

## CURRICULUM VITAE

# EMAD F. AZIZ

DO, MB. CH.B, RCIS, RCS

DATE OF PREPARATION: December 20<sup>th</sup>, 2011

### PERSONAL DATA:

Name: Emad Farid Aziz  
Citizenship: US Citizen

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### ACADEMIC TRAINING:

August 2001 - New York Collage Of Osteopathic Medicine  
May 2004 Old Westbury, NY. D.O.

August 1993 - ST. Joseph's School of Cardiac Technology  
September 1994 Paterson, NJ. RCIS, RCS

August 1982 - Faculty of Medicine, Alexandria University  
February 1989 Alexandria, Egypt. M.B. CH.B

### LICENSURE:

February 2011	New York State:	260476
August 2011	New Jersey State:	Pending
June 2011	California State:	20A12002
DEA		FA2878962
NPI		156874016

POSTDOCTORAL TRAINING:

- November 9-10, 2011  
Advanced Interventional Left Heart Lead Implant Program,  
Course Director: Seth J. Worley, MD  
Lancaster General Health System  
Medtronic Cardiac Rhythm Disease Management  
Lancaster, PA
- October 18-19, 2011  
Practical CARTO 3 System Workflow Mastery,  
The Ethicon Endo Surgery Center  
Biosense Webster  
Cincinnati, Ohio
- August 5-7, 2011  
Heart Rhythm Society Scholarship,  
Course Director: Joshua M. Cooper, MD  
Emerging Electrophysiologists: Transition to Practice  
Washington, DC.
- May 18-23, 2011  
Biotronick International Fellows Program,  
Course Director: Josep Brugada, MD  
Madrid, Spain
- July 2009 – June 2011  
Fellowship in Clinical Cardiac Electrophysiology,  
Dual Accreditation Approved by AOA and ACGME  
St. Luke's-Roosevelt Hospital Center  
New York, NY 10025  
*Involved in a variety of complex ablation procedures, most of them as the primary operator under the supervision of pioneers in the field of ablation and laser lead extraction. Up to date, I have performed more than 250 ablations (including Atrial Flutter, AVNRT/AVRT, Atrial Tachycardia, Pulmonary vein isolation, Ventricular tachycardia, PVC, and AVJ ablations), 300 device implantations (including Dual chamber Pacemakers, Implantable defibrillators, Biventricular devices and Loop recorders) and 50 laser lead extractions. I have also been a key player in orchestrating all electrophysiology research at our institutions involving in more than 30 major NIH and industry sponsored trials.*
- February 2009 – March 2009  
Clinical Fellowship in Advanced Heart Failure,  
The Heart Failure Center for Advanced Cardiac Therapy  
Montefiore-Einstein Heart Center  
Bronx, NY 10467
- July 2007 – June 2009  
Clinical Fellowship in Cardiology,  
Dual Accreditation Approved by AOA and ACGME  
St. Luke's-Roosevelt Hospital Center  
New York, NY 10025
- July 2005 – May 2007  
Junior and Senior Resident, Internal Medicine,  
Dual Accreditation Approved by AOA and ACGME  
St. Luke's-Roosevelt Hospital Center  
New York, NY 10025

July 2004 – May 2005	Dual Accredited Internship in Internal Medicine, Approved by AOA and ACGME St. Luke's-Roosevelt Hospital Center New York, NY 10025
January 1996 – December 2000	Research Assistant & Coordinator, Department of Cardiology St. Luke's-Roosevelt Hospital Center New York, NY 10025 <i>Participated in all Cath Lab trials including SHOCK trial, EPILOG-STENT trial, TIMI11 study, OAT trial and PARAGON.</i>
August 1993 – September 1994	Cardiovascular Technologist (RCVT) St. Joseph's Medical Center Paterson, NJ 07503
March 1990 – July 1993	Resident in Internal Medicine, Cardiovascular Track Gamal Abdel-Naser University Hospital Center Alexandria, Egypt
February 1989 – March 1990	Internship, House officer in Internal Medicine. Alexandria University Hospitals Alexandria, Egypt.

BOARD CERTIFICATION AND ELIGIBILITY:

July 2003	COMPLEX I:	Passed
January 2004	COMPLEX II:	Passed
February 2005	COMPLEX III:	Passed
July 2009	Board Certified	American Osteopathic Board of Internal Medicine
August 2010	Board Certified	American Osteopathic Board of Cardiology
June 2011	Board Eligible	American Osteopathic Board of Electrophysiology
June 2011	Certified	Spectranetics Laser and CVX-300 Excimer Lead Management
October 2010	Certificate:	Basic Cardiovascular Life Support certified
October 2010	Certificate:	Advanced Cardiovascular Life Support Certified
September 1994	Certificate:	Registered Cardiovascular Invasive Specialist RCIS
September 1994	Certificate:	Registered Cardiovascular Sonographer RCS

PROFESSIONAL SOCIETIES MEMBERSHIPS:

American College of Osteopathic Internists (ACOI)  
Heart Rhythm Society (HRS)  
American Heart Association (AHA)  
Council of Quality of Care and Outcomes Research  
American College of Cardiology (ACC)  
American Osteopathic Association (AOA)  
American Academy of Osteopathic Medicine (AAO)  
National Arab American Medical Association (NAAMA)  
Society of Invasive Cardiovascular Professionals (SICP)

HOSPITAL & ACADEMIC APPOINTMENTS:

August 1993 – September 1994	Preceptor, Department of Cardiology St. Joseph’s School of Cardiovascular Technology Paterson, NJ 07503
November 1994 – December 2000	Chief Cardiovascular Invasive Specialist (RCIS) St. Luke’s-Roosevelt Hospital Center New York, NY 10025
January 2001 – June 2004	MI Team, Senior Member St. Luke’s-Roosevelt Hospital Center New York, NY 10025 <i>Participated in all Acute Myocardial Infarction &amp; Primary Angioplasty</i>
May 2001 – May 2004	Preceptor, Department of Internal Medicine Cardiology Course & EKG Classes for APEP “Accelerated program for Émigré Physicians” Students, 2002, 2003, 2004 classes New York Collage of Osteopathic Medicine (NYCOM) Old Westbury, NY 11568
July 2004 – Present	Clinical Instructor; Department of Medicine St. Luke’s-Roosevelt Hospital center New York, NY 10025
July 2004 – Present	Creator and Coordinator: <b>ACAP</b> “Advanced Cardiac Admission Program”, Department of Medicine, Division of Cardiology, St. Luke’s-Roosevelt Hospital Center New York, NY 10025

- July 2005 – Present  
Fellow Hypertension Task Force  
St. Luke's-Roosevelt Hospital Center  
New York, NY 10025
- July 2006 – Present  
Director **ACAP** Cardiac Research Program,  
Department of Medicine and Division of Cardiology  
St. Luke's-Roosevelt Hospital Center  
New York, NY 10025
- July 2006 – Present  
Director **ACAP** Volunteer & Émigré Physician Program,  
Department of Medicine and Division of Cardiology  
St. Luke's-Roosevelt Hospital Center  
New York, NY 10025
- October 2011 – Present  
Attending Physician, Cardiology & Electrophysiology  
Department of Medicine, Division of Cardiology  
St. Luke's-Roosevelt Hospital center  
New York, NY 10025
- October 2011 – Present  
Assistant Professor of Medicine  
Columbia University, College of Physicians and Surgeons  
New York, NY 10025

HONORS:

- June 2009  
Winner of the 10<sup>th</sup> Annual Joan Barber Memorial Research Award  
*The New York Echo Society Meeting, June 2009.*
- May 2009  
Winner of the Jay N. Cohn New Investigator Clinical and  
Integrative Physiology Award. *The 13<sup>th</sup> Annual Scientific Meeting of the  
HFSA, Boston 2009*
- May 2009  
Winner of the Best Poster - Hypothesis Driven Retrospective  
Research. *The 3<sup>rd</sup> Annual SL/RHC Research Fair St. Luke's-Roosevelt  
Hospital Center, NY, April 2009*
- May 2003  
Top teaching Student Award, by *APEP class 2004.*  
New York Collage of Osteopathic Medicine, NY
- May, 2002  
Excellence of Community Outreach Award  
New York Collage of Osteopathic Medicine, NY
- November 2000  
Employee Recognition Award  
St. Luke's-Roosevelt Hospital Center, New York, NY
- September 1994  
Academic Excellence Award  
St. Joseph's Hospital Center, Paterson NJ
- June 1985  
Honors in Anatomy, Physiology & Pathology Departments  
Faculty of Medicine, University of Alexandria, Egypt

- May 1981 National Merit Scholarship for Graduate Education  
Alexandria, Egypt
- May 1981 State First rank in State Higher Secondary Examination  
Alexandria, Egypt

REVIEWER & EDITORIAL BOARD FOR PEER-REVIEW JOURNALS:

- Translational Medicine-Current Research – *Editorial Board Member, 2011*  
World Journal of Cardiovascular Diseases – *Editorial Board Member, 2011*  
Chronicles of Young Scientists – *Reviewer since 2011*  
Journal of American Osteopathic Association – *Reviewer since 2011*  
International Journal of Cardiology – *Reviewer since 2010*  
Journal of Clinical Pharmacology – *Reviewer since 2010*  
Journal of Medical Case Reports – *Reviewer since 2009*  
American Journal of Cardiology – *Reviewer since 2009*  
American Heart Journal – *Reviewer since 2008*  
Journal of Critical Pathways in Cardiology – *Reviewer since 2007*  
Progress in Cardiovascular Disease – *Reviewer since 2007*

SPECIFIC RESEARCH ACTIVITIES:

- December 1988 M.D. Dissertation: Department of Medicine, Alexandria, Egypt  
*'Specific Heart Muscle Disease in Diabetes – Diastolic Function in Diabetes Mellitus'*
- May 2003 Department of Osteopathic Medicine, New York Collage of Osteopathic  
Medicine. *'OMT effect on Post-Myocardial Infarction patient's Hospital recovery and  
length of stay'*. Co-Investigator, PI: Dennis Dowling, DO, Victor Isaac, MD.
- July 2004 - 2006 Evaluation of Osteopathic Manipulative treatment as a first line  
management in conjunction with life style modification to lower blood  
pressure in patients classified as pre-hypertensive according to JNC 7.  
*(OMTiPre-HTN)*. Principal Investigator.  
St. Luke's-Roosevelt Hospital Center
- July 2004 - 2005 CVRS Rheos Feasibility Clinical Trial. *A multi-center, clinical evaluation of the  
Rheos Hypertension System in patients with drug resistant high blood pressure.*  
Co-Investigator, PI: Franz Messerli, MD  
St. Luke's-Roosevelt Hospital Center
- July 2004 - Present Acute Coronary Syndrome (*ACAP-PAIN*) Database Registry & Follow Up  
Co-Investigator, PI: Eyal Herzog, MD  
St. Luke's-Roosevelt Hospital Center

July 2004 - Present	Heart Failure ( <i>ACAP-HF</i> ) Database Registry & Follow Up Co-Investigator, PI: Marrick Kucin, MD St. Luke's-Roosevelt Hospital Center
July 2004 - Present	Atrial Fibrillation ( <i>ACAP-RACE</i> ) Database Registry & Follow Up Co-Investigator, PI: Eyal Herzog, MD St. Luke's-Roosevelt Hospital Center
July 2008 - Present	( <i>E-STOP</i> ); ( <i>ACAP-SELF</i> ) Syncope Database Registries & Follow Up Co-Investigator, PI: Eyal Herzog, MD St. Luke's-Roosevelt Hospital Center
January 2009 - Present	<i>ACAP-ESCAPE</i> (SCD prevention) Database Registry & Follow Up Co-Investigator, PI: Eyal Herzog, MD St. Luke's-Roosevelt Hospital Center
July 2010 - Present	<i>ACAP-MOHCA</i> (Hypothermia Protocol) Database Registry & Follow Up Co-Investigator, PI: Eyal Herzog, MD St. Luke's-Roosevelt Hospital Center

BIBLIOGRAPHY:

Original, Peer Reviewed Articles:

1. **Emad F Aziz**, Fahad Javed, Eyal Herzog. Right Ventricular Dysfunction and Prognosis in Acute Heart Failure. *Invited Article for the Decompensated Heart Failure section of Volume 8, Issue 3, of Current Heart Failure Reports, 2011.*
2. Fahad Javed, Shahzeb A Khan, **Emad F Aziz**, Muhammad Shoaib Akram, Girish N Nadkarni, Manpreet Singh Sabharwal, Zurish Ahmad, Alexandre M. Benjo, Eyal Herzog, Eric Ayers. Association of Hypertension and Bone Mineral Density in Elderly African American Female Population. (*In Press*) *the Journal of National Medical Association, 2011.*
3. Dan G Halpern, Edgar Argulian, Alexandros Briasoulis, Farooq Chaudhry, **Emad F. Aziz**, Eyal Herzog. A Novel Pericardial Effusion Scoring Index to Guide Decision for Drainage. *Chest 2012*
4. **Emad F Aziz**, Aleksandr Korniyenko, Balaji Pratap, Juan Pablo Cordova, Carlos L. Alviar, Fahad Javed, Eyal Herzog. Hyperkalemia and low eGFR, a Tedious Recipe for Cardiac Disaster in the Elderly; an Unusual Reversible Cause of Syncope and heart Block. *Heart International, Vol 6, No 2, 2011.*
5. **Emad F. Aziz**, Carlos L. Alviar, Fahad Javed, Eyal Herzog. Triple Vessel Coronary Artery Disease Presenting as a Positive Electrocardiographic Stress Test and a Negative SPECT Nuclear Scan: An Unusual Case of Balanced Ischemia. *Heart International, 2011.*
6. Eyal Herzog, **Emad F Aziz**, Janet Shapiro. Integrating Voices of Survivors into the System of Care Post-Cardiac Arrest. *Crit Pathw Cardiol. 2011 Jun;10(2):113-4.*
7. Edgar Argulian, Dan G. Halpern, **Emad F. Aziz**, Seth Uretsky, Farooq Chaudhry, Eyal Herzog. Novel 'CHASER' Pathway for the Management of Pericardial Disease. *Crit Pathways in Cardiol, Volume 10 - Issue 2 - pp 57-63, June 2011*
8. **Emad F. Aziz**, Sandeep Pulimi, Balaji Pratap, Fahad Javed, Maria E. De Benedetti Zunino, Deborah Tormey, Mun K. Hong, Eyal Herzog. Implementing a Pathway for the Management of Acute

- Coronary Syndrome leads to Improved Compliance with Guidelines and a Decrease in Angina Symptoms. (*Published online ahead of print*) *the Journal of healthcare Quality*, June, 2011.
9. Fahad Javed, Alexandre M Benjo, Manpreet S Sabharwal, Kiran Reddy, Girish Nadkarni, **Emad Aziz**, Eyal Herzog. Dexmedetomidine use in the setting of cocaine induced hypertensive emergency and aortic dissection. A novel indication. (*Published online ahead of print*) *Case Reports in Medicine*, June, 2011.
  10. **Emad F Aziz**, Fahad Javed, Balaji Pratap, Joseph H. Bastawrose, Andre Tojino, Chaithanya k Pamidimukala, Terrence S. Park, Sandeep Pulimi, Eyal Herzog, and Marrick L. Kukin. Malnutrition as Assessed by Nutritional Risk Index is Associated with Worse Outcome in Patients Admitted with Acute Decompensated Heart Failure. ACAP-HF Data Analysis. *Heart Int.* 2011;6(1):e2. *Epub* 2011 Jun 15.
  11. **Emad F. Aziz**, Carlos L. Alviar, Eyal Herzog, Juan Pablo Cordova, Joseph H. Bastawrose, Chaithanya k Pamidimukala, Andre Tojino, Terrence S. Park, Dan Musat, Marrick Kukin. Continuous Infusion of Furosemide Combined with Low Dose Dopamine Compared to Intermittent Boluses in Acutely Decompensated Heart Failure is Less Nephrotoxic and Carries a Lower Readmission at 30-days. *Hellenic J Cardiol.* 2011 May-Jun;52(3):227-35.
  12. **Emad F. Aziz**, Balaji Pratap, Maria E. De Benedetti Zunino, Fahad Javed, Deborah Tormey, Olivier Frankenberger, Mun K. Hong, Eyal Herzog. Success in Implementing a Hospital Wide Evidence-Based Clinical Pathways System for the Management of Cardiac Patients; the ACAP Program Experience. *Crit Pathways in Cardiol* 10(1):22-28, March 2011.
  13. Fahad Javed, Girish N Nadkarni, Shahzeb A Khan, Manpreet S. Sabharwal, N Annapureddy, Alexander Benjo, **Emad F Aziz**, Eyal Herzog. The associations of the Friesinger score and estimated glomerular filtration rate in an urban South Asian patient population. *Clin Nephrol.* 2011 Apr;75(4):356-61.
  14. **Emad F. Aziz**, Marrick Kukin, Fahad Javed, Balaji Pratap, Manpreet Singh Sabharwal, Deborah Tormey, Olivier Frankenberger, Eyal Herzog. Early Administration of Nitroglycerin in Addition to Diuretic Improve Mortality in Patients with Chronic Kidney Disease Presenting With Acute Decompensated Heart Failure, a Two Year Follow-Up. *Hospital Practice (Minneapolis).* 2011 Feb;39(1):126-32
  15. Fahad Javed, **Emad F. Aziz**, Manpreet Singh Sabharwal, Girish Nadkarni, Shahzeb A Khan, Alexandre M Benjo, Eyal Herzog, Franz H. Messerli. Association of Body Mass Index and Cardiovascular Risk Stratification in the Elderly African-American Females. *Obesity*, 2010 Dec 23. [*Epub ahead of print*].
  16. **Emad F. Aziz**, Fahad Javed, Balaji Pratap, Eyal Herzog. Strategies for the Prevention and Treatment of Sudden Cardiac Arrest: A Review. *Open Access Emergency Medicine* 2010;2 99–114
  17. Jessica Lai-Ling, **Emad F. Aziz**, Eyal Herzog. Electrocardiogram for Hiccups? *Am J Med (e-Pub ahead of printing)* 2010 Nov.06.025
  18. Dan Musat, **Emad F. Aziz**, Jayanthi Koneru, Ganesh Kamath, Aysha Arshad, Suneet Mittal, Jonathan S. Steinberg. Computational Method to Predict Esophageal Temperature Elevations during Pulmonary Vein Isolation. *Pacing Clin Electrophysiol.* 2010 Jun 10
  19. Fahad Javed, Shahzeb A Khan, **Emad F Aziz**, Taimur Abbasi, Ramya Suryadevara and Eyal Herzog. Unusual towering elevation of Troponin I after ST-Elevation Myocardial Infarction and intensive monitoring with echocardiography post-percutaneous Coronary Intervention. *J Med Case Reports.* 2010 May 18;4(1):137.

20. **Emad F. Aziz**, Marrick Kukin, Carlos L. Alviar, Amjad Nader, Dan Musat, Ajay Shah, Farooq A. Chaudhry, Eyal Herzog. Right Ventricular Dysfunction is a Strong Predictor of Developing Atrial Fibrillation in Acutely Decompensated Heart Failure Patients, ACAP-HF Data Analysis. *J Cardiac Fail* October 2010. Vol. 16, Issue 10, Pages 827-834
21. Fahad Javed, **Emad F Aziz**, Girish N Nadkarni, Shahzeb A Khan, Narender Annapureddy, Alexandre Benjoa, Eyal Herzog. The Association of The Friesinger Score and Pulse Pressure in an Urban South Asian Patient Population: Pulse Pressure an Independent Predictor of Coronary Artery Disease. *J Am Soc Hypertens.* 2010 May - June;4(3):142-147.
22. Eyal Herzog, Janet Shapiro, **Emad F Aziz**, Ji Chong, Mun K Hong, Dan Weiner, Richard Lee, Gregory Janis, Yevgeny Azrieli, Barbara Velasquez, Leonida Lacdao, Suneet Mittal. Pathway for the Management of Survivors of Out of the Hospital Cardiac Arrest. *Crit Pathways in Cardiol* 2010;June(2)9:49-54
23. **Emad F. Aziz**, Sandeep Pulimi, Clenton Coleman, Dan Musat, Eyal Herzog, David L. Coven, Mun K. Hong. Increased Vascular Access Complications in Patients with Renal Dysfunction Undergoing Percutaneous Coronary Procedures Using Arteriotomy Closure Devices. *J Invasive Cardiol* 2010;22:8-13
24. Eyal Herzog, **Emad F. Aziz**, Marrick Kukin, Jonathan S. Steinberg, Suneet Mittal. Novel ESCAPE Pathway for Sudden Cardiac Death Prevention. *Crit Pathways in Cardiol* 2009;8: 1-6
25. Ganesh Kamath, Delia Cotiga, Jayanthi Koneru, Aysha Arshad, Walter Pierce, **Emad F. Aziz**, Anisha Mandava, Suneet Mittal, Jonathan S. Steinberg. The utility of 12-lead Holter monitoring in patients with permanent atrial fibrillation for the identification of nonresponders after cardiac resynchronization therapy. *J Am Coll Cardiol*, 2009; 53:1050-1055
26. Eyal Herzog, Olivier Frankenberger, **Emad Aziz**, Sripal Bangalore, Sandhya Balaram, E. John Nasrallah, Stanley Cortell, and Franz H. Messerli, A Novel Pathway for the Management of Hypertension for Hospitalized Patients. *Crit Pathways in Cardiol* 6(4):150-160, December 2007.
27. Delia Cotiga, Aysha Arshad, **Emad Aziz**, Sandeep Joshi, Tina Sichrovsky, Jonathan S. Steinberg. Acute Conversion of Persistent Atrial Fibrillation during Dofetilide Initiation. *Pacing & Clinical Electrophysiology* 2007; 30:1527-1530.
28. Eyal Herzog, **Emad Aziz**, Sripal Bangalore, Alan Rozanski, Marrick Kukin. Translation of Critical Pathways for Acute Coronary Syndrome and for Acute Heart Failure into Admission Forms and Discharge Planning. *Crit Pathways in Cardiol.* 4(2):59-63, June 2005
29. Eyal Herzog, **Emad Aziz**, Sripal Bangalore, Avi Fischer, Jonathan S. Steinberg. Translation of the RACE pathway for management of atrial fibrillation and atrial flutter into admission notes. *Crit Pathways in Cardiol.* 5(1): 15-17, March 2006.
30. Eyal Herzog, **Emad Aziz**, Sherryl Croitor, Olivier Frankenberger, Rajan Gurunathan, Jeannie Albu, Nicholas Mezitis. Pathway for the management of Hyperglycemia in Critical Care Units. *Crit Pathways in Cardiol.* 5(2):114-120, June 2006.
31. **Emad F. Aziz**, Carlos L. Alviar, Jacqueline Tamis-Holland, Fahad Javed, Catalin Florita, Sandeep Pulimi, Dan Musat, Juan Pablo Cordova, Hyun Kyung Rhee, David L. Coven, Eyal Herzog, and Mun K. Hong. Arteriotomy Closure Complications in Diabetic Patients Undergoing Cardiac Catheterization: Role of Antibiotic Prophylaxis in Decreasing Infection Risk. *Submitted to American Journal of Cardiology for Review.*

**Abstracts:**

1. **Emad Aziz**, Dan Musat, Jacqueline Tamis-Holland, Varinder Singh, Deborah Tormey, James Wilentz. Culprit vessel analysis in patients presenting with first STEMI, a correlation between cardiac risk factors and angiographic finding. *TCT Meeting, Washington, DC 2005*
2. Sripal Bangalore, **Emad Aziz**, Ajay Shah, Shruthi Shah, Donna MacMillan, Siu-Sun Yao, James Wilentz, Farooq A Chaudhry. Wall Motion Score by Stress Echocardiography is Superior to Angiographic Jeopardy Score for Risk Stratification and Prognosis. *J. Am Coll Cardiol 2006; 47(4):94A, 124A*
3. Sripal Bangalore, **Emad Aziz**, Shadi Abdelnour, Bobocea Manuela Andreea Elena, Devi Gopinath, Dan Musat, Ajay Shah, Danny Pudpud, Siu-Sun Yao, Farooq A Chaudhry. Comparison of 85% Of Age-predicted Maximum Heart Rate, Heart Rate Reserve and Rate Pressure Product for Risk Stratification and Prognosis in Diabetics: A Dobutamine Stress Echocardiography Study. *Circulation 2005;112(17):3354*
4. **Emad Aziz**, Dan Musat, Sripal Bangalore, Ashraf Fawzy, Deborah Tormey, Olivier Frankenberger, Eyal Herzog. Risk Assessment and Stratification for future cardiac events in patients admitted with Acute Coronary Syndrome using a novel critical pathway and its validation by Framingham Risk Score. *J. Am Coll Cardiol 2006; 47(4):94A, 167A*
5. Sripal Bangalore, Dan Musat, **Emad Aziz**, Bilal Ayub, Sabrina Sawhney, Danny Pudpud, Siu-Sun Yao, Farooq A Chaudhry. Prognostic Implications of Right Ventricular Ischemia in Patients Referred For Stress Echocardiography. *Circulation 2005;112(17):3353*
6. Saihari Sadanandan, Jacqueline Tamis, Jackerpan Chaipromprasit, **Emad Aziz**, James Slater. Clinical and angiographic predictors of CPK-MB release following coronary Stent implantation. *JACC 35:4A, 2000.*
7. **Emad F. Aziz**, Sripal Bangalore, Dan Musat, Raffy Kahn, Ashraf Fawzy, Deborah Tormey, Jacqueline Tamis-Holland, James N. Slater. 10-year follow-up outcome of an interventional revascularization strategy in patients with stable angina, using conventional Bare-Metal Stent Angioplasty and/or Rotational Atherectomy. *Presented at CRT 2006 as a poster presentation.*
8. **Emad F. Aziz**, Sripal Bangalore, Dan Musat, Joseph Mathew, Stacy Vargel, Clenton Coleman, Lance Weathers, Olivier Frankenberger, Eyal Herzog,. Impact of a Novel Critical Pathway for the Management of Acute Coronary Syndrome leads to markedly improved Compliance with Guidelines and decreased Angina Symptoms at 12-month follow-up. *J. Am Coll Cardiol 2006;47(4):268A-268A*
9. **Emad F. Aziz**, Dan Musat, Sripal Bangalore, Clenton Coleman, Deborah Tormey, Eyal Herzog. The Impact of the Implementation of a Novel Critical Pathway for Management of Patients with Acute Coronary Syndrome on House staff Education to improve Compliance with National Guidelines. *Presented at the AHA 7th Scientific Forum on Quality of Care and Outcomes Research in Cardiovascular Disease and Stroke, March 2006.*
10. Sripal Bangalore, **Emad Aziz**, Xiaoqian Zhang, Naoi Imai, Sanobar Parkar, Ajay Shah, Danny Pudpud, Siu-Sun Yao, Farooq A Chaudhry. Role of Diastolic Dysfunction as Measured by Left Atrial Size in Patients Undergoing Stress Echocardiography. *Accepted at ASE 2006.*
11. Sripal Bangalore, Gayathri Kamalakkannan, **Emad Aziz**, Raffay Khan, Devi Gopinath, Catherine Weinberg, Omar Weaver Pinzon, Sabrina Sawhney, Nilo Ayuyao, Ajay Shah, Siu-Sun Yao, Farooq A Chaudhry. Prognostic Impact of Renal Function in Patients Undergoing Stress Echocardiography. *Accepted at ASE 2006*

12. **Emad F. Aziz**, Sripal Bangalore, Dan Musat, Gamal Hassanien, Afag Seidova, Franz Messerli. Evaluation of the role of Osteopathic Manipulative Treatment in complementing the standard treatment of prehypertension. *Presented at ASH 21<sup>st</sup> 2006*, as a poster presentation.
13. Nicholas Meztis, **Emad Aziz**, Sherryl Croitor, Dan Musat, Olivier Frankenberger, Eyal Herzog. Assessment and Validation of a Novel Critical Pathway for the Management of Hyperglycemia in Cardiac Patients admitted to Coronary Care Units. *Presented at the 42<sup>nd</sup> EASD Annual meeting, Copenhagen, Denmark 2006*.
14. Sripal Bangalore, **Emad Aziz**, Rabia Arshad, Ajay Shah, Ramya Smitha Suryadevara, Naohiko Imai, Sanobar Parkar, Deborah Cantales, Siu-Sun Yao, Farooq A Chaudhry. Stress Echocardiography can Risk Stratify and Prognosticate Patients With Left Ventricular Hypertrophy. *Circulation 2006;II-368:1859*.
15. Delia Cotiga, Aysha Arshad, **Emad Aziz**, Walter Pierce, Jonathan S Steinberg. Don't Be Fooled by CRT Device Counters in Patients with AF: Common Presence of Ineffective Biventricular Capture as Determined by Sophisticated Holter Monitoring. *Circulation 2006;II-473:2314*
16. Aysha Arshad, Dan Musat, Delia Cotiga, **Emad Aziz**, Omar Wever- Pinzon, Farooq Chaudhry, Jonathan S Steinberg. Comparison of Intracardiac Ultrasound of Pulmonary Vein Flow with Transthoracic Echocardiogram for Diastolic Dysfunction Diagnosis. *Accepted as poster in AHA 2006*.
17. Delia Cotiga, Raffay Khan, **Emad Aziz**, Arti Shah, Tina Sichrovsky, Walter Pierce, Aysha Arshad, Suneet Mittal, Jonathan S. Steinberg. Correlation of Clinical Response to Innefective Biventricular Capture as Determined by 12-lead Holter in Patients with Heart Failure and Atrial Fibrillation. *Submitted to ACC 2007*
18. **Emad F. Aziz**, Jacqueline Tamis-Holland, Sripal Bangalore, Dan Musat, Zlata Platzman, Deborah Tormey, Ashraf Fawzy, Galen Leung, Eyal Herzog, David L. Coven, Mun K. Hong. Role of Renal Function in Vascular Access Complication Rates in Patients Undergoing Percutaneous Coronary Procedures using Arteriotomy Closure Devices. . *J. Am Coll Cardiol 2007; 49(9):1B, 9.3-212-6B*
19. **Emad F. Aziz**, Dan Musat, Delia Cotiga, Sripal Bangalore, Joseph Mathew, David Djebali, Jorge Silva, Ashraf Fawzy, Eyal Herzog, Aysha Arshad, Jonathan Steinberg. Complication Rate Following Device Implantation in Patients with Impaired Renal Function. *J Am Coll Cardiol 2007 49: 1A-41A*
20. **Emad F. Aziz**, Sripal Bangalore, Zlata Platzman, Dan Musat, Deborah Tormey, Galen Leung, Ashraf Fawzy, Sari Weissbard, Eyal Herzog, David L. Coven, Jacqueline Tamis-Holland, Mun K. Hong. Admission Glucose Levels is the Culprit in Vascular Access Complications in Patients Undergoing Percutaneous Transfemoral Coronary Procedures. *Presented at SCAI Meeting 2007*.
21. Sripal Bangalore, **Emad Aziz**, Ajay Shah, Seth Uretsky, Jorge Silva, Sanobar Parkar, Sabrina Sawhney, Donna MacMillan Marotti, Siu-Sun Yao, Farooq A. Chaudhry. Obesity Paradox in Risk Stratification and Prognosis of Patients Undergoing Stress Echocardiography. *J. Am Coll cardiol 2007;49(9):163A-164A*.
22. Sripal Bangalore, **Emad Aziz**, Jorge Silva, Sabrina Sawhney, Ajay Shah, Ramya Smitha Suryadevara, Shruthi Pranesh, Danny Pudpud, Naohiko Imai, Siu-Sun Yao, Farooq A. Chaudhry. Prognostic Gender Differences during Stress Echocardiography. *J. Am Coll cardiol 2007;49(9):149A-149A*.
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10. **Emad F Aziz**, Eyal Herzog. Risk Stratification for Sudden Cardiac Death after Acute Myocardial Infarction. *The CCU Survival Guide. Lippincott Williams & Wilkins, January 2012.*
11. **Emad F Aziz**, Eyal Herzog. Strategies for the Prevention and Treatment of Sudden Cardiac Arrest. *The CCU Survival Guide. Lippincott Williams & Wilkins, January 2012.*
12. Eyal Herzog, Fahad Javed, **Emad F Aziz**, Mun K Hong. Pathway for the Management of Acute Coronary Syndrome. *The CCU Survival Guide. Lippincott Williams & Wilkins, January 2012.*
13. Eyal Herzog, Edgar Argulian, **Emad F Aziz**, Marrick Kukin. Pathway for the Management of Acute Heart Failure. *The CCU Survival Guide. Lippincott Williams & Wilkins, January 2012.*
14. Eyal Herzog, Eitan Klein, **Emad F Aziz**, Janet Shapiro, Mun K Hong, Suneet Mittal. Pathway for the Management of Out-of-Hospital Cardiac Arrest. *The CCU Survival Guide. Lippincott Williams & Wilkins, January 2012.*
15. Edgar Argulian, Dan Halpern, **Emad F Aziz**, Eyal Herzog. Supraventricular Arrhythmias and Atrial Fibrillation. *The CCU Survival Guide. Lippincott Williams & Wilkins, January 2012.*

16. **Emad F Aziz**, Eyal Herzog. The Approach to the Patient with Syncope. The CCU Survival Guide. *Lippincott Williams & Wilkins, January 2012.*
17. Eric M Bader, Edgar Argulian, Eyal Herzog, and **Emad F Aziz**. Procedures to Treat Arrhythmias in the Cardiac Care Unit. The CCU Survival Guide. *Lippincott Williams & Wilkins, January 2012.*
18. Dan Halpern, Harikrishna Makani, Edgar Argulian, Balaji Pratap, **Emad F Aziz**, and Eyal Herzog. Commonly Used Medications for the Treatment of Arrhythmias. The CCU Survival Guide. *Lippincott Williams & Wilkins, January 2012.*

*Cardiology Oral Presentations:*

1. Catheter Ablation of VT Without Structural Heart Disease. *Cardiology Grand Rounds, St. Luke's-Roosevelt Hospital, 12/2011*
2. Improving Health Care Quality in an Insolvent System: Who will lead? *Medicine Grand Rounds, St. Luke's-Roosevelt Hospital, 9/2011*
3. Do Emergency Room Physicians Correctly Identify Patients Presenting with Unexplained Syncope who Warrant Hospitalization? *The International Academy of Cardiology 16th World Congress on Heart Disease Annual Scientific Session, Vancouver, B.C. Canada July 23-26, 2011.*
4. Arrhythmias in the Medical Intensive Care Unit. *Critical Care Clinical Conference, St. Luke's-Roosevelt Hospital, 5/2011*
5. Key Features in Implementing the ACAP Program; NINE Novel Pathways and Counting. *Medicine Grand Rounds, St. Luke's-Roosevelt Hospital, 5/2011.*
6. The ACAP Program Success. *Cardiology Grand Rounds, Wilkes-Barre General Hospital, PA 11/2010.*
7. Implementing a Hospital Wide Evidence-Based Clinical Pathways System for the Management of Cardiac Patients; the ACAP Program Experience. *ACS New York 2010 Symposium, 10/2010.*
8. Success in Implementing a Hospital Wide Evidence-Based Clinical Pathways System for the Management of Cardiac Patients; the ACAP Program Experience. *Medicine Grand Rounds 8/2010.*
9. Malnutrition as Assessed by Nutritional Risk Index is Associated with Worse Outcome in Patients Admitted with Acute Decompensated Heart Failure. *Jay N. Cohn New Investigator (JNCNI) Clinical/Integrative physiology Award, the 13<sup>th</sup> Annual Scientific Meeting of the HFSA 2009.*
10. Right Ventricular Dysfunction is a Strong Predictor of Developing Atrial Fibrillation in Acutely Decompensated Heart Failure Patients, ACAP-HF Data Analysis. *Winner abstract for the tenth annual Joan Barber Memorial Research Award. The New York Echo Society Meeting, June 2009.*
11. SCD Myth Busters, Insight from the ESCAPE Pathway. *Medicine Grand Rounds 4/2009*
12. The ACAP Program; Guidelines Implementation Tools. *Cardiology Department Montefiore-Einstein Heart Center. 3/2009*
13. Implementation of a Novel pathway for Management of Acute Coronary Syndrome Improves Guidelines Adherence and Remarkably Decrease Mortality and Readmission Rates at Four Years Follow up. *Cardiology Grand Rounds 3/2009.*
14. Continuous Infusion of Furosemide combined with Low Dose Dopamine Compared to Intermittent Boluses in acutely Decompensated Heart Failure Patients is Less Nephrotoxic and Carries a Lower Readmission at 30-days. *Cardiology Grand Rounds 3/2009.*
15. Right Ventricular Dysfunction is a Strong Predictor for developing Atrial Fibrillation in Acutely Decompensated Systolic Heart Failure Patients. *Cardiology Grand Rounds 3/2009.*

16. Sudden Cardiac Death Awareness Workshop Launch Date for the ESCAPE Pathway. *Workshop Training Program 1/2009*
17. The Failing Heart! Psychotropic Therapy Induced LBBB precipitating Severe LV Systolic Cardiomyopathy. *The Ninth Annual New Frontiers in Heart Failure Therapy, Integrated Devices and Pharmacotherapy Conference. January, 2009*
18. The Art and Science of Acute Coronary Syndrome Management. *Medicine Grand Rounds 8/2008*
19. The Art and Science of Heart Failure Management. *Medicine Grand Rounds 7/2008*
20. A Novel Pathway for the Management of Hyperglycemia Facilitates a Rapid Intensive Glycemic Control in Critical Care Patients Without Causing any Hypoglycemic Episodes. *AHA 2007 Orlando, Florida, Oral Presentation.*
21. Acute Management of In-Hospital Hypertension. *Multi-Disciplinary Pathways for ACS Management in the Big Apple 2007. Conference October 13, 2007.*
22. Management of In-Hospital Hypertension; a JNC Prospective. *Medicine Grand Rounds, July 2007*
23. Management of Syncope; Through a Novel pathway. *Medicine Grand Rounds, July 2007*
24. "Impact of a Novel Critical Pathway for the Management of Acute Coronary Syndrome leads to markedly improved Compliance with Guidelines and decreased Angina Symptoms at 12-month follow-up." *Cardiology Grand Rounds, March 2006.*
25. "Osteopathic Medicine & Cardiology; emphasis on Osteopathic Manipulative Treatment in Hypertension Management & in Critical Ill Patients in the Coronary Care Units". *Medicine Grand Rounds, 2005*
26. "Is BNP Testing of any Value or, is it a Sham?" *Senior Resident Lecture, Medicine Grand Rounds, March 2007*
27. "Cath Lab past, present & future". *SICP 1996*
28. "Cardiology in critical care; a view in post Cath care". *SICP 1997*
29. "Outcome of Stent deployment and proper vessel sizing", *Cardiovascular Symposium of Allied Health, 1996.*

*Cardiac Electrophysiology Oral Presentations:*

1. Inappropriate Sinus Tachycardia, Case Presentation, Management and Literature Review, *September, 2009*
2. Very Complex Case of Focal reentrant Left-atrial tachycardia and Peri-mitral atrial flutter that required ablation via endocardial and epicardial access, *November, 2009*
3. Common Isthmus-Dependent Atrial Flutter, *June 2010*
4. Atrioventricular Reciprocating Tachycardia, characteristics of AVRT & Concealed Bypass Tract ablation, *July 2010*
5. A Case of Persistent Left-Sided Post-Op Atrial Flutter & Determined Physicians, *August 2010*
6. Ventricular Arrhythmias in the Normal Hearts; Right-ventricular Outflow Tract RVOT & its Likeness, *August 2010*
7. Up-to-date Catheter Management of Atrial Fibrillation & its Modalities, *August 2010*

8. Lead Extractions: HCM Case with Abandoned Left-sided Leads and High DFTs (To Extract or Not), *September 2010*
9. M & M Conference (Upper extremity deep venous thrombosis, Tamponade during PVI, Arrest post DFT testing), *October 2010*
10. A baffling ECG (Atrial Tachycardia with 2:1 Atrioventricular Block), *October 2010*
11. Left-Sided Atrial Tachycardia, *November 2010*
12. AHA Presentations 2010, (*ROCKET-AF, SMART-AV, Omega-3*), *November 2010*
13. 5-Hour Case of Pacing Maneuvers in a Previously Failed ablation Case, Dual Arrhythmias, *December 2010*
14. M & M Conference (Delayed extraction, Tamponade) *December 2010*
15. CFAE & Updated 2011 Atrial Fibrillation Guidelines, *December 2010*
16. Focal Automatic VT arising at the border of a fibrotic post MI area, *January 2011*
17. What is the Reason beyond all this VT and ICD Shocks? Pro-arrhythmic ICD Leads & therapeutic VT ablation & discussion, *January 2011*
18. M & M Conference (A tangled catheter, Chest Pain after Flutter Ablation, High DFTs in renal patients) *March 2011*
19. A week of atypical tachycardiae, (The beauty of all Pacing Maneuvers), *February 2011*
20. Collection of Repetitive Monomorphic Ventricular Ectopy Originating from Aortic Cusps, *March 2011*
21. HRS 2011 Updates (*Discern-AF, CONFIRM*), *May 2011*
22. The HRS/ASA Consensus on the Perioperative Management of Patients with Implantable Devices, *May 2011*

Current Trials Participation: (Principle Investigator\*, Sub-investigator)

1. **(FINESSE Trial)** A multicenter randomized double blind, placebo-controlled trial comparing the efficacy and safety of Reteplase and Abciximab combination therapy with Abciximab alone administered early or just prior to primary percutaneous coronary interventions for acute myocardial infarction. Facilitated Intervention with Enhanced Reperfusion Speed to Stop Events **Sponsor:** *Centocor Inc.*
2. **(TRA-CER)** A multi-center, randomized, double-blind, placebo-controlled study to Evaluate the safety and efficacy of SCH 530348 in Addition to standard of care in subjects with Acute Coronary Syndrome: Thrombin Receptor Antagonist for Clinical Event Reduction in Acute Coronary Syndrome. **Sponsor:** *Schering-Plough.*
3. **(INTENSIVE)\*** A multi-center, phase 3b, stratified, randomized open-label clinical trial to evaluate the efficacy of Intensive Apidra® /Lantus® therapy versus Sliding Scale Insulin on infarct size in hyperglycemic subjects with Anterior STEMI (ST elevation myocardial infarction) undergoing PCI (Percutaneous coronary intervention). **Sponsor:** *Sanofi-Aventis.*
4. **(FIX-HF-5)** A randomized, placebo, controlled, unblinded trial to evaluate a new investigational system called OPTIMIZER for treating patients with heart failure. **Sponsor:** *Impulse Dynamics.*
5. **(IMPROVE-IT)\*** is an international, multi-center, randomized, double-blind active comparator trial that will enroll approximately 10,000 high risk patients with ACS, including unstable angina (UA),

non-ST-segment elevation acute myocardial infarction (NSTEMI) and ST-segment elevation acute myocardial infarction (STEMI). Patients will be randomized to either VYTORIN 10/40 mg or Simvastatin 40 mg per day. Patients will be followed for over two years. **Sponsor:** *Merck/Schering-Plough*.

6. **(CURRENT/OASIS7)** Randomized, Double-Blind, Dose Comparison, Factorial Assignment, Efficacy Study Clopidogrel Optimal Loading Dose Usage to Reduce Recurrent Events/ Optimal Antiplatelet Strategy for Intervention. **Sponsor:** *Sanofi-Aventis*.
7. **(PACE-MI)\*** Pacemakers and beta-blocker Therapy after Myocardial Infarction. Interventional, Treatment, Randomized, NIH funded, Open Label, Placebo Control, Parallel Assignment, and Efficacy Study. **Sponsor:** *NIHLB*.
8. **(COGENT-1)** A Randomized, Double-Blind, Double-Dummy, Parallel Group, Phase 3 Efficacy and Safety Study of CGT-2168 Compared With Clopidogrel to Reduce Upper Gastrointestinal Events Including Bleeding and Symptomatic Ulcer Disease. **Sponsor:** *Cogentis Pharmaceuticals*
9. **(OBSERV-ECG)\*** Non-randomized, prospective, observational multi-center study. Observational Study of the Sleuth Implantable ECG Monitoring System. **Sponsor:** *Transoma Medical*
10. **(BOAT)** Randomized, open label, dose comparison, parallel assignment, safety/efficacy study. Beta-Blocker Uptitration with OptiVol after CRT. **Sponsor:** *St. Luke's-Roosevelt Hospital*.
11. **(RED-HF)** Randomized, Placebo-Controlled, Multicenter Study to assess the efficacy and safety of Darbepoetin Alfa treatment on mortality and morbidity in Heart Failure subjects with symptomatic Left Ventricular Systolic Dysfunction and Anemia. Reduction of Events with Darbepoetin Alfa in Heart Failure. **Sponsor:** *Amgen*
12. **(TOPCAT)** Multi-center, international, randomized, double blind placebo-controlled trial of aldosterone antagonist spironolactone, in 4500 adults with heart failure and left ventricular ejection fraction of at least 45%. Treatment of Preserved Cardiac function heart failure with an Aldosterone antagonist. **Sponsor:** *NIHLB*.
13. **(REVERT)** Randomized controlled trial of cardiac resynchronization therapy (CRT) comparing conventional placement of Left ventricular lead vs. robotic placement. **Sponsor:** *Medtronic*.
14. **(SMART-AV)** Randomized, multicenter, double-blinded, non-significant risk, three-armed trial. Comparison of AV optimization Methods Used in Cardiac Resynchronization Therapy (CRT). **Sponsor:** *Boston Scientific*
15. **(AF-CRT)** The effect of Biventricular Pacing on the Incidence of Atrial Fibrillation. A Multi-center, prospective trial. **Sponsor:** *Boston Scientific*
16. **(ASPEN)** Test the efficacy of AF suppression algorithm in patients with implantable cardioverter defibrillators (ICD). **Sponsor:** *St. Jude Medical*
17. **(DETERMINE)** Defibrillators to reduce risk by magnetic resonance imaging evaluation in patients with coronary artery disease to help find other methods for identifying those who may be at risk for developing abnormal heart rhythms that might result in sudden cardiac death. **Sponsor:** *St. Jude Medical*.
18. **(RO4607381/JTT-705)** A phase III, double-blind, randomized placebo-controlled study, to evaluate the effects of dalcetrapib on cardiovascular (CV) risk in stable CHD patients, with a documented recent Acute Coronary Syndrome (ACS). **Sponsor:** *Roche*.
19. **(Echo-CRT)\*** A prospective, international, multicenter, double-blinded, randomized, parallel-group, controlled trial, to evaluate the effect of cardiac resynchronization therapy on mortality and morbidity of subjects with heart failure and narrow QRS width (<130 ms) and echocardiographic evidence of ventricular dyssynchrony. **Sponsor:** *BIOTRONIK*.

20. Pulmonary Vein Isolation Outcomes with Eicosapentaenoic acid (EPA) and Docosahexaenoic acid (DHA). **Sponsor:** *Glaxo Smith Klein.*
21. **(CABANA Trial)** Catheter Ablation versus Antiarrhythmic Drug Therapy for Atrial Fibrillation Trial. **Sponsor:** *NIHLB*
22. **(BLOCK-HF)** Biventricular versus Right Ventricular Pacing in Heart Failure Patients with Atrioventricular Block. A prospective, multi-center, randomized, double-blind, controlled trial. **Sponsor:** *Medtronic.*
23. **(MADIT-RIT)\*** Multicenter Automatic Defibrillator Implantation Trial: Reduce Inappropriate Therapy. **Sponsor:** *Boston Scientific.*
24. **(DETECT-AF)** A Placebo-Controlled, Double-blind, Randomized, Multi-Center Study to Assess the Effects of Dronedaron 400 mg for 12 Weeks on Atrial Fibrillation Burden in Subjects with Permanent Pacemakers. **Sponsor:** *Sanofi-Avantis.*
25. **AIGIS\*** Anti-Bacterial Envelope for Prevention of Infection Following Cardiac Rhythm Management Device Replacement With a Cardiac Resynchronization Therapy Device (**CRT-Centurion**) – A Multicenter, Prospective Registry. **Sponsor:** *TYRX, Inc.*
26. **(DRONE\_L\_04316)\*** The effect of Dronedaron on AF burden based on electrogram (EGM) data in subjects with a permanent pacemaker. **Sponsor:** *Sanofi-Avantis.*
27. **NAVISTAR THERMoCOOL\*** Catheter for the Radiofrequency Ablation of Symptomatic Paroxysmal Atrial Fibrillation, post Approval Registry PMA #P030031/S014. **Sponsor:** *Biosense Webster. Inc.*
28. **(PALLAS)** A randomized, double blind, placebo controlled, parallel group trial assessing the clinical benefit Dronedaron 400 mg BID on top of standard therapy in patients with permanent atrial fibrillation (PAF) and additional risk factors. **Sponsor:** *Sanofi-Avantis.*
29. Pulmonary Vein isolation for Rhythm Control in Patients with Atrial Fibrillation and Left Ventricular Dysfunction: A pilot Study. **Sponsor:** *Biosense Webster. Inc.*
30. **(RAID)\*** Ranolazine ICD Trial. Late Sodium Current Blockade in High-Risk ICD Patients University of Rochester. **Sponsor:** *National Institutes of Health (NIH).*

#### Research Grants Application:

1. **(ATACS-HTN)** Assessing Prevalence, Treatment modalities, clinical Outcome and Quality of life in Hypertensive patients presenting with Acute Coronary Syndrome Using Novel Pathway for the Management of In-Hospital HyperTension. **Sponsor:** Forest Research Institute, Inc. **Grant Amount:** \$15,000
2. **(ESCAPE)** Novel Pathway for low Ejection fraction and Sudden Cardiac death Awareness and Prevention Eligibility. **Sponsor:** St. Jude Medical & Medtronic. **Grant Amount:** \$ 14,000
3. **(E-STOP)** A Registry for the Evaluation of Syncope, its Diagnosis, Treatment, Outcome and Prognosis Using our SELF-Pathway. **Sponsor:** TRANSOMA Medical. **Grant Amount:** \$ 100,000
4. **(MOHCA)** Pathway for the Management of Survivors of Out of the Hospital Cardiac Arrest. **Sponsor:** ZOLL Systems. **Grant Amount:** \$ 10,000
5. **(CORE-AFIB)** Pathway for management of atrial fibrillation/flutter. **Sponsor:** Sanofi-Avantis **Grant Amount:** \$ 100,000