

December 2007

CURRICULUM VITAE

**MAHFOUZ EL SHAHAWY, M.D., M.S., F.E.S.C., F.C.C.P., F.A.C.P., F.A.C.C.P., F.A.C.C., F.A.H.A.
CLINICAL PROFESSOR OF MEDICINE UNIVERSITY OF FLORIDA AND SOUTH FLORIDIA**

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DATE AND PLACE OF BIRTH: August 1, 1936, Cairo, Egypt
CITIZENSHIP: United States of America
MARITAL STATUS: Married
CHILDREN: One son and one daughter
MEDICAL EDUCATION: University of Vienna, Vienna, Austria
M.D. Under the Auspiciis of the Austrian President
"Summa Cum Laude". June 28, 1962

POST-GRADUATE MEDICAL EDUCATION:

May 1962-1967 Elective Residency Training in Medicine and Cardiology
(Algemeines Krankenhaus)
University of Vienna; Vienna, Austria
July 1967-1968 Rotating Intern
Flushing Hospital and Medical Center; New York, NY
July 1968-1970 Fellow in Medicine
Mayo Clinic; Rochester, MN
July 1970-1971 Research Fellow Medicine/Cardiovascular Diseases
Mayo Clinic; Rochester, MN
July 1971 to June 1973 Fellow/Teaching Fellow and Instructor in Cardiology
Medical College of Georgia; Augusta, GA

HONORS:

- M.D., Summa Cum Laude, Under the Auspiciis of the Austrian President "Sub Auspiciis Presidentis"
- Ring of Honor from the Austrian President
- Achievement Award from the Egyptian President
- U.A.R. Scholarship for Post-Graduate Training at the Vienna Academy of Medicine, Austria
- Award "Best Intern" from Flushing Hospital and Medical Center Alumni, New York
- Nomination for the Distinguished Mayo Clinic Alumnus Award for 1998
- Elected Life Member in "The Mayo Doctors Society" 1998
- Member Who's Who In Executives and Businesses
- Member of the International Organizing Committee for the Golden Jubilee Congress of the Egyptian Society of Cardiology, February 19-23, 2001

Honors: Cont...

- City of Sarasota Proclamation August 2001
- Who's Who in Medicine and Healthcare 4th Edition Marquis Who's Who 2002-2003
- Nomination for Physician of the Year by the National Republican Congressional Committee Physician Advisory Board 2002
- National Leadership Award by The National Republican Congressional Committee as: Honorary Co-chairman of the Physician's Advisory Board in Florida Nov. 2002
- Nomination for Physician of the Year at Doctors Hospital of Sarasota Apr. 2003
- Distinguished Physician of the Florida Medical Association "A Physician Who Care" Aug. 2004
- Chairman AHA Heart Ball Sarasota-Manatee Feb. 2005
- City of Sarasota Mayor Citation and Proclamation for Community Service for the last 30 years Feb. 2006
- Selected as one of the America's Top Physicians for 2006 by the Consumer Research Council of America 2006
- City of Sarasota Mayor Citation July 2006
- Recognition Award for Dr. El Shahawy for his directorship for the cardiac annual symposium for 20 years. Presented at the conclusion of the 20th annual symposium by the faculty and attendee in Agra India on..... November 2nd 2007
- Life Membership Award in the Sarasota County Medical Society, Sarasota Florida Nov 2007

SPECIALTY CERTIFICATIONS AND POST-GRADUATE DEGREES:

- Certified by the American Board of Cardiovascular Diseases #034604 1981
- Certified by the American Board of Internal Medicine #034604 1977
- Certified by the Canadian Board of Internal Medicine (written) 1975
- Master of Science, Medicine/Cardiovascular Diseases; University of Minnesota Mayo Clinic, Rochester, MN 1971
- Diploma of Medicine/Cardiovascular Diseases; University of Vienna, Austria 1966
- Diploma of Medicine; University of Vienna, Austria 1962

STATE BOARD CERTIFICATIONS AND LICENSES:

- E.C.F.M.G. (#63359) 1966
- Florida State Board of Medical Examiners (#20619) 1973
- Georgia State Board of Medical Examiners (# 15621) 1973
- "FLEX" (with reciprocity in 49 states) 1973

OTHER CERTIFICATION(S):

- Certification by the Florida Medical Association for "Instructional Program on Accreditation for Continuing Medical Education" 1999 and 2000
- Basic and Advanced Cardiac Life Support by the American Heart Association May 2007
- Instructor for AHA BLS and ACLS courses Oct 2007

ACADEMIC APPOINTMENTS:

<u>Feb. 2007-Present</u>	<u>Clinical Professor of Medicine; University of South Florida</u>
Aug. 1997-Present	Clinical Professor of Medicine; University of Florida
1995-1997	Associate Clinical Professor of Medicine; University of Florida
1976-1995	Assistant Clinical Professor of Medicine; University of Florida
1976-1978	Assistant Clinical Professor of Medicine end Cardiology; University of South Florida
1973-1975	Assistant Professor of Medicine end Cardiology; University of Florida
1973-1973	Teaching Fellow end Instructor in Cardiology; Medical College of Georgia

PROFESSIONAL SOCIETIES MEMBERSHIP:

(Past and Present)

- Fellow American College of Cardiology (FACC)
- Fellow, American College of Physicians (FACP)
- Fellow, European Society of Cardiology (FESC)
- Fellow, American Heart Association (FAHA)
- Fellow, American College of Chest Physicians (FACCP)
- Fellow, American Heart Association "Council on Clinical Cardiology"
- Fellow, American Society of Echocardiography
- American Medical Association
- Sarasota County Medical Society
- Florida Medical Association
- Mayo Alumni Association
- The New York Academy of Sciences
- Member, council on Critical Care, American College of Chest Physicians
- Life Member of the American Medical Society of Vienna Austria
- Member, International Society for Holter & Non-invasive Electrocardiography (ISHNE)
- Honorary Member, Egyptian Society of Hypertension
- Life Member of "The Doctors Mayo Society"
- Member of the American Heart Association Counsel for High Blood Pressure Research
- Member of the American Society of Hypertension in Black (ISHIB)
- Charter Member of the Plummer Society, Mayo Clinic Rochester, MN
- Council for High Blood Pressure Research American Heart Association
- Society of Cardiovascular Computed Tomography

MEMBERSHIP OF PEER REVIEW JOURNALS:

- Member of the International Advisory Board of The Egyptian Heart Journal
- Member of the Clinical Geriatrics Advisory Board

POSITIONS HELD:

2007-present	Medical director for American Heart Association BLS/ACLS Course at SMH
2007..Present	oard Member Institutional Review Board [IRB][Sarasota Memorial Hospital
1980-Present	Chairman, Medical Education Committee; Doctors Hospital, Sarasota, FL
1995-Present	President, Cardiovascular Center of Sarasota; Foundation for Medical Education and Research
1995-2000	Medical Director, Cardiac Catheterization Lab; Doctors Hospital, Sarasota, FL

1989-1995 President, Cardiovascular Institute of Sarasota

1990-1992 Elected Member, Board of Trustees; Sarasota County Public Hospital Board

1991-1992 Chairman, Long Term Investment Committee; Sarasota County Public Hospital Board

1988-1989 Chairman, Board of Trustees; Doctors Hospital, Sarasota, FL

1987-1988 Vice-Chairman, Board of Trustees; Doctors Hospital, Sarasota, FL

1986-1990 Member, Board of Trustees Doctors Hospital, Sarasota, FL

1980-1983, 1987-1988 Chairman, Cardiac Committee; Doctors Hospital, Sarasota, FL

1980-1981 Chief of Medicine; Doctors Hospital, Sarasota, FL

1981-1986 Member, Executive Committee of the Medical Staff; Doctors Hospital, Sarasota, FL

1973-1974 Director, Adult Cardiac Cath Lab; Shands Teaching Hospital; University of Florida

1973-1974 Director, Heart Station; Shands Teaching Hospital; University of Florida

1974-1975 Director, Coronary Care Unit; Shands Teaching Hospital; University of Florida

HOSPITAL AFFILIATIONS:

1975-Present Doctors Hospital; Sarasota, FL

2004-Present Sarasota Memorial Hospital; Sarasota, FL

2004- Present Lake Wood Ranch Medical Center- Bradenton, FL

1986-Present Rehab Institute of Sarasota, Health South; Sarasota, FL

1975-1983 Sarasota Memorial Hospital; Sarasota, FL

1973-1975 Shands Teaching Hospital; Gainesville, FL

1971-1973 Talmadge Teaching Hospital; Medical College of Georgia

1968-1971 Methodist Hospital-Mayo Clinic; Rochester, MN

1968-1971 St. Mary's Hospital-Mayo Clinic; Rochester, MN

1967-1968 Flushing Teaching Hospital Medical Center; New York, NY

1962-1967 Vienna General Hospital (Algemeines Krankenhaus); University of Vienna-Austria

COMMITTEE MEMBERSHIPS:

2007-Present Member of the Credentials Committee, Doctors Hospital, Sarasota, FL

2005- Present Member Continuing Education SMH

2005-Present Member of the Pharmacy and Therapeutic Committee SMH

2005-Present Member of the Pharmacy and Therapeutic Committee Doctors Hospital of Sarasota

2003 – Present Heart Failure Council – ISHIB

1998-Present Appointed Member by the President of the Florida Medical Association to “Committee on Accreditation for Continuing Medical Education” for the State of Florida.

1997-Present Member of the Continue Education Committee of the American College of Cardiology-Florida Chapter

1980-Present Chairman, Continuing Medical Education; Doctors Hospital; Sarasota, FL

1999-Present Member Continuing medical Education of ABC, (American Black Cardiologists)

1990-Present Member of CME Committee Sarasota County Medical Society

1995-1998 Member, Medical Staff Credentials Committee; Doctors Hospital; Sarasota, FL

1994-2000 Member, Institutional Review Board (I.R.B.); Doctors Hospital; Sarasota, FL

1994-1998 Member, Pharmaceutical and Therapeutics Committee; Doctors Hospital; Sarasota, FL

1992-Present Member, Radiation Safety Committee; Doctors Hospital; Sarasota, FL

1994-2000 Chairman, Cardiology Advisory Council; Doctors Hospital; Sarasota, FL

1980-2000 Chairman, Electrocardiography Reading Panel; Doctors Hospital; Sarasota, FL

1992-Present Member, Educational Committee; Sarasota County Medical Society; Sarasota, FL

1990-1992 Member, Institutional Review Board; Sarasota Memorial Hospital; Sarasota, FL

1988-1989 Member, Executive Committee; Rehab. Institute; Sarasota, FL

1980-1982 Member, Utilization Committee; Doctors Hospital; Sarasota, FL

1975-1983 Member, Cardiac Committee; Sarasota Memorial Hospital; Sarasota, FL

1978-1981 Member, Code C Committee; Sarasota Memorial Hospital; Sarasota, FL

1978-1984 Member, Advisory Committee on Cardiac Reconditioning Program; YMCA; Sarasota, FL

1980-1983, 1988-1990 Member, Medical Privileges Committee; Doctors Hospital; Sarasota, FL

1977-1983 Member, Medical Advisory Committee; Sarasota Memorial Hospital Foundation; Sarasota, FL

1976-1984 Member, Cardiac Intensive Care; Doctors Hospital; Sarasota, FL

1984-1987 Member, Credentials Committee; Doctors Hospital; Sarasota, FL

Member, Bylaws Committee; Doctors Hospital; Sarasota, FL

RESEARCH POSITIONS:

- 1970-1971 Research Fellow, Department of Medicine and Physiology; Mayo Clinic; Rochester, MN
- 1972-1973 Instructor, Division of Cardiology and Hypertension; Medical College of Georgia
- 1973-Present Principal Investigator for Several Clinical Research Protocols Phase II, III, IV as Listed Below.

AREAS OF RESEARCH INTERESTS:

(Publications pages six to thirteen)

Research Interests Include Clinical Trials, Cardiovascular Pharmacology, Disease Management And Clinical Outcomes Served As Principal Investigator In Many National And International Trials Including:

Merit, Convince, Bravo, Valiant, Affirm, Invest, Enable, Sportif V, etc.

Topics of Past and Current Research Interests Include:

- Diabetic Heart Disease
- Dysmetabolic Cardiac Syndrome
- Acute and Chronic Coronary Syndromes
- Heart Failure
- Hypertension
- Atrial Fibrillation and Stroke Prevention
- Echocardiography/Doppler
- Cardiac Hemodynamics-Catheterization
- Thyrocardiac Disorders
- HIS Bundle Electrophysiology
- Cardiomyopathies with particular reference to the role of electrolytes and trace metals, such as magnesium and potassium
- Renin-Angiotensin-Aldosterone System
- Peripheral Arterial Disease

Current Clinical Cardiovascular Research include use of newer drugs in the treatment of: CAD, CHF, Arrhythmias, Hypertension, Diabetic Heart Disease, Peripheral Arterial Disease and Renal Disease

PUBLICATIONS:

Thesis: Master of Science in Medicine and Cardiovascular Diseases, University of Minnesota, Mayo Clinic, 1971: **"The Role of Magnesium Deficiency in Thyrocardiac Disorders"**

Papers Published:

1. **M. El Shahawy, M.D.**, and N.C. Flowers, M.D.; "Unexplained Fever and Chills Associated with Myocardial Infarction"; Chest Volume 62, No. 3: 263-265.
2. **M. El Shahawy, MD.**, R.D. Smith, 1973, D.A. Scholz, and K.G. Wakim; "Magnesium Deficiency and the Hyperthyroid Heart"; Published in the Communication of the First International Symposium on Magnesium in Human Pathology, Pages 485-489, 1973 (Imp.-Amelot, France).
3. M.A. Stefadourous, M.D., W. Grossman, M.D., **M. El Shahawy, M.D.**, and A.C. Witham, M.D.; "The Effect of Isometric Exercise on Left Ventricular Volume in Man"; Circulation V, XLIX: 1185-1189, June 1974.

4. **M. El Shahawy, M.D.**, and L. Crevasse, M.D.; "Echocardiography"; Journal of Florida Medical Association, Vol. 61: 699-702, 1974.
5. M.A. Stefadouros, M.D., W. Grossman, M.D., **M. El Shahawy, M.D.**, F. Stefadouros, and A. Calhoun Witham, M.D.; "Non-Invasive Study of the Effect of Isometric Exercise on Left Ventricular Performance in Normal Man"; British Heart Journal, Vol. 36: 988-995, 1974.
6. **M. El Shahawy, M.D.**, N.A. Stefadouros, M.D., A.A. Carr, and C.R. Conti, M.D.; "Direct Effect of Thyroid Hormone on Intracardiac Conduction in Acute Chronic Studies"; Cardiovascular Research Journal, 9-524-531, 1975.
7. **M. El Shahawy, M.D.**, R. Graybeal, M.D., C.J. Pepine, M.D., and C.R. Conti, M.D.; "Aortic Valve Prolapse-Diagnosis by Echocardiography"; Chest, March 1976.
8. M.A. Stefadouros, M.D., **M. El Shahawy, M.D.**, F. Stefadouros, B.S., and A.C. Witham, M.D.; "The Effect of Upright Tilt on the Volume of the Failing Human Left Ventricle"; American Heart Journal, December 1975.
9. M.A. Stefadouros, M.D., **M. El Shahawy, MD.**, and A. Calhoun Witham, M.D.; "Soschin in Georgia: A Case of Acute Fulminant Cardiac Beri-Beri."; J. Medical Association Georgia; 56: 149, 1976.
10. **M. El Shahawy, M.D.**, R.M. Tucker, H.W. Warner, R.E. Smith; "Hyperthyroidism and Potassium" (Letter to the Editor); J.A.M.A.; 217: 969.
11. John O. Parker, M.D., et. al.... **M. El Shahawy, MD.**, (Minitran Clinical Study Center); "Intermittent Transdermal Nitroglycerin Therapy in Angina Pectoris"; Circulation, Vol. 91, No. 5, Pages 1368-1374, March 1995.
12. Henry R. Black, M.D., et al.... **M. El Shahawy, M.D.**, "Rationale and Design for the Controlled ONset Varapamil INvestigation of Cardiovascular Endpoints (CONVINCE) Trial"; Controlled Clinical Trials 19:370-390 (1998).
13. Roger M. Mills, M.D., et al.... **M. El Shahawy, M.D.**, "Sustained Hemodynamic Effects of n Infusion of Nesiritide (Human b-Type Natriuretic Peptide) in Heart Failure", A randomized, Double-Blind, Placebo-Controlled Clinical Trial, Journal of the American College of Cardiology, Vol. 34, No. 1, 1999, ISSN 0735-1097/99.
14. **M. El Shahawy, M.D.**, "The Effect of Magnesium Deficiency on the Cardiovascular System", Physiology, The Clinic Bulletin, Vol. 49, No. 7, February 12, 1971.
15. **M. El Shahawy, M.D.**, et al..... "Selected Observations Hyperthyroid, Magnesium-Deficient Dogs, The Clinic Bulletin, Vol. 49, No. 16, April 16, 1971.
16. Bjorn Fagerber, M.D., et al.... **M. El Shahawy, M.D.**, "Effect of Metoprolol CR/XL in Chronic Heart Failure: Metoprolol CR/XL Randomized Intervention Trial In Congestive Heart Failure (MERIT-HF), The Lancet, Saturday 12, June 1999, Vol. 353, No. 9169.
17. Barry M. Brenner, et al.....**M. El Shahawy, M.D.** "The losartan renal protection study – rationale, study design and baseline characteristics of RENAAL (Reduction of Endpoints in NIDDM with the Angiotensin II Antagonist Losartan) Journal of the Renin Angiotensin Aldosterone System Vol. 1, No. 4 December 2000.(Pages 328-335)
18. "AFFIRM" investigators, et al...**M.El Shahawy, MD** " A comparison of Rate Control and Rhythm Control in Patients with Atrial Fibrillation" New England Journal of Medicine, Vol.347, no23,Dec.5,2002

19. Efficacy and Safety of Darusentan in Patients With Resistant Hypertension: Results From a Randomized, Double-Blind, Placebo-Controlled Dose-Ranging Study. Henry R Black , George L Bakris , Michael A Weber , Robert Weiss , **Mahfouz El Shahawy** , Richard Marple , Georges Tannoury , Stuart Linas , Brian L Wiens , Jennifer V Linseman , Robert Roden , Michael J Gerber. J Clin Hypertens (Greenwich). 2007 Oct ;9 (10):760-769 17917503.

Papers Presented Before National and International Meetings:

1. M. El Shahawy, M.D.; "The Effect of Magnesium Deficiency on the Cardiovascular System", seminar presented at the Physiology Department, Mayo Clinic, Rochester, MN, Mayo Clinic Bulletin, February 12, 1971, No. 7, Vol. 49.
2. M. El Shahawy, et. al.; "Selected Observations on Hyperthyroid, Magnesium-Deficient Dogs", presented at the Research Club, Mayo Clinic, Rochester, MN, Mayo Clinic Bulletin, April 23, 1971. ...
3. M. El Shahawy, et. al.; "Magnesium Deficiency and the Hyperthyroid Heart" presented at the First International Symposium on Magnesium Deficiency in the Human Pathology in Vittel, France; May 9-19, 1971.
4. M. El Shahawy, et. al.; "Cardiovascular Effects of Magnesium Deficiency and thyroxin Administration" presented at the Annual Meeting of A.C.C.P. on October 26, 1971.
5. M. El Shahawy, et. al.; "Increased Plasma Renin Activity and Secondary Aldosteronism in Hyperthyroidism: Augmentation by Magnesium Deficiency" presented at the Annual Meeting of the AHA in Anaheim, California on November 16, 1971.
6. M. El Shahawy, et. al.; "The Effect of Thyroid Hormone on Intracardiac Conduction with and without Propranolol" presented at the American Heart Association 45th Scientific Sessions, November 16-19, 1972, in Dallas, Texas.
7. Albert A. Carr, M. El Shahawy, et. al.; "The Effect of Thyroid Hormone and B-Blockade on Renin Release in Hyperthyroid Dogs" presented at the American Heart Association 45th Scientific Sessions, November 16-19, 1972, in Dallas, Texas.
8. M. Stefadouros, M. El Shahawy, et. al.; "Non-Invasive Study of the Effect of Isometric Exercise on the Size and Performance of the Normal Heart" presented at the American Heart Association 46th Scientific Sessions, November 1973, in Atlantic City, New Jersey.
9. M. El Shahawy, et. al.; "Thyroid Hormones and the Prevention of Heart Block" presented at the First Annual Research Symposium of the Florida Heart Association on January 19, 1974 in Tampa, Florida.
10. M. El Shahawy, et. al.; "Basic Principals of Echocardiography and Instrumentation", presented at the Non-Invasive Cardiovascular Evaluation 1974, January 24, 1974, University of Florida, Gainesville, Florida
11. M. El Shahawy, M.D., F.A.C.C.; "Demonstration of Echocardiographic Exam", presented at the Non-Invasive Cardiovascular Evaluation 1974, January 24, 1974, University of Florida, Gainesville, Florida
12. M. El Shahawy, M.D., F.A.C.C.; "Echocardiography in the Diagnosis of Valvular Heart Disease", presented at the Non-Invasive Cardiovascular Evaluation 1974, January 25, 1974, University of Florida, Gainesville, Florida

13. I Shahawy, M.D., F.A.C.C.; "Hypertrophic Obstructive Cardiomyopathy: Management with Beta Blocker, Calcium Channel Blocker, or Surgery?" presented at the 5th Annual, First International Cardiovascular Symposium, jointly sponsored by the University of Florida and the Cardiovascular Institute of Sarasota, held in Cairo Egypt, November 20-29, 1992.
14. M. El Shahawy, M.D., F.A.C.C.; "Hypertrophic Cardiomyopathy: Management with Beta Adrenergic Blockers, Calcium Channel Blockers, DDD Permanent Pacing, or Surgery?" presented at the 40th Anniversary Meeting of the American Medical Society of Vienna on March 26, 1993 in Vienna, Austria.
15. M. El Shahawy, M.D., F.A.C.C.; "Mitral Valve Prolapse-What is New?" presented at the 7th Annual, 3rd International Cardiovascular Symposium, jointly sponsored by the University of Florida and the Cardiovascular Institute of Sarasota, held in Athens, Greece and Istanbul, Turkey, October 1-11, 1993.
16. M. El Shahawy, M.D., F.A.C.C.; "Cardiomyopathies-Newer Insights" presented at the 7th Annual, 3rd International Cardiovascular Symposium, jointly sponsored by the University of Florida, University of Vienna (Austria) and the Cardiovascular Institute of Sarasota, held in Vienna, Austria, September 15-27, 1994....
17. M. El Shahawy, M.D., F.A.C.C.; "Recent Advances in the Treatment of Hypertrophic Cardiomyopathy" "I.H.S.S", presented at the 8th Annual, 4th International Cardiovascular Symposium, jointly sponsored by the Cardiovascular Institute of Sarasota and the University of Florida, held in Rome, Italy and Barcelona, Spain, September 26-October 9, 1995.
18. M. El Shahawy, M.D., F.A.C.C.; "Hypertrophic Cardiomyopathy-Newer Treatment Modalities" presented at the 27th Annual Scientific Symposium of the Hungarian Medical Association of America, October 22-27, 1995 in Sarasota, FL.
19. M. El Shahawy, M.D., F.A.C.C.; "Prevention of Stroke in Atrial Fibrillation" presented at the XXIII Congress of the Egyptian Society of Cardiology, February 28-March 2, 1996 in Luxor, Egypt.
20. M. El Shahawy, M.D., F.A.C.C.; "Cardiovascular Complications of Diabetes Mellitus" presented at the Annual Meeting of Diabetic: Nurses, May 15-19, 1996 in Longboat Key, FL
21. M. El Shahawy, M.D., F.A.C.C.; "Cardio embolic Stroke Prevention" presented at the 9th Annual, 5th International Cardiovascular Symposium, jointly sponsored by the Cardiovascular Institute of Sarasota Foundation, Doctors Hospital of Sarasota, and the Cardiovascular Division of the University of Florida, held in London, England, Scandinavia, and St. Petersburg, Russia, August 20-September 4, 1996.
22. M. El Shahawy, M.D., F.A.C.C.; "Atrial Fibrillation: New Standard of Care" presented at the 28th Annual Scientific Symposium of the Hungarian Medical Association of America, Inc., October 27-November 1, 1996 in Sarasota, FL.
23. M. El Shahawy, M.D., F.A.C.C.; "Atrial Fibrillation: Review of Multi-Center Anticoagulation Studies" presented at the First International Symposium on Cardiac Arrhythmia on February 23, 1997 in Cairo, Egypt, jointly sponsored by the Egyptian Society of Cardiology and the North American Society of Pacing and Electrophysiology (NASPE).
24. M. El Shahawy, M.D., F.A.C.C.; "Cardio embolic Stroke" presented at the Egyptian Society of Cardiology 24th Annual Meeting in Cairo, Egypt, February 24-28, 1997.
25. M. El Shahawy, M.D., F.A.C.C.; "Updates on Calcium Channel Blockers (1997) for the Treatment of Hypertension and Angina Pectoris" presented to Pinehurst Medical Group, Pinehurst, North Carolina, September 16, 1997, Pinehurst Country Club and Resorts.

26. M. El Shahawy, M.D., M.S., F.E.S.C., F.A.C.C.; "Selective T-Channel Blockade for the Treatment of Hypertension and Angina Pectoris in 1997 (A New Cardiovascular Era)" presented at the 10th Annual, International Cardiovascular Symposium sponsored by the Cardiovascular Institute of Sarasota Foundation, Doctors Hospital of Sarasota, and the Cardiovascular Division of the University of Florida, held in Paris, France and Cape Town, South Africa, November 21-December 4, 1997.
27. M. El Shahawy, M.D., M.S., F.E.S.C., F.A.C.C.; "Diabetic Cardiomyopathy" presented at the 10th Annual, 6th International Cardiovascular Symposium sponsored by the Cardiovascular Institute of Sarasota Foundation, Doctors Hospital of Sarasota, and the Cardiovascular Division of the University of Florida, held in Paris, France and Cape Town, South Africa, November 21-December 4, 1997.
28. M. El Shahawy, M.D., M.S., F.E.S.C., F.A.C.C.; "Atrial Fibrillation: Multicenter Trials-Have the Mega trials Answered all the Questions?" presented at the 25th Anniversary Egyptian society of Cardiology on February 22-27, 1998 in Cairo, Egypt....
29. M. El Shahawy, M.D., M.S., F.E.S.C., F.A.C.C.; "Heart Failure Current and future Treatment" presented at the 25th Anniversary Egyptian Society of Cardiology on February 22-27, 1998 in Cairo, Egypt.
30. M. El Shahawy, M.D., M.S., F.E.S.C., F.A.C.C.; "Update on Calcium Channel Blockers for the Treatment of Hypertension and Angina Pectoris" presented at the International Symposium on Heart Disease, "From Molecules to Patient Care", sponsored by the International Society and Federation of Cardiology and the International Academy of Cardiovascular Sciences, May 19-21, 1998 in Cairo, Egypt.
31. M. El Shahawy, M.D., M.S., F.E.S.C., F.A.C.C.; "Diabetic Heart Disease, Update 1998" presented at the 11th Annual, 7th International Cardiovascular Symposium on October 12, 1998 in China.
32. M. El Shahawy, M.D., M.S., F.E.S.C., F.A.C.C.; "Recent Advances & Strategies for Hypertension Control" presented at the 11th Annual, 7th International Cardiovascular Symposium, jointly sponsored by the Cardiovascular Institute of Sarasota Foundation, Doctors Hospital of Sarasota, and the Cardiovascular Division of the University of Florida, on October 17, 1998 in China.
33. M. El Shahawy, M.D., M.S., F.E.S.C., F.A.C.C.; "A, B, C, D, Treatment of Heart Failure" presented at the 26th Annual Meeting of the Egyptian Society of Cardiology in Cairo-Egypt, February 14 - 19, 1999
34. M. El Shahawy, M.D., M.S., F.E.S.C., F.A.C.C.; "Diabetic Heart Disease Update 1999" presented at The 12th Annual 8th International Cardiovascular Symposium in South America from Santiago, Chile to Buenos Aires, Argentina, November 19 - December 7, 1999
35. M. El Shahawy, M.D., M.S., F.E.S.C., F.A.C.C.; "Hypertension Update JNC VI" presented at The 12th Annual 8th International Cardiovascular Symposium in South America from Santiago, Chile to Buenos Aires, Argentina, November 19 - December 7, 1999
36. M. El Shahawy, M.D., M.S., F.E.S.C., F.A.C.C.; "Atrial Fibrillation and Stroke Prevention In Diabetic Patients, presented at the 31st Annual Scientific Symposium Hungarian Medical Association of America October 24 - 29, 1999, Sarasota, Florida
37. M. El Shahawy, M.D., M.S., F.E.S.C., F.A.C.C.; "Diabetic Heart Disease Update 2000" presented at the 27th Annual Congress of The Egyptian Society of Cardiology, February 21st - 25th, 2000, Cairo, Egypt
38. M. El Shahawy, M.D., M.S., F.E.S.C., F.A.C.C.; Lecture Of The Year: "Hypertension Update JNC (VI) Current Management" presented at the 27th Annual Congress of The Egyptian Society of Cardiology, February 21st - 25th, 2000, Cairo, Egypt

39. M. El Shahawy, M.D., M.S., F.E.S.C., F.A.C.C.; "Stroke Prevention in Atrial Fibrillation" presented at the 27th Annual Congress of The Egyptian Society of Cardiology, February 21st – 25th, 2000, Cairo, Egypt
39. M. El Shahawy, M.D., M.S., F.E.S.C., F.A.C.C.; "Heart Failure Update: Current and Future Management", presented at the 13th Annual 9th International Cardiovascular Symposium, October 12th – 28th, 2000, Australia and New Zealand
41. M. El Shahawy, et. al.; "The Latest Information in the Diagnosis and Management of Hypertension" presented at the 13th Annual 9th International Cardiovascular Symposium, October 12th – 28th, 2000, Australia and New Zealand
42. M. El Shahawy, M.D., M.S., F.E.S.C., F.A.C.C.; "Stroke Prevention in Atrial Fibrillation: What Have We Learned from the Mega trials", presented at the 13th Annual 9th International Cardiovascular Symposium, October 12th – 28th, 2000, Australia and New Zealand...
43. M. El Shahawy, M.D., M.S., F.E.S.C., F.A.C.C.; "Atrial Fibrillation: Have The Mega Trials Answered All The Questions" presented at the 50th Golden Jubilee Congress of the Egyptian Society of Cardiology, February 19-23, 2001.
44. M. El Shahawy, M.D., M.S., F.E.S.C., F.A.C.C.; "Diabetic Heart Disease Update 2001" presented at the 50th Golden Jubilee Congress of the Egyptian Society of Cardiology, February 19-23, 2001.
45. M. El Shahawy, M.D., M.S., F.E.S.C., F.A.C.C.; "Diabetic Heart Disease: Current Medical Management", presented at the 14th Annual 10th International Cardiovascular Symposium, October 16th – 28th, 2001, Caribbean Island
46. M. El Shahawy, M.D., M.S., F.E.S.C., F.A.C.C.; "Current Management of Acute Heart Failure" presented at the 14th Annual 10th International Cardiovascular Symposium, October 16th – 28th, 2001, Caribbean Island
47. M. El Shahawy, M.D., M.S., F.E.S.C., F.A.C.C.; "Current Treatment of Acute Heart Failure", presented at the 29th International Conference of the Egyptian Society of Cardiology, February 4-8, 2002, Alexandria, Egypt
48. M. El Shahawy, M.D., M.S., F.E.S.C., F.A.C.C.; "New Treatment of High Risk Cardiovascular Patients "Hope and Micro Hope Trials", presented at the Nephrology and Hypertension Society of Puerto Rico Annual Meeting, February 23, 2002, San Juan, Puerto Rico
49. M. El Shahawy, M.D., M.S., F.E.S.C., F.A.C.C.; "Diabetes and Cardiovascular Disease", presented at the Family Physicians Academy of Puerto Rico, March 23, 2002- San Juan, Puerto Rico
50. M. El Shahawy, M.D., M.S., F.E.S.C., F.A.C.C.; "Aggressive Management of Cardiovascular Risk Factors", presented at the Florida Academy of Family Physicians Annual Meeting, Sponsored by Foundation for Better Health Care, April 19, 2002, Ft. Lauderdale, Florida
51. M. El Shahawy, M.D., M.S., F.E.S.C., F.A.C.C.; "Cardiovascular Risk Reduction in High Risk Patients with A.C.E.I.: Emphasis on Diabetics with the "H.O.P.E. and Micro H.O.P.E. to Redefine Therapy. Part I presented at the 15th Annual 11th International Cardiovascular Symposium, August 1st-15th, 2002, British Isles.
52. M. El Shahawy, M.D., M.S., F.E.S.C., F.A.C.C.; "Cardiovascular Risk Reduction in High Risk Patients with A.C.E.I.: Emphasis on Diabetics with the "H.O.P.E. and Micro H.O.P.E. to Redefine Therapy. Part II presented at the 15th Annual 11th International Cardiovascular Symposium, August 1st-15th, 2002, British Isles.

53. M. El Shahawy, M.D., M.S., F.E.S.C., F.A.C.C.: "Dysmetabolic Cardiac Syndrome" presented at the 4th Annual New Year Symposium of the Association of American Black Cardiologists "ABC", Western Caribbean, December 28, 2002- January 4, 2003
54. M. El Shahawy, M.D., M.S., F.E.S.C., F.A.C.C.: "Chronic Stable Angina Pectoris: Current Diagnosis and Management"- Panel Meeting – Sunday March 30, 2003 at the 52nd Annual Scientific Session American College of Cardiology, March 30 – April 2, 2003, Chicago, Illinois
55. M. El Shahawy, M.D., M.S., F.E.S.C., F.A.C.C.: "The Dysmetabolic Cardiac Syndrome" presented at the 16th Annual, 12th International Cardiovascular Symposium, October 24th –November 7, 2003, Spain and Portugal.
56. M. El Shahawy, M.D., M.S., F.E.S.C., F.A.C.C.: "Peripheral Arterial Disease in Diabetic: Current Diagnosis and Management" Presented at the 16th Annual, 12th International Cardiovascular Symposium, October 24th – November 7, 2003, Spain and Portugal.
57. M. El Shahawy, M.D., M.S., F.E.S.C., F.A.C.C.: "Dysmetabolic Syndrome" Presented at the 17th Annual, 13th International Cardiovascular Symposium, July 17th –July 29th , 2004, Austria, Slovenia and Italy.
58. M. El Shahawy, M.D., M.S., F.E.S.C., F.A.C.C.: "What is Metabolic Syndrome? How Does One Diagnose This? Local or Global?- Panel Meeting – Tuesday, March 9, 2004 at the 53rd Annual Scientific Session American College of Cardiology, March 7 – March 10, 2004, New Orleans, Louisiana
59. M. El Shahawy, M.D., M.S., F.E.S.C., F.A.C.C.: "Metabolic Syndrome Current Diagnosis and Management", Presented at the 18th Annual, 14th International Cardiovascular Symposium, Nov 29th to Dec. 12th, 2005, Republic of Seychells, Madagascar, Mauritius and Cape Town(South Africa).
60. M. El Shahawy, M.D., M.S., F.E.S.C., F.A.C.C.: "The Cardio Metabolic Syndrome: Current Diagnosis and Management 2006", Presented at the 19th Annual, 15th International Cardiovascular Symposium, October 13-25 2006, ITALY, EGYPT GREECE, And Turkey.

Abstracts and Letters to the Editor:

1. M. El Shahawy, et. al.; "Arrhythmias and the Varieties of Sleep" N.E.J.M. 282:815, April 2, 1970. (Letter to the Editor)
2. M. El Shahawy, et. al.; "Magnesium Deficiency and the Hyperthyroid Heart" Summaries of Communications of First International Symposium on Magnesium Deficiency in Human Pathology, page 79, May 1971.
3. M. El Shahawy, et. al.; "Hypertension and Potassium" J.A.M.A. 217:7, August 16, 1971, 969. (Letter to the Editor)
4. M. El Shahawy, et. al.; "Cardiovascular Effects of Magnesium Deficiency and Thyroxine Administration" Chest, Vol.60, September 1971, page 306. (Cecile Lehman Mayer Research)
5. M. El Shahawy, et. al.; "Increased Plasma Renin Activity and Secondary Aldosteronism in Hypothyroidism: Augmentation By Magnesium Deficiency" Circ. Res. Suppl. October 1971, page 129.
6. M. El Shahawy, et. al.; "Role of Magnesium in Myocardial Function" N.E.J.M. 286:217. (Letter to the Editor) 1972.

7. M. El Shahawy, et. al.; "Magnesium Deficiency Cardiomyopathy in Hyperthyroid Dogs" Clin. Res. Vol. XX, No.3, April 1972, page 39.
8. M. El Shahawy, et. al.; "Thyroxine, Magnesium, and Lipids" Clin. Res. Vol. XX, No. 3, April 1972, page 397.
9. M. El Shahawy, et. al.; "Effective Renin Activity in Plasma of Children with Kwashiorkor" Lancet, Vol. 1:1241, 1972.
10. M. El Shahawy, et. al.; "The Effect of Thyroid Hormone on Intracardiac Conduction with and without Propranolol" Circulation Research Supplement, October 1972, page 40.
11. Albert A. Carr, M. El Shahawy, et. al.; "The Effect of Thyroid Hormone and B-Blockade on Renin Release in Hyperthyroid Dogs" Circulation Research Supplement, October 1972, page 71.
12. M. El Shahawy, et. al.; "The Effect of Hyperkalemia on Intracardiac Conduction in Hyperthyroid Dogs" Clin. Res., January 1973, page 36.
13. M. El Shahawy, et. al.; "The Effect of Thyroid Hormone on Intracardiac Conduction in Acute and Chronic Studies" Clin. Res. Vol. XXI, No. 3, April 1973, page 416.
14. M. El Shahawy, et. al.; "Fine Structural Changes in Cardiac Muscle of Hyperthyroid Dogs" Clin. Res. Vol. XXI, No. 3, April 1973.
15. M. Stefadouros, M. El Shahawy, et. al.; "Non-Invasive Study of the Effect of Isometric Exercise on the Size and Performance of the Normal Heart" Circulation Supplement, October 1973, XLVIII, No. 4, page 48.
16. M. El Shahawy, et. al.; "Effect of Tilt on Left Ventricular Function in Man" Circulation Supplement, October 1973, XLVIII, No. 4, October 1973, page 160.
17. M. El Shahawy, et. al.; "L' Effet De L' Administration Acute De L' Hormone Thyroidizue sur la Transmission Intra-Cardiac" World Congress of Cardiology, September 1974, Abstract #569.
18. M. El Shahawy, et. al.; "Magnesium Deficiency and the Thyrotoxic Heart" World Congress of Cardiology Communications, Abstract #568.
19. M. El Shahawy, et. al.; "Effect of Acute Thyroid Hormone" Administration on Intracardiac Conduction. Supplement III, Circulation 49 & 50, October 1974, page 171.
20. M. El Shahawy, et. al., C.R. Conti; "Thyroid Hormone and the Prevention of Heart Block" Journal of Clinical Research, VXXIII, No. 5, BA.
21. M. El Shahawy, M.D., M.S., F.E.S.C., F.A.C.C., et al.; Darusentan Antihypertensive Effect in Patients with Resistant Hypertension- to be presented at the 55th Annual Scientific Session American College of Cardiology, March 12, 2006, Atlanta, GA

Participation as Principal Investigator in Clinical Cardiovascular Research Trials Involving Multi-National Centers as listed below:

1. **CFD 109701:** The incidence of orthostatic hypotension with the co-administration of CR formulation of Carvedilol in a fixed dose combination product with Lisinopril.

2. **CV185048:** Apixaban versus Acetylsalicylic acid to prevent stroke in atrial fibrillation patients who have failed or are unsuitable for vitamin K antagonist treatment, a randomized, double blind trial.
3. **DAIICHI_SANKYO:** A prospective, open label, single arm study to evaluate the safety and efficacy of an Olmesartan medoxomil based treatment regimen in elderly patients with hypertension.
4. **FOREST:** A prospective, randomized, open label, parallel group study to compare the tolerability of Nabivolol to other beta blockers in patients with stage I or II hypertension.
5. **TAKEDA:** A phase 3 randomized, double blind, placebo-controlled study to evaluate the efficacy and safety of TAK-491 in subjects with essential hypertension.
6. **DAR 312:** A phase 3 randomized, double blind, placebo, and active controlled, multi-center study to evaluate the safety and efficacy of Darusantan in subjects with resistant hypertension receiving combination therapy with three or more antihypertensive drugs including a diuretic as compared to Guanfacine or placebo.
7. **DAR 312-E:** A double blind, active controlled, long term safety extension study of optimized doses of Darusantan in subjects with resistant hypertension despite receiving combination therapy of three or more antihypertensive drugs including a diuretic as compared to Guanfacine.

8. **ABBOTT-** Protocol #MO5-748 A Multicenter, Randomized, Double-Blind, Prospective Study Comparing the Safety and Efficacy of Fenofibric Acid and Rosuvastatin Calcium Combination Therapy to Fenofibric Acid and Rosuvastatin Calcium Monotherapy in Subjects with Mixed Dyslipidemia(February 2006-Present)

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9. **AGELESS:** Novartis Pharmaceuticals trial entitled: "A 36 week randomized, double-blind, parallel-group, multicenter, active-controlled, optional titration study comparing an aliskiren-based regimen to a lisinopril-based regimen in patients ≥ 65 years old with systolic essential hypertension" Protocol Number: CSPP100A23449Jan.2006-present)

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10. **ATHENA-** Protocol #EFC 5555 - A Placebo-Controlled, Double-Blind, Parallel Arm Trial to Assess the Efficacy of Dronedaron 400mg bid for the Prevention of Cardiovascular Hospitalization or Death From Any Cause in Patients with Atrial Fibrillation/Atrial Flutter (AF/AFL)IND # 49,484(July 2005-Present)

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11. **COREG (CFD105453):** A Randomized, Double-Blind, Double-Dummy, Parallel Group, Factorial Design Trial to Assess the Efficacy and Safety of up to Six Weeks Treatment with 20mg, 40mg, or 80mg QD Doses of Carvedilol Controlled Release Formulation (COREG CR) or 10mg, 20mg, or 40mg QD Doses of Lisinopril (Zestril) or a Combination of One of the Doses of Each Medication(Aug.2006- Present)

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12. **DAR 311-DORADO-** Fixed Doses of Darusentan as Compared to Placebo in Resistant Hypertension: A Phase 3 Randomized, Double-Blind, Placebo-Controlled, Multi-Center, Parallel Group Study to Evaluate the Efficacy and Safety of Fixed Doses of Darusentan in Subjects with Resistant Systolic Hypertension Receiving Combination Therapy with Four or More Antihypertensive Drugs, Including a Diuretic (May 2006- Present)

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13. **DAR-311-E - DORADO-EX** - A Dose-Blinded, Long-Term Safety Extension Study to the Phase 3 DORADO Study (Protocol DAR-311) of Darusentan in Resistant Hypertension: A Dose-Blinded, Long-Term Safety Extension Study of Fixed Doses of Darusentan in Subjects with Resistant Systolic Hypertension Receiving Combination Therapy with Four or More Antihypertensive Drugs, Including a Diuretic(Sept. 2006- Present) Formatted: Bullets and Numbering
14. **FOCUS**- Protocol AGI-1067-051: Follow up Of Clinical Outcomes: The Long-term AGI-1 067 plus Usual Care Study(Aug. 2006-Present) Formatted: Bullets and Numbering
15. **PROTECT**: A multicenter, randomized, double-blind, placebo-controlled study of the effects of KW-3902 Injectable Emulsion on heart failure signs and symptoms and renal function in subjects with acute heart failure syndrome and renal impairment who are hospitalized for volume overload and require intravenous diuretic therapy. Protocol Number: CKI-301 (July 2006-June 2007) Formatted: Bullets and Numbering
16. **PROVIDENCE-1** -Prospective, Randomized, Double-Blind (Phase 3) Study of Rifaximin Treatment On the Number of Vascular Interventions and Peripheral Vascular Disease Endpoints in Chlamydia Pneumoniae Seropositive Patients Protocol #ABI-1648-022 Formatted: Bullets and Numbering
17. **RedHF**: A Double-blind, Randomized, Placebo-controlled, Multicenter Study to Assess the Efficacy and Safety of Darbeoetin alfa Treatment on Mortality and Morbidity in Heart Failure (HF) Subjects with Symptomatic Left Ventricular Systolic Dysfunction and Anemia Protocol Number: 20050222(March 2006-Present) Formatted: Bullets and Numbering
18. **RELY** - Randomized Evaluation of Long term anticoagulant therapy comparing the efficacy and safety of two blinded doses of dabigatran etexilate with open label warfarin for the prevention of stroke and systemic embolism in patients with non-valvular atrial fibrillation: prospective, multi-centre, parallel-group, non-inferiority trial (RE-LY STUDY)(November 2005-present) Formatted: Bullets and Numbering
19. **TREAT**- Protocol # 20010184,IND Number: BB IND-11621, Trial to Reduce Cardiovascular Events with Aranesp® Therapy(Sept.2004- Present) Formatted: Bullets and Numbering
20. **APEX**- Protocol # 2003056 A Multicenter, Randomized, Double-Blind, Parallel-group, Placebo-Controlled Study of Pexelizumab in Patients with Acute Myocardial Infarction Undergoing Primary Percutaneous Coronary Intervention. (June 2004-May 2006)
21. **ARISE** - Protocol #AGI-1067-042 Aggressive Reduction of Inflammation Stops Events (June 2003- August 2006) Formatted: Bullets and Numbering
22. **AMADEUS**- Protocol A multicenter, randomized, open-label, assessor-blind, non-inferiority study comparing the efficacy and safety of once-weekly subcutaneous idraparinix (SanOrg 34006) with adjusted-dose oral vitamin-K antagonists in the prevention of thromboembolic events in patients with atrial fibrillation.(Sept.2003-March 2006) Formatted: Bullets and Numbering
23. **BMC Hypertension study**- The Efficacy and Safety of Irbesartan/HCTZ Combination Therapy as First Line Treatment for Severe Hypertension (CV131176)(November 2005-March 2006) Formatted: Bullets and Numbering

24. **COREG(105517)/ 103560** - A Randomized, Double-blind, Positive-Controlled, Multicenter Study Comparing the Efficacy of Carvedilol Phosphate Modified Release Formulation (COREG™ MR) and Metoprolol Succinate Extended Release (Toprol-XL®) on the Reduction of Microalbuminuria in Patients with Hypertension and Microalbuminuria.(May 2005- Present) Formatted: Bullets and Numbering
25. **EVEREST** Protocol # 156-03-236 Multicenter, Randomized, Double-blind, Placebo-controlled study to evaluate the long term efficacy and safety of oral Tolvaptan tablets in subjects hospitalized with worsening congestive heart failure.(Aug.2003 – Present) Formatted: Bullets and Numbering
26. **NOVACARDIA STUDY**- A randomized, double-blind, placebo controlled, dose escalation study of the effects of KW-3902 on diuresis in patients with congestive heart failure (CHF) refractory to high dose diuretic therapy(July 2005-Jan. 2006) Formatted: Bullets and Numbering
27. **Novartis Pharmaceuticals trial entitled:** A 6-week, multicenter, randomized, double-blind, parallel-group study to evaluate the combination of valsartan/HCTZ (160/12.5mg with forced titration to a maximum dose of 320/25mg) compared to valsartan monotherapy (160mg with forced titration to 320mg) as initial therapy in patients with severe hypertension. Protocol Number: CVAH631D2301(Nov.2005-Present) Formatted: Bullets and Numbering
28. **ONO-5129POU006** –Randomized double-blind, placebo-controlled pharmacodynamic evaluation of Ono-5129 in patients with treatment naïve type II Diabetes mellitus(May 2005-December 2006) Formatted: Bullets and Numbering
29. **TRIUMPH**- Protocol :A Multi-Center, Prospective, Randomized, Double-Blind, Placebo-Controlled Study to Assess the Safety and Efficacy of Nitric Oxide Synthase Inhibition with Tilarginine Acetate Injection in Patients with Cardiogenic Shock Complicating Acute Myocardial Infarction, or "The TRIUMPH Study: Tilarginine Acetate Injection in a Randomized International Study in Unstable AMI Patients/Cardiogenic Shock"(June 2005-Present) Formatted: Bullets and Numbering
30. **TROPIC**- Protocol MA-03010401The dose response of Niacin ER/Lovastatin on peak walking time in patients with intermittent Claudication – a Matrix design (July 2003 – Present) Formatted: Bullets and Numbering
31. **A-Heft (African American Heart Failure Trial)**- Protocol A placebo-controlled trial of BiDil Added to standard therapy in African American patients with heart failure. (2003-July 2004)
32. **AVALIDE** – Protocol #L8829 (CV131-170) The efficacy and safety of Avalide 150/12.5 mg, and Avalide 300/25 mg in patients with hypertention uncontrolled on monotherapy.(June 2003- July 2004) Formatted: Bullets and Numbering
33. **AVANDIA 347**- Protocol BRL 49653C/347 A Multicenter, Randomized, Double-Blind, Parallel- Group, Placebo-Control, Clinical Evaluation of Insulin Plus Rosiglitazone (2mg and 4mg) Compared to Insulin Plus Placebo for 24 weeks in Subjects with Type 2 Diabetes Mellitus Who are Inadequately Controlled on Insulin(March 2003-March 2004) Formatted: Bullets and Numbering

34. **DAR 201-** Protocol# A Phase II Study to Evaluate the Effects of Darusentan on Safety and Efficacy in Subjects with Resistant Systolic Hypertension Receiving Combination Therapy with Three or More Antihypertensive Drugs, Including a Diuretic(July 2004- Present) Formatted: Bullets and Numbering
35. **ICPOP** - The Effect of Niacin ER/Lovastatin on Peak Walking Time in Patients with Intermittent Claudication (May 2004 – present) Formatted: Bullets and Numbering
36. **NAVIGATOR** Protocol # CDJN608B2302 Novartis Pharmaceuticals trial entitled: A multinational, randomized, double-blind, placebo-controlled, forced-titration, 2 x 2 factorial design study of the efficacy and safety of long term administration of nateglinide and valsartan in the prevention of diabetes and cardiovascular outcomes in subjects with impaired glucose tolerance (IGT)(July 2003- Present) Formatted: Bullets and Numbering
37. **TAK 536** - A Phase II, Double-Blind, Randomized, Placebo-Controlled, Dose- ranging Study of the Efficacy, Safety, and Tolerability of TAK-536 in Patients with Mild to Moderate Uncomplicated Essential Hypertension -01-03-TL-536-002(Aug.2004-present) Formatted: Bullets and Numbering
38. **TAK 525** - A Phase II Double-Blind, Randomized, Placebo-Controlled, Proof-of-Concept Study of the Efficacy, Safety and Tolerability of Pioglitazone HCl (ACTOS[®]) in combination with TAK-536 in Subjects with Type 2 Diabetes Protocol #: 01-04-TL-OPI-525(Aug 2004-June 2005) Formatted: Bullets and Numbering
39. **TAKEDA MCC-135-** Protocol No.: 01-02-TL-MCC135-001A Phase II, Double-Blind,Randomized, Exploratory, Placebo-Controlled Study of the Efficacy, Safety and Tolerability of MCC-135 Comparing QD vs BID Doses in Subjects with Congestive Heart Failure, NYHA Class II/III(Sep 2002-Present). Formatted: Bullets and Numbering
40. **SOLAR-** Protocol-4522US/0003:ARandomized,Open-Label,3-ArmParallel-group, Multicenter,PhaseIIIb Study Comparing theEfficacy and Safety of Rosuvastatin with Atorvastatin and Simvastatin Achieving NCEP ATP III LDL-C Goals in High-risk Subjects with Hypercholesterolemia in the Managed Care Setting(July 2002-Present). Formatted: Bullets and Numbering
41. **EXCLAIM-** Protocol XRPA4563C/3501: A Double-Blind, Placebo-Controled, Parallel, MulticenterStudy on Extended VTE Prophylaxis in Acutely III Medical Patients with Prolonged Immobilization(March 2002- Present). Formatted: Bullets and Numbering
42. **NEB - 203** A Double-Blind, Randomized, Multi-Center , Five Treatment Study Of The Effects Of Nebivolol Compared To Atenolol On Cardiovascular Hemodynamics And Exercise Capacity In Patients With Mild To Moderate Hypertension- Protocol #NEB-203(March 2002- Present). Formatted: Bullets and Numbering
43. **COREG 105517/ 347:** A Randomized, Double-Blind, Multicenter Study Comparing the Effects of Carvedilol and Metoprolol on Glycemic Control in Hypertensive Patients with Type II Diabetes Mellitus-SB 105517/347(March 2002- Present). Formatted: Bullets and Numbering
44. **ADVANCE-CVAH631AUS01:** “A Double Blind, Randomized, Parallel Group Study Comparing the Effects of Diovan HCT[®] 160/12.5mg to Amlodipine 10mg in African American Patients with Mild to Moderate Hypertension.(Dec 2001- Present). Formatted: Bullets and Numbering
45. **Mitsubishi Protocol,** A Phase II, Double-Blind, Randomized, Placebo Controlled, Dose Comparative Study of the Efficacy, Tolerability and Safety of MCC-135 in Subjects with Chronic Heart Failure, NYHA Class II/III(March 2001-Present). Formatted: Bullets and Numbering

- 46. **CRISP**, “A Single- Arm, Open Label Study Of Cerivastatin (Baycol) In Community- Based Patients With Hypercholesterolemia At Risk For Cardiovascular Disease And Patients With Cardiovascular Disease” (Dec. 2000-August 2000) Formatted: Bullets and Numbering

- 47. **Protocol DTI-0009/003**, Phase II, Multi-Center, Double-Blinded, Placebo-Controlled, Dose-Finding Efficacy and Safety Study of the A1-Adenosine Receptor Agonist DTI-0009 Administered Intravenously to Patients with Atrial Fibrillation (Dec. 2000-Present) Formatted: Bullets and Numbering

- 48. **EPERELONE**, A Double Blind, Randomized, Placebo-Controlled Trial Evaluating The Safety and Efficacy of Eplerenone in Patients with Heart Failure Following Acute Myocardial Infarction, IND #51,780 (Dec. 2000-May 2001). Formatted: Bullets and Numbering

- 49. **OCTAVE**, Omapatrilat Cardiovascular Treatment Assessment Versus Enalapril – Protocol #: CV 137120 (Nov. 2000-June 2001). Formatted: Bullets and Numbering

- 50. **SPORTIF V**, Efficacy & Safety Study of the Oral Direct Thrombin Inhibitor H 376/95 Compared with Dose-Adjusted Warfarin (Coumadin) in the Prevention of Stroke & Systemic Embolic Events in Patients with Atrial Fibrillation Protocol #: 233 (SH-TPA-0005) (July 2000-Present). Formatted: Bullets and Numbering

- 51. **TAKEDA 504**, A Randomized, Double-Blind, Comparator-Controlled Study of Pioglitazone HCl vs. Glyburide in the Treatment of Subjects with Type 2 (Non-Insulin Dependent) Diabetes Mellitus and Mild to Moderate CHF - Protocol #: 01-00-TL-OPI-504 (May 2000-Present). Formatted: Bullets and Numbering

- 52. **TAKEDA 520**, a Randomized, Double-Blind, Comparator-Controlled Study of Pioglitazone HCL vs Glyburide in the Treatment of Subjects with Type 2 (NonInsulin Dependent) Diabetes Mellitus and Mild Cardiac Disease (NYHA I). Formatted: Bullets and Numbering

- 53. **BRAVO**, “Blockade of the GP IIB/IIIA Receptor to Avoid Vascular Occlusion” Protocol Number: SB 214857/030 (1999-2000). Formatted: Bullets and Numbering

- 54. **ENABLE-2**, "ENdothelin Antagonist Bosentan for Lowering cardiac Events in heart failure": Double-Blind, Randomized, Placebo-Controlled Study to Assess the Effects of Ro 47-0203 (Bosentan) on the Morbidity and Mortality of Patients with Chronic Heart Failure (Bosentan), (March 1999-2002).

- 55. **VALIANT**, “VALsartan In Acute myocardial infarction”: Multinational, Multicenter, Double-Blind, Randomized, Active Controlled, Parallel Group Study Comparing The Efficacy And Safety Of Long-Term Treatment With Valsartan, Captopril And Their Combination In High-Risk Patients After Myocardial Infarction, (February 1999-2002). Formatted: Bullets and Numbering

- 56. **OPUS ORBOFIBAN STUDY** 159-97-02-026: OPUS-TIMI 16: A Phase III, International Randomized, Double Blind, Placebo-Controlled Trial Evaluating the Efficacy and Safety of Orbofiban in Patients with Unstable Coronary Syndromes. IND No. 49, 380. (May 1998-1999). Formatted: Bullets and Numbering

- 57. **AFFIRM TRIAL**, “Atrial Fibrillation Follow-up Investigation of Rhythm Management”: Sponsored by National Heart, Lung, and Blood Institute, National Institutes of Health. (May 1998-2001). Formatted: Bullets and Numbering

- 58. Randomized, Open-Label, Active Controlled, Multicenter Phase III Safety study of Two Doses of **NATRECOR hBNP** Administered as a Continuous Infusion in Treatment of Decompensated CHF. (1997-Completed). Formatted: Bullets and Numbering

- | [59.](#) **INVEST** (International Verapamil-Trandolopril Study) is a Randomized, Controlled, Clinical Trial Comparing a Calcium Antagonist Treatment Strategy (Isoptin SR) with a Non-Calcium Antagonist Treatment Strategy for the Control of Hypertension in Primary Care Coronary Artery Disease Patient Population Formatted: Bullets and Numbering
- | [60.](#) A Randomized, Placebo-Controlled, Parallel-Group Study of **C-866** with Long-Term Safety Evaluation In Patients with Essential Hypertension. (1997-Completed). Formatted: Bullets and Numbering
- | [61.](#) **REACH I TRIAL**, A Double-Blind, Randomized, Placebo-Controlled Study to Assess the Effects of Ro 470203 (Bosentan) on the Morbidity and Mortality of Patients with Chronic Heart Failure. (1997-1998 Completed). Formatted: Bullets and Numbering
- | [62.](#) **REACH II TRIAL OPEN-LABEL**, Long-Term study in Patients with Chronic Heart Failure who Participated in Controlled Clinical Studies with Bosentan. (1997-Completed). Formatted: Bullets and Numbering
- | [63.](#) **MERIT**, A Double-Blind, Placebo Controlled Survival Study with Toprol XL in Patients with Decreased Ejection Fraction and Symptoms of Heart Failure. MERIT, SH-MET 0024, #830-30. (1997-Completed). Formatted: Bullets and Numbering
- | [64.](#) **CONVINCE**, “Controlled Onset Verapamil Investigation of Cardiovascular Endpoints”: IND #39.459, I26-96-02-011. (1996-2001). Formatted: Bullets and Numbering
- | [65.](#) **RENAAL**, “A Double-Blind Randomized, Placebo Controlled Study to Evaluate the Renal Protective Effects of Losartan in Patients with NIDDM and Nephropathy” (MERCK PROTOCOL 147). (1996-2001). Formatted: Bullets and Numbering
- | [66.](#) **AZIMILIDE**, “An Open-Label Clinical Trial to Assess the Long Term Safety of Azimilide in Patients with Atrial Fib/Flutter and/or Paroxysmal Supraventricular Tachycardia” # 1995011. (1995-Completed). Formatted: Bullets and Numbering
- | [67.](#) **TRANDOLAPRIL in HYPERTENSION**, Effectiveness When Added to Verapamil SR TARKA TV-48-HTN, (1995-1997). Formatted: Bullets and Numbering
68. A Double-Blind, Placebo-Controlled, Parallel, Design Clinical Trial to Assess the Safety and Efficacy of 100 Mg of **Azimilide** for the Prophylactic Treatment of Symptomatic Atrial Fibrillation/Flutter and/or symptomatic Paroxysmal Supraventricular Tachycardia No. 1995010 (1995-1997).
- | [69.](#) A Double-Blind, Randomized, Placebo-Controlled, Parallel Design Trial of Twelve to Fourteen weeks Duration to Determine the Effect of Food on Anti-hypertensive Response of **CGP 48933** 80-Mg in Patients with Mild to Moderate Essential Hypertension. (1993-1995). Formatted: Bullets and Numbering
- | [70.](#) **Dose Ranging Study of Oral Bidsonide vs. Placebo** in Reducing the Recurrence of Symptomatic Atrial Fibrillation/Flutter and Paroxysmal Supraventricular Tachycardia NP8-92-02-046. (1993-1995). Formatted: Bullets and Numbering
- | [71.](#) **CARDIZEM CD ANGINA STUDY**, Protocol #DZPROI64. (1993). Formatted: Bullets and Numbering
- | [72.](#) **MINITRAN MULTICENTER EXERCISE TOLERANCE EFFICIENCY TRIAL**: Protocol R-834-T-018, (1992-1993). Formatted: Bullets and Numbering
- | [73.](#) **ANTI-COAGULATION**, Initiation and Maintenance Study Protocol # CDE-COU-8901. (1991). Formatted: Bullets and Numbering
- | [74.](#) **KERLONE**, Hypertension Clinical Evaluation. (1990) Formatted: Bullets and Numbering

| [75.](#) **NICARDIPINE STUDY**, Protocol #LAB/NICC019/USA. (1988-1989).

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| [76.](#) The Effect Of **AMIODARONE** On Malignant Cardiac Arrhythmias. Protocol #IND 21-612. (1981-1982).

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| [77.](#) **INOCOR** in **REFRACTORY CONGESTIVE HEART FAILURE STUDY**, Protocol #P-272. (1981-1982)

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Organization's, Memberships and Directorships of National and International Cardiovascular Symposiums:

1. Program Director of the First Non-Invasive Cardiovascular Evaluation 1974 Sponsored by the University of Florida College of Medicine In Cooperation with the Division of Continuing Education, January 24th – 25th, 1974, Gainesville, Florida
2. Program Director of the 1st Annual Cardiovascular Symposium jointly sponsored by the University of Florida and Doctors Hospital of Sarasota, held in Sarasota, FL; December 2-3, 1988.
3. Program Director for the 2nd Annual Cardiovascular Symposium jointly sponsored by the University of Florida and Doctors Hospital of Sarasota, held in Sarasota, FL; December 1-2, 1989.
4. Program Director of the 3rd Annual Cardiovascular Symposium jointly sponsored by the University of Florida and the Cardiovascular Institute of Sarasota, held in Sarasota, FL; December 7-8, 1990.
5. Program Director of the 4th Annual Cardiovascular Symposium jointly sponsored by the University of Florida and the Cardiovascular Institute of Sarasota, held in Sarasota, FL; December 13-15, 1991.
6. Program Director of the 5th Annual, 1st international Cardiovascular Symposium jointly sponsored by the University of Florida and the Cardiovascular Institute of Sarasota, held in Cairo, Egypt; November 20-29, 1992.
7. Program Director of the 6th Annual, 2nd International Cardiovascular Symposium jointly sponsored by the University of Florida and the Cardiovascular Institute of Sarasota, held in Athens, Greece and Istanbul, Turkey; October 1-11, 1993.
8. Co-Chairman of one of the Scientific Sessions of the 43rd Annual Meeting of the American College of Cardiology in Atlanta, Georgia; March 14-19, 1984.
9. Program Director of the 7th Annual, 3rd International Cardiovascular Symposium jointly sponsored by the University of Florida, University of Vienna, and the Cardiovascular Institute of Sarasota, held in Vienna, Prague, Bratislava, and Budapest; September 15-27, 1994.
10. Program Director of the 8th Annual, 4th International Cardiovascular Symposium jointly sponsored by the University of Florida and the Cardiovascular Institute of Sarasota, held in Rome, Italy and Barcelona, Spain; September 26-October 9, 1995.
11. Program Director of the 9th Annual, 5th International Cardiovascular Symposium sponsored by the CVIS Foundation, Doctors Hospital of Sarasota, and the Cardiovascular Division of the University of Florida, held in London, England, Scandinavia, and St. Petersburg, Russia; August 20-September 4, 1996.
12. Program Director of the 10th Annual, 6th International Cardiovascular Symposium sponsored by the CVIS Foundation, Doctors Hospital of Sarasota, and the Cardiovascular Division of the University of Florida, held in Paris, France and Cape Town, South Africa; November 21-December 4, 1997.

13. Program Director of the 11th Annual, 7th International Cardiovascular Symposium sponsored by the Cardiovascular Institute of Sarasota Foundation, Doctors Hospital of Sarasota, and the Cardiovascular Division of the University of Florida, held in China and the Orient; October 3-19; 1998.
14. Program Director of the 12th Annual, 8th International Cardiovascular Symposium sponsored by CVIS Foundation, Doctors Hospital of Sarasota and the Cardiovascular Division of the University of Florida in cooperation with The Argentinean Society of Cardiology held in South America "from Santiago, Chile to Buenos Aims, Argentina" November 19, - December 7, 1999.
15. Guest Faculty at the 4th World Congress of Echocardiography and Vascular Ultrasound, January 19th – 21st, 2000, Cairo, Egypt.
16. Session Chairman at the Annual Meeting of the Egyptian Society of Atherosclerosis, January, 22nd – 25th, 2000, Cairo, Egypt.
17. Program Director of the 13th Annual, 9th International Cardiovascular Symposium sponsored by the Cardiovascular Institute of Sarasota Foundation, Doctors Hospital of Sarasota, and the Cardiovascular Division of the University of Florida, held in Australia and New Zealand; October 12 – 28, 2000.
18. Program Director of the 14th Annual, 10th International Cardiovascular Symposium sponsored by the Cardiovascular Institute of Sarasota Foundation, Doctors Hospital of Sarasota, and the Cardiovascular Division of the University of Florida, held in the Caribbean Island; October 16 – 28, 2001
19. Program Director of the 15th Annual, 11th International Cardiovascular Symposium sponsored by the Cardiovascular Institute of Sarasota Foundation, Doctors Hospital of Sarasota, and the Cardiovascular Division of the University of Florida, held in England, Scotland and Ireland; August 1 – 15, 2002.
20. Co Chair 4th Annual New Year Symposium of the Association of American Black Cardiologists "ABC", Western Caribbean, December 28, 2002- January 4, 2003
21. Program Director of the 16th Annual, 12th International Cardiovascular Symposium sponsored by the Cardiovascular Institute of Sarasota Foundation, Doctors Hospital of Sarasota, and the Cardiovascular Division of the University of Florida, held in Spain, Portugal; October 24 – November 7, 2003.
22. Program Director of the First Annual Cardiovascular Symposium: Cardiology Update 2005 held at SMH Auditorium on Saturday, February 11, 2005, jointly sponsored by: Sarasota Memorial Healthcare System and Cardiovascular Center of Sarasota
23. Program Director of the 17th Annual, 13th International Cardiovascular Symposium sponsored by the Cardiovascular Institute of Sarasota Foundation, Doctors Hospital of Sarasota, and the Cardiovascular Division of the University of Florida, held in Austria, Slovenia and Italy, July 17-29, 2004
- | [24.](#) Program Director of the Second Annual Cardiovascular Symposium: Cardiology Update 2006, February 2006, jointly sponsored by: Sarasota Memorial Healthcare System and Cardiovascular Center of Sarasota Formatted: Bullets and Numbering
- | [25.](#) Program Director of the 18th Annual, 14th International Cardiovascular Symposium sponsored by the Cardiovascular Institute of Sarasota Foundation, Sarasota Memorial Health Care System and Foundation and the Cardiovascular Division of the University of Florida, held in The republic of Seychelles, Madagascar and Mauritius, November 28-December 12, 2005 Formatted: Bullets and Numbering
- | [26.](#) Program Director of the 19th Annual, 15th International Cardiovascular Symposium sponsored by the Cardiovascular Institute of Sarasota Foundation, Sarasota Memorial Health Care System and Foundation, Formatted: Bullets and Numbering

and the Cardiovascular Division of the University of Florida, held in Egypt, Italy, Turkey, and Greece, October, 2006

27. Program Director of the Third Annual Cardiovascular Symposium: Cardiology Update 2007, March 2007, jointly sponsored by Sarasota Memorial Healthcare System and Cardiovascular Center of Sarasota Formatted: Bullets and Numbering

28. Program Medical director and instructor for international symposium sponsored by the American Heart Association Course in New Delhi, India at Max Health Care Institution from October 18-26th 2007.

29. Program Director of the 20th Annual, 16th International Cardiovascular Symposium sponsored by the Cardiovascular Institute of Sarasota Foundation, Sarasota Memorial Health Care System and Foundation, and the Cardiovascular Division of the University of South Florida, held in India, October, 2007 Formatted: Bullets and Numbering

CIVIC ORGANIZATIONS PAST AND PRESENT:

- Member of the Board of Directors of Florida/Puerto Rico Chapter of the American Heart Association
- Co Chair for the Manatee/Sarasota AHA Heart Ball 2005
- Member, Board of Directors, Sarasota County Chamber of Commerce
- YMCA
- Ringling Museum
- Selby Gardens
- Sun Coast Heart Association
- Sarasota County Public Health Clinic
- Century Club of Sarasota Memorial Hospital
- Sarasota Opera Society
- New College Library Association
- Boys Club of Sarasota
- Kentucky colonel