

CURRICULUM VITAE

SALVATORE A. CHIARAMIDA, M.D., F.A.C.C., F.A.C.P.

Office Address Division of Cardiology
 25 Courtenay Drive
 Room 7066 ART
 MSC 592
 Charleston, South Carolina 29425

POSITIONS:

2001- Present	Professor of Medicine, Medical University of South Carolina
2002- Present	Director Coronary Care Unit, Medical University of South Carolina
1999- 2003	Professor of Clinical Medicine, New York Medical College
1989-2000	Chief of Cardiology, Our Lady of Mercy Medical Center
1997-Present	Adjunct Professor, Department of Computer and Electrical Engineering (Biomedical Engineering), University of Rhode Island
1992-2000	Chief of Cardiology, Our Lady of Mercy Health Care System, NY
1979-1989	Chief of Cardiology, Raritan Bay Medical Center
1992-2000	Associate Director of Medicine, Our Lady of Mercy Medical Center
1989-1997	Program Director, Fellowship Program in Cardiovascular

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Diseases, New York Medical College at Our Lady of Mercy Medical Center

1997-1999 Assistant Program Director, Fellowship Program in Cardiovascular, Diseases, New York Medical College-Westchester County Medical Center

1993-2000 Chairman, Human Research Review and Research and Publications Committee, Our Lady of Mercy Medical Center

1997-Present Adjunct Professor, Department of Computer and Electrical Engineering (Biomedical Engineering), University of Rhode Island

1995-2001 Member, Board of Trustees, Catholic Health Care System

1999-2001 Secretary, Servitas (PPO)

2000-2000 Executive Vice-President for Clinical Operations, Our Lady of Mercy Medical Center

2000-2000 Medical Director, Our Lady of Mercy Medical Center

1994-2001 Vice President, Member Board of Trustees, Mercy Care PHO

EDUCATION:

Graduate Training

1977-1979 North Shore University Hospital, Fellow in Cardiology
North Shore University Hospital, Manhasset, NY

1975-1977 Cornell Cooperating Hospitals Program II: North Shore University Hospital- Memorial Sloan Kettering Cancer Institute, Junior Assistant Resident, Senior Assistant

Chiaramida

Resident, Internal Medicine

1975-1977 Cornell University Medical College, Fellow in Medicine

1974-1975 Cornell Cooperating Hospitals Program II: North Shore University Hospital- Memorial Sloan Kettering Cancer Institute, Straight Medicine Internship

Graduate/Professional School

1970-1974 New York Medical College, M.D.

Undergraduate College

1966-1970 Fordham University, B.S. Chemistry

1969-1970 Fordham University- Columbia University Combined Program in Chemistry and Chemical Engineering

TEACHING APPOINTMENTS

2002-Present Professor of Medicine, Medical University of South Carolina

1997-Present Adjunct Professor, Department of Computer and Electrical Engineering (Biomedical Engineering), University of Rhode Island

1999-2003 Professor of Clinical Medicine, New York Medical College

1990-1999 Clinical Associate Professor of Medicine, New York Medical College

1983-1992 Clinical Assistant Professor of Medicine, UMDNJ- Robert Wood Johnson Medical School

Chiaramida

1981-1983 Instructor, Medicine, UMDNJ- Robert Wood Johnson
Medical School

MEMBERSHIP AND OFFICES IN PROFESSIONAL SOCIETIES

Fellow, American College of Physicians

Fellow, American College of Cardiology

Delegate, Alternate Delegate, Chairman Program Committee, Chairman Education
Committee, New Jersey State Medical Society

CERTIFICATION

1977 American Board of Internal Medicine (61952)
1979 Subspecialty Board of Cardiovascular Diseases (61952)
2007-2017 Certification Board of Nuclear Cardiology (5366)

COMMITTEE AND ADMINISTRATIVE SERVICE

2009- Advisor Medical Students Cardiology Interest Group
2008- ICU Task Force Executive Committee
2006- Medical Record Physician Advisory Committee, MUSC
2006- Practice Partner Advisory Council, MUSC
2005- Member, Organ and Tissue Donation Committee, MUSC
2003- Member, Critical Care Quality Team, MUSC
2002- Ethics Committee, MUSC
2001- Director CCU, Medical University of South Carolina
2001- Member Critical Care Committee, MUSC
2000-2000 Executive Vice- President Clinical Operations, Our Lady of
Mercy Medical Center
2000-2000 Medical Director, Our Lady of Mercy Medical Center
1989-2000 Chief of Cardiology, Our Lady of Mercy Medical Center
1993-2000 Associate Director of Medicine, Our Lady of Mercy
Medical Center
1989-2000 Director, Coronary Care Unit, Our Lady of Mercy Medical

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Center

1989-1997 Program Director, New York Medical College at Our Lady of Mercy Cardiology Fellowship Program

1997-1999 Assistant Program Director, New York Medical College- Westchester County Medical Center Cardiology Fellowship Program

1994-1997 Member, Graduate Education Committee, New York Medical College

1997-1997 Member, Reengineering Clinical Sciences Design Team, New York Medical College

1997-2000 Chief of Cardiology, Our Lady of Mercy Health Care System

1996-2000 Member, Ethics Committee, Our Lady of Mercy Medical Center

1993-2000 Chairman, Human Research Review and Research and Publications Committee, Our Lady Of Mercy Medical Center

1989-2000 Member, Pharmacy and Therapeutics Committee, Our Lady of Mercy Medical Center

1991-2000 Member, Department of Medicine Quality Assurance Committee, Our Lady of Mercy Medical Center

1991-1991 Member, Search Committee for Chairman of Department of Medicine, Our Lady of Mercy Medical Center

1991-1991 Co- Chairman, Patient Care Committee

1991-2000 Member, Radioisotope Safety Committee, Our Lady of Mercy Medical Center

1979-1989 Director of Cardiology, Raritan Bay Medical Center

1979-1989 Director, Non- invasive Cardiology Diagnostic Center, Raritan Bay Medical Center

1979-1989 Director, Coronary Care Unit, Raritan Bay Medical Center

1985-1989 Chairman, Hearing Panel, Physician's Disciplinary Hearing, Raritan Bay Medical Center

1985-1989 Chairman, CCU Committee, Raritan Bay Medical Center

1988-1989 Member, Bylaws and Emergency Care Unit Committees, Raritan Bay Medical Center

1987-1989 Chairman, Research Committee, Raritan Bay Medical

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Center
1979-1989 Member, Clinical Competence Committees, Raritan Bay Medical Center
1979-1989 Member, Radioisotope Safety Committee, Raritan Bay Medical Center
1979-1989 Member, Administrative Operations Committee, Raritan Bay Medical Center
1976-1977 Member, Patient Care Committee, North Shore University Hospital
1976-1977 Member, Pharmacy and Therapeutics Committee, North Shore University Hospital
1977-1978 Member, Research and Publications Committee, North Shore University Hospital
1977-1978 Member, Mass Casualty and Disaster Committee, North Shore University Hospital

LICENSURE

NEW YORK LICENSE 124734

FLORIDA LICENSE ME84831

SOUTH CAROLINA LICENSE 22713

NEW JERSEY LICENCE 35753

AHA BLS & ACLS CERTIFIED

RADIOACTIVE MATERIALS LICENCE

11/81-7/89 NJLS-70040 State of New Jersey Environmental Protection
01/85-7/89 NJLS-70261

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11/81-7/89	29-11935	US Nuclear Regulatory Commission
04/86-7/89	29-20580	Tc-99m Groups II&III for cardiac
09/13/2007-		Authorized radioisotope user as specified in SC DHEC regulation 61-63 RHA 4.37

CLINICAL APPOINTMENTS

2001-	Attending Physician Medical University of South Carolina
1989-2000	Attending Physician, Our Lady of Mercy Medical Center
1989-1989	Senior Attending Physician, Raritan Bay Medical Center
1985-1989	Attending Physician, Raritan Bay Medical Center
1979-1985	Assistant Attending Physician, Raritan Bay Medical Center
1983-1989	Cardiology Consultant, Woodbridge Developmental Center

GOVERNANCE

1999-2001	Board of Trustees, Catholic Health Care System, NY
1999-2001	Secretary, Servitas (PPO), NY
1999-2001	Chairman, Medical Information Systems Committee of Board of Trustees, Catholic Health Care System, NY
1999-2001	Member, Finance Committee and Strategic Planning Committee of Board of Trustees, Catholic Health Care System, NY
1999-2001	Member, Board of Trustees, Benefice Health (HMO), NY
1998-2001	Member, Board of Trustees, Catholic Health Care Resources LLC, NY

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- 1997-2001 Member, Credentials Committee, Servitas, NY
- 1997-2001 Member, Board of Trustees, Servitas, NY
- 1997-1999 Chairman, Medical Information Systems Committee of Board of Trustees, Catholic Health Care Network
- 1997-1999 Member, Medical Management Task Force and Strategic Planning Task Force, Catholic Health Care Network, NY
- 1996-1997 Member Board of Trustees and Executive Committee, Catholic Health Care Network Physicians Organization
- 1995-1999 Member, Board of Directors, Catholic Health Care Network, NY
- 1995-1999 Chairman, Medical Information Systems Committee of Board of Trustees, Catholic Health Care Network, NY
- 1995-1999 Member, Board Finance and Audit Committee, Board Strategic Planning Committee, New Initiatives Subcommittee and Medical Affairs Task Force, Catholic Health Care Network, NY
- 1994-2001 Vice- President, Member Board of Trustees, Mercy Care PHO
- 1990-2001 President, Bronx River Cardiology, P.C.

COMMUNITY SERVICE

- 2000 Physician- in Charge, Catholic Health Care System, Holy Year Jubilee 2000 Patients' Pilgrimage to Rome.

AWARDS

- 1997 Award for Excellence in Teaching and Dedication to Cardiology Fellowship, New York Medical College-

Chiaramida

Westchester County Medical Center

PROFESSIONAL LISTINGS

1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005,
2006, 2007, 2008, 2009

Marquis Who's Who in America

1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005,
2006, 2007, 2008, 2009

*Marquis Who's Who in Science and
Engineering*

2004, 2005, 2006, 2007, 2008, 2009

*Marquis Who's Who in Medicine
and Healthcare*

2004, 2005, 2006, 2007, 2008, 2009

Marquis Who's Who in the East

1998, 1999

"The Best Doctors in New York,"
New York Magazine

RESEARCH SUPPORT

Ongoing Research Support

Bracco

Chiaramida (Sub-investigator)

Can MDCT with Functional Analysis and Delayed Imaging Distinguish Viable from Non-Viable Myocardium?

Bracco

Chiaramida (Sub-investigator)

SPARC (Study of Perfusion and Anatomy's Role in CAD)

Siemens

Chiaramida (Sub-investigator)

9/1/2007-

Adenosine-Stress Cardiac Dual-Source CT for the Assessment of Myocardial Perfusion and Viability. Multi-Modality Validation Using SPECT and MRI

Duke Clinical Research Institute

Chiaramida (Sub-investigator)

10/1/2007-

ASCEND-HF. Acute Study of Clinical Effectiveness of Nesiritide in Decompensated Heart Failure

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Insight Pharmaceuticals Chiaramida (Sub-investigator) 10/1/2007-
Open Label, Phase 2 Study of the Safety and Efficacy of β -Methyl-p-[123I]-Iodophenyl-
Pentadecanoic Acid for Identification of Ischemic Myocardium Using SPECT in Adults
with Symptoms Consistent with ACS

Eli Lilly & Company Chiaramida (PI) 3/15/2009-
A Comparison of Prasugrel and Clopidogrel in Acute Coronary Syndrome (ACS)
Subjects with Unstable Angina/Non-ST-Elevation Myocardial Infarction (UA/NSTEMI)
Who are Medically Managed – The TRILOGY ACS Study

Completed Research Support

NIH/VA Chiaramida (PI) 1994-1996
The Digitalis Investigation Group
The Effect of Digoxin on Mortality and Morbidity in Patients with Heart Failure

Novartis Chiaramida (PI) 02/00/05-2006
A 52 Week Multicenter, Randomized, Double-Blind Parallel Group Study to Evaluate the
Efficacy of Lotrel® and benazepril/hydrochlorothiazide in the Regression of Left Ventricular
Hypertrophy by Magnetic Resonance Imaging in Patients with High Risk Hypertension.

Fujisawa Healthcare, Inc Chiaramida (Co-PI) 11/15/03-2006
A Multicenter Pilot Study to Evaluate the Efficacy of Adenoscan® (Adenosine) as
Pharmacologic Stress Agent to Assess Coronary Artery Disease by Myocardial Perfusion Using
Contrast Enhanced Magnetic Resonance Imaging in Comparison to Conventional Coronary X-ray
Angiography

Medtronic, Inc. Chiaramida (PI) 06/01/03-2007
Clinical investigation of spinal cord stimulation for the treatment of refractory angina

Seattle
Institute for Cardiac Research Chiaramida (PI) 02/01/03-/31/08
NIH
Home automatic external defibrillator trial (H.A.T.)

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JOURNAL REVIEWER

- 1994 *Simulation*
2003- *Chest*
2004- *American Journal of Physiology (ad Hoc)*
2004- *International Journal of Electronic Business*
2005- *American Journal of the Medical Sciences*

ABSTRACT REVIEWER

- 2004 *CAITA-2004 (Conference on Advances in Internet Technologies and Applications with special emphasis on E-Education, E-Enterprise, E-Manufacturing, and E-Mobility* July,2004, Purdue University, West Lafayette, Indiana USA
- 2004 Internet, Processing, Systems and Interdisciplinary Research Conferences
 July 28-August 2 Pescara, Italy
 September 24-26 Stockholm, Sweden
 October 2-9 Sveti Stefan, Montenegro

PATENTS

2005

U.S.Patent Filed: Integrated Finite Element and Circulatory Model for Predicting the Hemodynamic Effects of Left Ventricular Impairment, Resynchronization, and Remodeling, January 21, 2005. US and International Patents filed 2006. Assignee: University of Rhode Island. Inventors: Sun; Ying; (Wakefield, RI) ; Vetter; Frederick J.; (South Kingston, RI) ; Dong; Rumei; (Kingston, RI) ; Chiaramida; Salvatore A.; (Mount Pleasant, SC).

2007

US Patent Application Publication. Integrated Finite Element and Circulatory Model for Predicting the Hemodynamic Effects of Left Ventricular Impairment,

Chiaramida

Resynchronization, and Remodeling.

Application Number: US 2008/778,231

Publication Number: US 2008/0004508 A1

Filing date: July 16, 2007

Inventors: Ying Sun, Frederick J. Vetter, Rumei Dong, Salvatore A. Chiaramida.

Assignee: The Board of Governors for Higher Education, Providence, Rhode Island (US).

Publication date: January 3, 2008.

Foreign Application Priority Data: Jan 23, 2006. PCT/US06; 703/11.

BIBLIOGRAPHY

INVESTIGATIONS

1. Rubin K, Morrison J, Padnick M, Binder A, Chiaramida SA, Margouleff D, Padmanabhan V, Gulotta S: Idiopathic Hypertrophic Subaortic Stenosis. Evaluation of Anginal Symptoms with Thallium- 201 Myocardial Imaging. American Journal of Cardiology 44: 1040- 1045, 1979.
2. Chiaramida SA, Goldman M, Seem M, Pizzarello R, Goldberg H: Echocardiographic Identification of Intrapericardial Fibrous Strands in Acute Pericarditis with Pericardial Effusion. Chest77:85- 88, 1980.
3. Chiaramida, SA, Goldman M, Zema M, Pizzarello, R, Goldberg H: Real- time Cross-sectional Echocardiographic Diagnosis of Infiltrative Cardiomyopathy Due to Amyloid- A Case Report. Journal of Clinical Ultrasound 8: 58-62, 1980
4. Zema M, Louminais S, Chiaramida SA, Goldman, M, Kligfield P. :Electrocardiographic Poor R wave Progression III; The Normal Variant. Journal of Electrocardiology 13:135- 142, 1980
5. Chiaramida SA, Goldman M, Zema M, Pizzarello R, Goldberg R: Cross- sectional Echocardiographic Diagnosis of Acquired Aneurysm of the Intraventricular Septum. Journal of Clinical Ultrasound 8:356- 359, 1980.
6. Morrison J, Coromilas J, Munsey D, Robbins M, Zema M, Chiaramida SA, Reiser P, Scherr L: Correlation of Radionuclide Estimates of Myocardial Infarct Size and Release of Creatinine Kinase MB in Man. Circulation 62:277- 287, 1980.
7. Zema M, Chiaramida SA, DePhillip G, Goldman M, Pizzarello R: Somatotype and Idiopathic Mitral Valve Prolapse. Catheterization and Cardiovascular Diagnosis 8: 105- 111, 1982.
8. Robbins M, Pizzarello R, Stechel R, Chiaramida SA, Gulotta S: Resting and Exercise Hemodynamics in Constrictive Pericarditis and a Case of Cardiac Amyloidosis Mimicking Constriction. Catheterization and Cardiovascular Diagnosis 9:463- 471, 1983.
9. Raffanti S, Chiaramida A, Sen P, Wright P, Middleton J, Chiaramida SA: Assessment of Cardiac Function in Patients with the Acquired Immunodeficiency Syndrome. Chest 93: 592- 594, 1988.
10. Sun Y and Chiaramida SA: Simulation of Hemodynamics and Regulatory Mechanisms in the Cardiovascular System Based on a Nonlinear and Time- Varying Model. Simulation 59:28-36, 1992.

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11. Caron C, Sun Y, Lucariello R, Chiaramida SA: MacHeart: A Model- Based Authoring System for CAI in Cardiology. MD Computing 10:333- 340, 1993.
12. Reddy B, Caron C, Lucariello R, Hewlett D, Sun Y, Chiaramida SA: Abnormalities in Transmitral Flow Indices in Patients with Acquired Immunodeficiency Syndrome. American Journal of Non- Invasive Cardiology 7: 275- 280, 1993.
13. Sun Y, Lucariello R, Chiaramida SA: Directional Low-pass Filtering of Image Intensity for Improved Accuracy and Reproducibility of Stenosis Quantitation in Coronary Arteriograms. IEEE Transactions on Medical Imaging 14:242-249, 1995
14. Suppappolas G, Sun Y, Chiaramida SA: Gaussian Pulse Decomposition: An Intuitive Model of Electrocardiographic Waveforms: Annals of Biomedical engineering 25:252- 260, 1997.
15. Beshara M, Sun Y, Lucariello R, Chiaramida SA: A Comprehensive Model for Right-Left Heart Interaction under the Influence of Pericardium, Intrathoracic Pressure and Baroreflex. The American Journal of Physiology 272(Heart, Circulation, Physiology 41):1499- 1515, 1997.
16. Lucariello R, Sun y, Doganay G, Chiaramida SA: Sensitivity and Specificity of Left Ventricular Ejection Fraction by Echocardiographic Automated Border Detection: Comparison with Radionuclide Ventriculography. Clinical Cardiology 20:943- 948, 1997.
17. Sun Y, Younhee K, Lucariello, R, Chiaramida, SA: System Identification for a Complex Nonlinear Model of the Cardiovascular System, Proceedings of the IEEE 26th Annual Northeast Bioengineering Conference 26, 135-136, April 2000.
18. Unnikrishnan D, Dutcher J, Varshneya N, Lucariello R, Api M, Garl S, Wiernik P, Chiaramida SA: Torsades de Pointes in Three Leukemia Patients Treated with Arsenic Trioxide. Blood 97: 1514-1516, 2001.
19. Choragudi N, Malkani A, Lucariello R, Prasad P, Sun Y, Chiaramida SA: Comparison of Echocardiography with Technetium 99m Gated Single Photon Emission Computed Tomography as Diagnostic Tools for Left Ventricular Ejection Fraction. Echocardiography 18: 627- 632, 2001.
20. Choragudi NL, Aronow WS, Prakash A, Kurup SK, Chiaramida S, Lucariello R: Does the Serum Cardiac Troponin I Level Increase with Stress Induced Myocardial Ischemia? Heart Disease 4:216- 219, 2002.
21. Prakesh AM, Sun Y, Chiaramida SA, Wu J, Lucariello RJ: Quantitative Assessment of Pericardial Effusion Volume by Two- Dimensional Echocardiography. Journal of the American Society of Echocardiography 16: 147-153, 2003.
22. Chiaramida S, Pereira N, and Sun Y: Computer Model of the Human Circulatory

Chiaramida

- System. Proceedings of the SSGRR 2003s International Conference on Advances in Infrastructure for E-Business, E-Education, E-Science, and E-Medicine on the Internet 14, L'Aquila, Italy, August 2003. (CD-ROM-6 pages)
23. Dong R, Sun Y, Vetter FJ, Chiaramida SA. Time-Varying Left Ventricular Elastance Determined by a Finite Element Model. Proceedings of the IEEE 30th Annual Northeast Bioengineering Conference 30: 188-189, April 2004.
 24. Dong R, Sun Y, Vetter FJ, Chiaramida SA. Modeling Effects of Infarction on Cardiac Function with Dynamic Finite Element Analysis. Proceedings of the IEEE 31st Annual Northeast Bioengineering Conference 31: 150-151, April 2005.
 25. Dong R, Sun Y, Vetter FJ, Chiaramida SA. Hemodynamic Effect of Infarct Location on Left Ventricular Wall Based on an Integrated Finite Element and Circulatory Model. Computers in Cardiology 32: 797-800, September 2005.
 26. Dong R, Sun Y, Vetter FJ, Chiaramida SA. Dynamic Finite Element Analysis on Surgical Ventricular Restoration. Proceedings of the IEEE 32nd Annual Northeast Bioengineering Conference 32: 19-20, 2006.
 27. Thilo C, Schoepf UJ, Gordon L, Chiaramida S, Serguson J, Ngyuen SA, Costello P. Integrated Assessment of Coronary Anatomy and Perfusion Using a Retractable SPECT Scanner Combined with 64-Slice CT: Initial Experience. European Radiology 2009 Apr; 19: 845-56. Epub 2008 Oct 30.
 28. Ruzsics B, Chiaramida S, MD, Schoepf UJ. Images in Cardiology- Dual-Energy CT Imaging of Myocardial Infarction. Heart 2009; 95(3): 180.
 29. Bauer RW, Christian T, Nguyen, MD, Chiaramida SA, Vogl TJ, Costello P, Schoepf UJ. Non-Calcified Atherosclerotic Plaque Burden at Coronary CTA: a Better Predictor of Ischemia at Myocardial Perfusion Imaging than Calcium Score and Stenosis Severity. American Journal of Roentgenology, In Press (Aug 2009).
 30. Schwarz, F, Balazs R, Schoepf UJ, Bastarrika G, Chiaramida S, Abro J, Brothers R, Vogt S, Schmidt B, Costello P, Zwerner P. Dual-Energy CT of the Heart - Principles and Protocols. European Journal of Radiology 2008: Dec 68(3): 423-33. Epub 2008 Nov 12.
 31. Thilo C, Schoepf UJ, Gordon L, Chiaramida S, Serguson J, Costello P. Integrated assessment of coronary anatomy and myocardial perfusion using a retractable SPECT camera combined with 64-slice CT: initial experience. European Journal of Radiology 2009: Apr 19(4):845-56. Epub 2008 Oct 30.
 32. Ruzsics B, Florian S, Schoepf UJ, Lee YS, Bastarrika G, Chiaramida S, Costello P, Zwerner P. Comparison of Dual-Energy CT of the Heart for the Assessment of Coronary Artery Stenosis and the Myocardial Blood Supply. American Journal of Cardiology, in Press, August 2009.
 33. Schwarz F, Bastarrika G, Chiaramida SA, Hlavacek AM, Gregg D, Bandisode VM, Costello P, Schoepf UJ. Incidental diagnosis of tetralogy of Fallot in a 55-year old

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man - Findings at cardiac CT and trans-esophageal echocardiography. Submitted to Circulation– Images in Cardiovascular Medicine, January 2009.

CLINICAL TRIALS

1. Powers E et.al.: A Double- Blind Comparison of Lisinopril with Captopril in Patients with Symptomatic Congestive Heart Failure: Journal of Cardiovascular Pharmacology 9(Supplement 3):582-588, 1987
2. Giles T et.al.: Lisinopril and Captopril in the Treatment of Congestive Heart Failure in Older Patients. A Comparison of Long and Short Acting Angiotensin-Converting Enzyme Inhibitors. The American Journal of Medicine 85(Supplement 3B): 44-47, 1988.
3. Giles T et.al.: Short and Long- Acting Angiotensin- Converting Enzyme Inhibitors: A Randomized Trial of Lisinopril Versus Captopril in the Treatment of Congestive Heart Failure. Journal of the American College of Cardiology 26:1240-1247, 1989.
4. Frishman W et.al.: Addition of Zatebridine, a Direct Sinus Node Inhibitor, Provides No Greater Exercise Tolerance Benefit in Patients with Angina Taking Extended Release Nifedipine: Results of a Multicenter, Randomized, Double-Blind, Placebo- Controlled, Parallel- Group Study. Journal of the American College of Cardiology 26:305-312, 1995.
5. The Digitalis Investigation Group: Rationale, Design, Implementation, and Baseline Characteristics of Patients in the DIG Trial: A Large, Simple, Long-Term Trial to Evaluate the Effect of Digitalis on Mortality in Heart Failure. Controlled Clinical Trials 17: 77-97, 1996.
6. The Digitalis Investigation Group: The Effect of Digoxin on Mortality and Morbidity in Patients with Heart Failure. New England Journal of Medicine 336:525-533, 1997.
7. HAT Investigators. Results of the Home Automatic External Defibrillator Trial (HAT). ACC 2008. Late- Breaking Clinical Trials II.
8. Bardy GH and the HAT Investigators. Home use of automated external defibrillators for sudden cardiac arrest. New England Journal of Medicine 358(17):1793-804, 2008. Epub Apr 1, 2008.

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ABSTRACTS

1. Zema M, Chiaramida SA, Robbins M, Coromilas J, Reiser P, Morrison J: Digitalis and Evolving Myocardial Infarction. Clinical Research 27:219A, 1979.
2. Renda J, Baruiz M, Patel R, Sahni R, Chiaramida SA: Cardiac Arrhythmias in Maintenance Hemodialysis. Presented at American College of Physicians Annual Associates Meeting, New Jersey Chapter, May 1983.
3. Giles T et.al.: A Comparison of Lisinopril and Captopril in Congestive Heart Failure. Circulation 74(Part II), 1986. Presented at the American Heart association 59th Annual Scientific Session, 1986.
4. Raffanti S, Chiaramida A, Sen P, Wright P, Middleton J, Chiaramida SA: Assessment of Cardiac Function in Patients with the Acquired Immunodeficiency Syndrome. Presented at American College of Physicians 69th Annual Scientific Session, March 1988.
5. Futterman N, Zervos G, Inva- Vazhvu M, Gupta V, Levine R, Hodder R, Chiaramida SA: Near Misses in Thrombolytic Therapy: The Need for Timely Delivery. Clinical Research 38:793A, 1990.
6. Reddy B, Caron C, Kulkarni A, Lucariello R, Chiaramida SA: Assessment of Diastolic Function by Doppler Echocardiography in Patients in Patients with Acquired Immunodeficiency Syndrome. Clinical Research 39:404A, 1991
7. Caron C, Sun Y, Lucariello R, Chiaramida SA: MacHeart: Computer Assisted Instruction in Patients in Cardiology. Clinical Research 39:404A, 1991.
8. Mannini M, Reddy B, Lucariello R, Sun Y, and Chiaramida SA: Diastolic Function in Sarcoidosis as Assessed by Doppler Echocardiography. Clinical Research 40:672A, 1992
9. Rajapuram G, Lucariello R, Sun Y, Chiaramida SA: Signal Average Electrocardiogram in Patients with Sarcoidosis. Clinical Research 40:672A, 1992.
10. Chiaramida SA, Sun Y, Caron C, Lucariello R: Software That Produces Families of Starling Curves in Assistance to Cardiac Patient Management. Journal of the American College of Cardiology 21(2):17A, 1993. Presented at the American College of Cardiology 42nd Annual Scientific Session, March 1993.
11. Sun Y, Lucariello R, Chiaramida S: Mathematical Basis for Left Ventricular Pressure Volume Loops. Presented at the IXth Nordic Meeting on Medical and

Chiaramida

Biological Engineering, Lund, Sweden, June 1993.

12. Mannini M, Lucariello R, Chiaramida SA: Comparison Between Parasternal and Apical View for Ejection Fraction Measurements by Acoustic Quantification. Clinical Research 41:62A, 1993.
13. Sun Y, Lucariello R, Chiaramida SA: Edge- Preserved Smoothing: Application to Stenosis Quantification in Digital Coronary Arteriograms. Presented at the Far West Image Perception Conference, October 1993.
14. Mannini M, Lucariello R, Sun Y, Chiaramida SA: Inter- Beat and Inter-View Variability in Acoustic Quantification of Ejection Fraction by Automated Border Detection. Journal of Clinical Research 42:322A, 1994. Presented at the Clinical Research Meeting, April 1994.
15. Sun Y, Beshara M, Lucariello R, Chiaramida SA: Computer Model for the Hemodynamic Coupling Between the Right Heart and the Left Heart. Journal of the American College of Cardiology 23:333A, 1994. Presented at the American College of Cardiology 43rd Annual Scientific Session, Orlando Florida, March 1994.
16. Sun Y, Beshara M, Lucariello R, Chiaramida SA: Computer Model that Characterizes Pressure- Volume Loops. Journal of the American College of Cardiology 27:247A, 1996. Presented at the American College of Cardiology 45th Annual Scientific Session, Orlando, Florida, March 1996.
17. Sun Y, Beshara M, Lucariello R, Chiaramida S: Computer Model that Characterizes Hemodynamics During Cardiac Tamponade and the Valsalva Maneuver: Journal of the American College of Cardiology 27:27A, 1996. Presented at the American College of Cardiology 45th Annual Scientific Session, Orlando, Florida, March 1996.
18. Roach A, Sun Y, Lucariello R, Chiaramida SA: Model- Based Evaluation of Left Atrial Function in Terms of Stroke Volume Ratio, Atrial Filling Fraction, Pressure Gradient Integral Ratio and AV Loop Ratio. Presented at the 12th International Conference of the Cardiovascular System Dynamics Society, Chapel Hill, North Carolina, November 1996
19. Sun Y, Lucariello R, Chiaramida SA: Hemodynamic Interaction Between the Right Heart and Left Heart Characterized by a Computer Model: Presented at the 12th International Conference of the Cardiovascular System Dynamics Society, Chapel Hill, North Carolina, November 1996.
20. Sun Y, Lucariello R, Chiaramida SA: Effects of Transseptal Pressure Coupling on Hemodynamics: A Model Based Study. Presented at the 12th Annual

Chiaramida

International Conference of the Cardiovascular System Dynamics Society, Chapel Hill, North Carolina, November 1996.

21. Sun Y, Gobikrishnan A, Hadid A, Lucariello R, Chiaramida SA: Software for Receiver Operating Characteristics (ROC) Analysis and Evaluation of Sensitivity and Specificity. Journal of the American College of Cardiology 27:335A, 1997. Presented at the American College of Cardiology 46th Annual Scientific Session, Anaheim, California, March 1997.
22. Sun Y, Kim S, Hadid A, Lucariello R, Weiss M, Chiaramida SA: Identification of Circulatory Parameters by use of a Computer Model Coupled with a Non-Linear Optimization Algorithm. Journal of the American College of Cardiology 33:9A, 1999. Presented at the American College of Cardiology 48th Annual Scientific Session, New Orleans, Louisiana, March 1999.
23. Sun Y, Younhee K, Lucariello, R, Chiaramida, SA: System Identification for a Complex Nonlinear Model of the Cardiovascular System, Presented at the IEEE 26th Annual Northeast Bioengineering Conference, Storrs, CT, April 8-9, 2000.
24. Unnikrishnan D, Dutcher JP, Varshneya N, Choragudi N, Api M, Garl S, Wiernik P, Chiaramida SA: Torsades de Pointes in Two Patients on Treatment with Arsenic Trioxide. Experimental Hematology 28(Supplement 1): 44, 2000. Presented at the 29th Annual Meeting of the International Society for Experimental Hematology, Tampa, Florida, July 2000.
25. Unnikrishnan D, Dutcher JP, Varshneya N, Lucariello R, Api M, Garl S, Wiernik P, Chiaramida SA: Torsades de Pointes in Three Leukemia Patients Treated with Arsenic Trioxide. Journal of the American College of Cardiology 37(Supplement A):87A, 2001. Presented at the 50th Annual Scientific Session of the American College of Cardiology, Orlando, Florida, March 2001.
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