Federation of Cardiology. Washington Convention Center, Washington, D.C., September 14-19, 1986.

Paper presented: Circadian variabilities of parasystole.

Venezuela Society of Cardiology "XIV Jornadas Nacionales". Intercontinental Hotel, Valencia, Venezuela, October 29 - November 1, 1986.

Lecturer: Chronobiology of cardiac rhythms.

Panelist: Advances in the diagnosis and treatment of cardiac arrhythmias.

59th Scientific Sessions of the American Heart Association. Dallas Convention Center, Dallas, Texas, November 17-20, 1986.

Lecturer: Advanced electrocardiography.

Paper presented: Manifest entrainment of orthodromic circus movement tachycardia of the long RP type while pacing distally to the atrioventricular node.

University of Miami School of Medicine Nineteenth Teaching Conference in Clinical Cardiology. Sheraton Bal Harbour Hotel, Bal Harbour, Florida, February 25-28, 1987.

Lecturer: (1) Pacemaker therapy - Current status. (2) ECG workshop - Advanced.

Panelist: Discussion on arrhythmias.

University of Miami School of Medicine Department of Medicine Twenty-Second Annual Postgraduate Course "Internal Medicine 1987". Sheraton Bal Harbour Hotel, Bal Harbour, Florida, March 1-6, 1987.

Lecturer: Advanced electrocardiography.

36th Annual Scientific Session of the American College of Cardiology. New Orleans Convention Center, New Orleans, Louisiana, March 8-12, 1987.

Paper presented: (1) Characteristics of entrainment of orthodromic circus movement tachycardia during autodecremental atrial and ventricular stimulation. (2) Circadian variabilities of modulated ventricular parasystole.

North American Society of Pacing and Electrophysiology Eighth Annual Scientific Session. Boston Marriott Copley Place Hotel, Boston, Massachusetts, April 30 - May 3, 1987.

Panelist: Mechanism, recognition and clinical significance of "entrainment" of cardiac arrhythmias.

University of Miami School of Medicine Department of Medicine Fourteenth Annual Review Course for Certification in Internal Medicine "Fundamental and Clinical Aspects of Internal Medicine". Key Biscayne Hotel, Key Biscayne, Florida, August 2-15, 1987.

Lecturer: (1) Evaluation and management of low output states. (2) Advanced electrocardiography.

60th Scientific Sessions of the American Heart Association. Anaheim Convention Center, Anaheim, California, November 16-19, 1987.

Panelist: Electrocardiographic recognition of supraventricular and ventricular tachycardias.

North America Society of Pacing and Electrophysiology "Cardiostim America Third Annual Course Cardiology 1988: From Diagnosis to Therapy". Frenchman's Reef, St. Thomas, U.S. V.I., February 5-9, 1988.

Lecturer: (1) WPW syndrome and its variants: Pearls and pitfalls. (2) The spectrum of rate-dependent blocks.

University of Miami School of Medicine Twentieth Teaching Conference in Clinical Cardiology. Sheraton Bal Harbour Hotel, Bal Harbour, Florida. March 2-5, 1988.

Panelist: Case material on the therapy of symptomatic arrhythmias.

Workshop: Advanced electrocardiography.

University of Miami School of Medicine - Division of Cardiology "Master Approach to Cardiovascular Problems 16th Annual Conference". The Contemporary Resort Hotel, Walt Disney World, Lake Buena Vista, Florida, May 28-30, 1988.

Course Director

Cuban Medical Convention and Pan American Hospital Annual Conference. Miami Intercontinental Hotel, Chopin Plaza, Miami, Florida. June 30th - July 4th, 1988.

Lecturer: Electrocardiology in 1988.

University of Miami School of Medicine Department of Medicine Fifteenth Annual Review Course for Certification in Internal Medicine "Fundamental and Clinical Aspects of Internal Medicine". Sheraton Bal Harbour Hotel, Bal Harbour, Florida, August 7-20, 1988.

Meet the Faculty Sessions: Advanced Electrocardiography.

61st Scientific Sessions of the American Heart Association. Washington Convention Center, Washington, DC, November 14-17, 1988.

(1) Consultant: Abstract Grader. **(2) Lecturer:** Reverse Alternating Wenckebach Periods During Atrial Pacing. **(3) Co-Author:** Differential Prognostic Significance of 2.5 or ≥ 6 Repetitive Ventricular Ectopic Beats. **(4) Comparison of Intravenous and Oral Procainamide Controlling Inducible Sustained Ventricular Tachyarrhythmias.** **(5) How-To Sessions:** How to Recognize Cardiac Arrhythmias in Standard Electrocardiography.

University of Miami School of Medicine Department of Medicine Twenty-Fourth Annual Postgraduate Course "Internal Medicine 1989". Sheraton Bal Harbour Hotel, Bal Harbour, Florida. January 23-28, 1989.

Meet the Faculty Sessions: Electrocardiography, Diagnosis of Acute Cardiac Arrhythmias.

University of Miami School of Medicine Twenty-First "Teaching Conference in Clinical Cardiology". Sheraton Bal Harbour Hotel, Bal Harbour, Florida. March 1-4, 1989.

(1) Panelist: Management of Arrhythmia. **(2) ECG and Arrhythmia Workshops:** Advanced.

University of Miami School of Medicine - Division of Cardiology Seventeenth Annual Conference "Master Approach to Cardiovascular Problems". The Contemporary Resort Hotel, Walt Disney World, Lake Buena Vista, Florida. May 27-29, 1989.

Course Director

University of Miami School of Medicine Twenty-Second "Teaching Conference in Clinical Cardiology". Sheraton Bal Harbour Hotel, Bal Harbour, Florida. February 27-March 2, 1990.

(1) Panelist: Arrhythmia Management. **(2) ECG and Arrhythmia Workshops:** Advanced

39th Annual Scientific Session of the American College of Cardiology. New Orleans Convention Center, New Orleans, Louisiana. March 18-22, 1990.

Author Abstract Presented: Dynamics of Atrioventricular Nodal Conduction Ratios of Unstable 2:1 Block Produced by Atrial Pacing.

University of Miami School of Medicine Division of Cardiology 18th Annual Conference "Master Approach to Cardiovascular Problems". The Contemporary Resort Hotel, Walt Disney World, Lake Buena Vista, Florida. May 26-28, 1990.

Course Director

Cuban Medical Convention. Intercontinental Hotel, Miami, Florida. June 30- July 4, 1990.

Lecturer: Proarrhythmic Effects of Anti-Arrhythmic Agents.

University of Miami School of Medicine Department of Medicine Seventeenth Annual Review Course for Certification in Internal Medicine "Fundamental and Clinical Aspects of Internal Medicine". Sheraton Brickell Point Hotel, Miami, Florida. August 4-12, 1990.

Meet the Faculty Sessions: New Approaches to Electrocardiographic Interpretations.

Sixty-Third Scientific Sessions of the American Heart Association. Dallas Convention Center, Dallas, Texas. November 12-15, 1990.

(1) **How-to-Sessions:** How to Diagnose Complex Arrhythmias From Standard ECG Rhythm Strips. (2) **Abstract Presenter:** Symmetry, Broken Symmetry and Restored Symmetry of Spontaneous Pure Parasystole. (3) **Abstract Co-Author:** Long-Term Effect of Propranolol in Ventricular Tachycardia/Fibrillation Patients With Isoproterenol-Dependent Inducibility.

University of Miami School of Medicine Twenty-Third "Teaching Conference in Clinical Cardiology". Sheraton Bal Harbour Hotel, Bal Harbour, Florida, February 19-22, 1991.

Workshop: ECG, Arrhythmia, and Treadmill Stress Test - Advanced.

40th Annual Scientific Session of the American College of Cardiology. Georgia World Congress Center, Atlanta, Georgia, March 3-7, 1991.

Original Contribution: Dynamics of atrioventricular nodal conduction ratios during conversion of 2:1, into 3:1, 4:1, and 5:1 atrioventricular block.

University of Miami School of Medicine Division of Cardiology 19th Annual Conference "Master Approach to Cardiovascular Problems". The Contemporary Resort Hotel, Walt Disney World, Lake Buena Vista, Florida, May 25-27, 1991.

Course Director

University of Miami School of Medicine Division of Cardiology 20th Annual Conference "Master Approach to Cardiovascular Problems". The Contemporary Resort Hotel, Walt Disney World, Lake Buena Vista, Florida May 23-25, 1992

Course Director

XIV Interamerican Congress of Cardiology. The Dolphin Hotel, Orlando, Florida. May 23-27, 1992.

Discussant: Mini Course "Interpretation of Complex Electrocardiography".

Lecturer: Mechanisms of progression of 2:1 atrioventricular block in patients with documented 2-level conduction disturbances.

University of Miami School of Medicine Twenty-Fifth "Teaching Conference in Clinical Cardiology". Sheraton Bal Harbour Hotel, Bal Harbour, Florida. February 24-26, 1993

Workshop: Advanced Electrocardiography.

University of Miami School of Medicine Division of Cardiology 21st Annual Conference "Master Approach to Cardiovascular Problems". The Contemporary Resort Hotel, Walt Disney World, Lake Buena Vista, Florida May 29-31, 1993.

Course Director

Krannert Institute of Cardiology, Indiana University School of Medicine and the American College of Cardiology "Update in Cardiology: Cardiovascular Board Review". Indiana Convention Center, Indianapolis, Indiana. September 8-12, 1993.

Lecturer: Bundle branch block, fascicular, and nonspecific intraventricular block.

University of Miami School of Medicine Division of Cardiology 22nd Annual Conference "Master Approach to Cardiovascular Problems". The Contemporary Resort Convention Center, Walt Disney World, Lake Buena Vista, Florida. May 28-30, 1994.

Course Director

67th Scientific Session of the American Heart Association. Dallas Convention Center, Dallas, Texas. November 14-17, 1994.

Abstract Presenter: Application of Complexity of Theory to the Analysis of Conduction Ratios Occurring During Progression of Atrial Flutter with 2:1 Atrioventricular Block.

44th Annual Scientific Session of the American College of Cardiology. Ernest N. Morial Convention Center, New Orleans, Louisiana. March 19-22, 1995.

(1) **Presenter:** Complexities of the Dynamical Progression of 4:1 Atrioventricular Block in Atrial Flutter. (2) **Co-Author:** Reduced Complexity of R-R Interval Dynamics in Patients With Coronary Artery Disease.

University of Miami School of Medicine Division of Cardiology 23rd Annual Conference "Master Approach to Cardiovascular Problems". The Contemporary Resort Convention Center, Walt Disney World, Lake Buena Vista, Florida. May 27-29, 1995.

Course Director

Krannert Institute of Cardiology, Indiana University School of Medicine and the American College of Cardiology "Update in Cardiology: Cardiovascular Board Review". Indiana Convention Center, Indianapolis, Indiana. September 6-10, 1995.

Lecturer: Bundle branch block, fascicular, and non-specific intraventricular block.

University of Miami School of Medicine Division of Cardiology 24th Annual Conference "Master Approach to Cardiovascular Problems". The Contemporary Resort Convention Center, Walt Disney World, Lake Buena Vista, Florida. May 25-27, 1996.

Course Director

Futura Media Services, Inc. and University of Miami School of Medicine, Division of Cardiology "Cardiac Accents 1997: Current State of Cardiology. LaPlaya Beach Resort Naples, Florida. January 25-27, 1997.

Chairman

University of Miami School of Medicine, Department of Medicine "24th Annual Board Review Course in Internal Medicine: Fundamental and Clinical Aspects of Internal Medicine". Crowne Plaza Miami-Biscayne Bay, Florida. May 3-10, 1997.

Lecturer: Electrocardiography: The Simple and the Complex.

18th Scientific Sessions of the North American Society of Pacing and Electrophysiology. Ernest N. Morial Convention Center, New Orleans, Louisiana. May 7-10, 1997.

Chairman: Noninvasive Markers Post-MI

18th Scientific Sessions of the North American Society of Pacing and Electrophysiology. Ernest N. Morial Convention Center, New Orleans, Louisiana. May 7-10, 1997.

- 1) **Presenter:** Heart rate variability in inappropriate sinus tachycardia.
2) **Co-Author:** Initial induction of ventricular defibrillation does not facilitate subsequent ventricular fibrillation induction. 3) **Co-Author:** Cyclical variation of inducibility of paroxysmal supraventricular tachycardia in women.

University of Miami School of Medicine Division of Cardiology 25th Anniversary Conference "Master Approach to Cardiovascular Problems". The Contemporary Resort Convention Center, Walt Disney World, Lake Buena Vista, Florida May 24-26, 1997.

Course Director

Sociedad Dominicana de Cardiologia, Inc. "XVI Congreso Dominicano de Cardiologia", Santo Domingo, Republica Dominicana. August 6-9, 1997.

Lecturer: Cardiopatias congenitas.

Krannert Institute of Cardiology, Indiana University School of Medicine and the American College of Cardiology "Update in Cardiology: Cardiovascular Board Review". Indiana Convention Center, Indianapolis, Indiana. September 3-7, 1997.

Lecturer: Bundle branch block, fascicular, and non-specific intraventricular block.

VIII Puerto Rican Congress of Cardiology "XVI Interamerican Congress of Cardiology", Fajardo, Puerto Rico. September 14-18, 1997.

Lecturer: 1). The sinus node in health and disease. 2). Is there a best pharmacologic intervention for conversion of atrial flutter and maintenance of sinus rhythm?

70th Scientific Session of the American Heart Association. Orange County Convention Center, Orlando, Florida. November 9-12, 1997.

Abstract Presenter: Dynamics of and reverse alternating Wenckebach periods during regression of 10:1 to 2:1 atrioventricular nodal block.

Abstract Co-Author: Sinus node and protected ventricular automaticity and of atrioventricular nodal conduction.

47th Annual Scientific Session of the American College of Cardiology. Georgia World Congress Center, Atlanta, Georgia. March 29-April 1, 1998.

Abstract Presenter: Chronic Inappropriate Sinus Tachycardia in Elderly Females: Association with Arterial Hypertension and Psychiatric Disorders.

Abstract Co-Author: High Efficacy of Steroid Treatment in Patients with Right Ventricular Outflow Tract Tachycardia.

Fireside Panel: Developing ECG Diagnostic Skills from Intracardiac Tracing.

University of Miami School of Medicine Division of Cardiology 26th Annual Conference "Master Approach to Cardiovascular Problems". The Contemporary Resort Convention Center, Walt Disney World, Lake Buena Vista, Florida. May 23-25, 1998.

Course Director

American College of Cardiology, Puerto Rico Chapter Symposia – "Evolving Management Strategies for the New Millennium". Ponce Hilton Hotel, Ponce, Puerto Rico. February 21, 1999.

Lecture: Inappropriate Sinus Tachycardia: What have we learned as the millennium approaches?

University of Miami School of Medicine Division of Cardiology 27th Annual Conference "Master Approach to Cardiovascular Problems". The Contemporary Resort Convention Center, Walt Disney World, Lake Buena Vista, Florida. May 29-31, 1999.

Course Director

University of Miami School of Medicine Division of Cardiology 28th Annual Conference "Master Approach to Cardiovascular Problems". The Contemporary Resort Convention Center, Walt Disney World, Lake Buena Vista, Florida. May 27-29, 2000.

Course Director

The Heart Institute at Regional Medical Center Bayonet Point "Cardiology 2001: Mission Possible". The Westin Innisbrook Resort, Palm Harbor, Florida. April 7, 2001.

Lecture: Chronic Inappropriate Sinus Tachycardia Syndromes

University of Miami School of Medicine Division of Cardiology 29th Annual Conference "Master Approach to Cardiovascular Problems". The Contemporary Resort Convention Center, Walt Disney World, Lake Buena Vista, Florida. May 26-28, 2001.

Course Director

Twelfth Annual Scientific Meeting of the American College of Cardiology – Puerto Rico Chapter "Core Curriculum in Cardiac Arrhythmias: New Approaches in Diagnosis and Therapy". Westin Rio Mar, San Juan, Puerto Rico. June 8-10, 2001.

Lecturer: Inappropriate Sinus Tachycardias, Autonomic Influences in Impulse Formation

University of Miami School of Medicine Division of Cardiology 30th Annual Conference "Master Approach to Cardiovascular Problems". The Contemporary Resort Convention Center, Walt Disney World, Lake Buena Vista, Florida. May 25-27, 2002.

Course Director

University of Miami School of Medicine Division of Cardiology 31st Annual Conference "Master Approach to Cardiovascular Problems". The Contemporary Resort Convention Center, Walt Disney World, Lake Buena Vista, Florida. May 24-26, 2003.

Course Director

d) **Research Activities**

1. Application of Complexity Theory to cardiac arrhythmias.
2. Clinical use of a new self-adapting autodecremental electronic pacemaker.
3. Circadian variabilities of atrial arrhythmias.
4. Nonlinear dynamics of AV nodal conduction.
5. Mathematical analysis of ventricular parasystole.

24. **TEACHING**

a) **Teaching Awards Received**

Certificate of Appreciation for Excellency in Teaching. Testimonial Dinner by Physicians in the Community, Miami, Florida, June 15, 1965.

Certificate of Appreciation, Housestaff Variety Children's Hospital, Miami, Florida, 1966-1967

Certificate of Appreciation for Excellency in Teaching. Faculty and Housestaff, Jackson Memorial Hospital/Veterans Administration Medical Center, Miami, Florida. Academic Year 1968-1969.

Testimonial Dinner for Excellency in Teaching University of Miami/Jackson Memorial Medical Center and Physicians in the Community, October 11, 1974.

DQ Award from the Division of Electrophysiology, Duke University (Dr. J. J. Gallagher), Durham, North Carolina, 1978.

University of Miami School of Medicine Division of Cardiology **"Outstanding Teacher of the Year Award"** given by the Fellows in Cardiology of 1988-1989, Miami, Florida, June 23, 1989.

University of Miami School of Medicine Division of Cardiology **"Outstanding Teacher of the Year Award"** given by the Fellows in Cardiology of 1994-1995, Miami, Florida, June 17, 1995.

American College of Cardiology, Florida Chapter **"1998 Gifted Teacher Award"**, for many years of dedication, and his instrumental role in the advancement of cardiovascular medicine through teaching, Orlando, Florida, October 30 & 31, 1998.

"Humanitarian Teacher Award" from the International Group of Ex-Electrophysiology Fellows of the Division of Cardiology, University of Miami School of Medicine, Toronto, Canada, May 12 1999.

"Award for Excellence in Teaching" in recognition of his commitment to Academics and Camaraderie presented by the Cardiology Fellowship Class of 1999, University of Miami Division of Cardiology, June 12, 1999.

b) **Teaching Responsibilities**

1. Divisional Attending for Teaching Rounds in the Coronary Care Unit with Housestaff and Clinical Fellows (3 months/year.)
2. Director, Weekly Electrocardiography Conference for Clinical Fellows, Housestaff and medical students.
3. Daily interpretation of ECGs, Holters, exercise tests, and evaluation of pacemakers with Clinical Fellows, Research Fellows, Housestaff, and medical students (11 months.)
4. Interpretation of invasive electrophysiologic studies with Research Fellows and outside practicing physicians working in this field. (3 months)
5. Teaching the sophomore medical students in the Mechanisms of Disease Annual Course.
6. Teaching fundamentals of research to Clinical and Research Fellows.
7. Tutoring in Electrophysiology to Foreign Visiting Physicians.
25. **Teaching Specialization:** See #23.
26. **Thesis & Dissertation Advising/
Post Doctoral Tutorial Supervision:**

Federico Moleiro, MD Caracas, Venezuela	1974/1976
--	-----------

Joao Pimenta, MD Sao Paulo, Brazil	1976/1977
---------------------------------------	-----------

Ivan J. Mendoza, MD Caracas, Venezuela	1976/1978
---	-----------

Bolivar Portillo, MD	1970/1971
----------------------	-----------

Maracaibo, Venezuela	
----------------------	--

Gerardo Palacios, MD	1972/1973
----------------------	-----------

San Miguel Tucuman, Argentina	
-------------------------------	--

Maria Celeste Vagueiro, Lisboa, Portugal	1973/1974
---	-----------

Manolo Beltran-Baguena, MD Valencia, Spain	1974/1975
---	-----------