

Annual Report Of Academic Output Of Cardiovascular Research Fellows



Academic Year 2007-2008
(July 2007 – June 2008)

LARRY A. ALLEN, M.D. – CO-CHIEF FELLOW

TRAINING

Medical School (1997-2001) Harvard Medical School, Boston, MA
Internship/Residency (2001-2004) Massachusetts General Hospital, Boston, MA
Cardiology Fellowship (2004-2008) Duke University Medical Center, Durham, NC
Cardiovascular Research Fellow (2006-2008) Duke Clinical Research Institute, Durham, NC
Primary Research Mentors: Michael Felker, MD; Christopher O'Connor, MD

GRANTS

Ultrafiltration for the Prevention of Contrast-Induced Nephropathy

Principle Investigators: Larry Allen, MD, and Andrew Wang, MD

Funding: CHF Solutions

Role: Lead investigator

Dates: 2007-2010

Amount: \$120,000

Description: Industry grant to fund a 31-patient pilot study evaluating the potential benefit of ultrafiltration in hospitalized heart failure patients with renal dysfunction undergoing angiographic procedures.

T32 Training grant: 2006-2008. DCRI institutional award

AWARDS

National Institutes of Health Loan Repayment Program (2007-2009)

Pfizer Clinical Research Scholarship Endowment (2007)

QUANTITATIVE TRAINING

Clinical Research Training Program (Masters of Health Sciences in Clinical Research), Duke University, Durham, NC

E. MARC JOLICEUR, M.D., M.SC. – CO-CHIEF FELLOW

TRAINING

Medical School (1995-2000) University of Montreal, Quebec, Canada

Master of Science (1998-2001) University of Montreal, Quebec, Canada

Internship/Residency (2000-2003) Montreal University Health Center, Montreal, Canada

Cardiology Fellowship (2003-2006) Montreal University Center and Montreal Heart Institute, Quebec, Canada

Cardiovascular Research Fellow (2006-2008) Duke Clinical Research Institute, Durham, NC

Primary Research Mentor: Christopher Granger, MD

GRANTS

DCRI-Snyderman Fellowship Award

Project Title: Safety of Intracoronary Stem Cell Therapy

Funding: Montreal Heart Institute Foundation

Dates: 2006-2008

Description: Clinical Fellowship Grant

Cardiovascular Clinical Research Fellowship

Funding: Hoffman-Laroche, Canada

Dates: 2006-2008

Description: Funding for research fellowship grant at the Duke Clinical Research Institute.

QUANTITATIVE TRAINING

Clinical Research Training Program (Masters of Health Sciences in Clinical Research), Duke University, Durham, NC

MARK CHAN, M.D. – CO-CHIEF FELLOW

TRAINING

Medical School, MBBS (1994-1999) Yong Loo Lin School of Medicine, Singapore

Medical School, MMED (2002) Yong Loo Lin School of Medicine, Singapore

MRCP (2002) Royal College of Physicians, United Kingdom

Residency (2000-2003) National University Hospital, Singapore

Cardiology Fellowship (2003-2006) National University Hospital, Singapore

Cardiovascular Research Fellow (2006-2008) Duke Clinical Research Institute, Durham, NC

Primary Research Mentor: Richard Becker, MD

GRANTS

Singapore National Healthcare Group Health Manpower Development Award

Year: 2008

Amount: \$100,000

QUANTITATIVE TRAINING

Clinical Research Training Program (Masters of Health Sciences in Clinical Research), Duke University, Durham, NC

JEFFREY BERGER, M.D.

TRAINING

Medical School (1997-2001) Sackler School of Medicine, Tel Aviv, Israel

Internship/Residency (2001-2004) Beth Israel Medical Center, New York, NY

Chief Residency (2004-2005) Beth Israel Medical Center, New York, NY

Cardiology Fellowship (2005-2008) Duke University Medical Center, Durham, NC

Cardiovascular Research Fellow (2007-2008) Duke Clinical Research Institute, Durham, NC

Primary Research Mentor: Richard Becker, MD

GRANTS

Sex-Related Factors in Platelet Physiology, Reactivity, and Outcome

Funded by American Heart Association – 5 year (\$500,000) Fellow to Faculty Award

Attitude Towards Evidence-based Medicine in the Medical Community: A National Survey

Funding: Snyderman Award

Amount: \$5,000

AWARDS

Young Investigator Award, Third Annual Platelet Colloquium, Clinical Correlates of Platelet Reactivity: The Influence of Serotonin (2008)

QUANTITATIVE TRAINING

Masters of Science in Clinical Research, Albert Einstein College of Medicine, New York, NY – Completed before Fellowship

JASON N. KATZ, M.D.

TRAINING

Medical School (1996-2000) University of North Carolina at Chapel Hill, Chapel Hill, NC

Internship/Residency (2000-2004) University of Texas-Southwestern, Dallas, TX

Chief Residency (2004-2005) University of Texas-Southwestern, Dallas, TX

Cardiology Fellowship (2005-2009) Duke University Medical Center, Durham, NC

Cardiovascular Research Fellow (2007-2009) Duke Clinical Research Institute, Durham, NC

Primary Research Mentor: Richard Becker, MD

GRANTS

Ralph Snyderman Foundation – Project Grant

Project Title: Intra-aortic Balloon Counterpulsation for Refractory Ventricular Failure: Predictors of Hemodynamic Stability, Short- and Long-Term Mortality

Dates: 2008-2009

Graduate Medical Education Innovation Grant

Project title: Cardiopulmonary Interactions – A Multidisciplinary Initiative to Improve Healthcare Delivery to the Critically Ill at Duke University

Dates: 2008-2011

AWARDS

American Heart Association, Courand and Comroe (Council for Cardiopulmonary, Perioperative, and Critical Care) Young Investigator Award, Finalist (2008)

QUANTITATIVE TRAINING

Clinical Research Training Program (Masters of Health Sciences in Clinical Research), Duke University, Durham, NC

RENATO DELASCIO LOPES, M.D., PH.D.

TRAINING

Medical School (1996-2000) Santo Amaro Medical School, Sao Paulo, Brazil

Internship/Residency (2000-2003) Paulista Medical School, Federal University of Sao Paulo, Brazil

Cardiology Fellowship (2003-2006) Paulista Medical School, Federal University of Sao Paulo, Brazil

Ph.D.(2003-2006) Paulista Medical School, Federal University of Sao Paulo, Brazil

Cardiovascular Research Fellow (2006-2009) Duke Clinical Research Institute, Durham, NC

Primary Research Mentor: Christopher Granger, MD

GRANTS

Snyderman Fellowship Award – Duke Clinical Research Institute

Project Title: Metabolomic Profiling of Peripheral and Coronary Sinus Blood in a Porcine Ischemia-Reperfusion Model

Time Frame: One year

Amount: \$10,000

QUANTITATIVE TRAINING

Clinical Research Training Program (Masters of Health Sciences in Clinical Research), Duke University, Durham, NC

JONATHAN P. PICCINI, M.D.

TRAINING

Medical School (1998-2002) Northwestern University Medical School, Chicago, IL

Internship/Residency (2002-2005) Johns Hopkins Hospital, Baltimore, MD

Cardiology Fellowship (2005-2009) Duke University Medical Center, Durham, NC

Cardiovascular Research Fellow (2007-2009) Duke Clinical Research Institute, Durham, NC

Primary Research Mentors: Sana Al-Khatib, MD, MHS; Eric Peterson, MD, MHS

GRANTS

American College of Cardiology Foundation/Merck Research Fellowship Award

Project Title: Safety of Sotalol Pharmacotherapy in Patients with Atrial Fibrillation

Dates: 2008-2009

Amount: \$60,000

AWARDS

Society for Nuclear Medicine Cardiovascular Council Young Investigator Award (June, 2008)

QUANTITATIVE TRAINING

Clinical Research Training Program (Masters of Health Sciences in Clinical Research), Duke University

BIMAL R. SHAH, M.D., M.B.A.

TRAINING

Medical School (1997-2002) Duke University School of Medicine, Durham, NC

Internship/Residency (2002-2005) Stanford University Hospital and Clinics, Stanford, CA

Cardiology Fellowship (2005-2009), Duke University Medical Center, Durham, NC

Cardiovascular Research Fellow (2007-2009) Duke Clinical Research Institute, Durham, NC

QUANTITATIVE TRAINING

Masters of Business Administration, Fuqua School of Business, Duke University, Durham, NC – Completed before Fellowship

PUBLISHED MANUSCRIPTS AND BOOK CHAPTERS

FROM JULY, 2007 – JUNE, 2008

Adams GL, Mills JS, Melloni C, **Allen LA**, **Jolicoeur EM**, Wang T, **Chan MY**, Majidi M, **Lopes RD**. Highlights from the 56th Annual Scientific Sessions of the American College of Cardiology: March 25 to 27, 2007, Atlanta, Georgia. *American Heart Journal*, 2007; 154:247-59.

Allen LA, Yager JE, Jonsson Funk M, Levy WC, Tulsy JA, Bowers MT, Dodson GC, O'Connor CM, Felker GM. Discordance Between Patient-predicted and Model-predicted Life Expectancy in Ambulatory Heart Failure Patients. *Journal of the American Medical Association*, 2008;299:2524-2532.

Allen LA, Felker GM. Advances in the Surgical Treatment of Heart Failure (review). *Current Opinion in Cardiology*, 2008;23:249-53.

Allen LA, **Jolicoeur EM**, Melloni C, **Lopes RD**, **Chan MY**, Majidi M, **Piccini JP**, **Berger JS**, **Katz JN**, **Shah BR**. Highlights from American Heart Association, November 4 to 7, Orlando FL: Late-breaking Trials Summary. *American Heart Journal*, 2008;155:615-23.

Berger JS, Brown DL, Becker RC. Low-Dose Aspirin in Patients with Stable Cardiovascular Disease: A Meta-Analysis. *American Journal of Medicine*, 2008;121:43-49.

Berger JS, Stebbins A, Granger CB, Ohman EM, Armstrong PW, Van de Werf F, White HD, Simes RJ, Harrington RA, Califf RM, Peterson ED. Initial Aspirin Dose and Outcome Among ST-elevation Myocardial Infarction Patients Treated With Fibrinolytic Therapy. *Circulation*, 2008;117:192-199.

Bomma C, Dalal D, Tandri H, Prakasa K, Nasir K, Roguin A, **Piccini JP**, Dong J, Mahadevappa M, Tichnell C, James C, Lima JA, Fishman E, Calkins H, Bluemke DA. Evolving Role of Multidetector Computed Tomography in Evaluation of Arrhythmogenic Right Ventricular Dysplasia/Cardiomyopathy. *American Journal of Cardiology*, 2007;100:99-105.

Chan MY, Cohen MG, Dyke CK, Myles SK, Aberle LG, Lin M, Chronos N, Melloni C, Alexander JH, Harrington RA, Tonkens RM, Walden J, Steinhubl SR, Gilchrist IC, Kleiman NS, Vorchheimer DA, Becker RC, Rusconi CP. A Phase 1b Randomized Study of Antidote-Controlled Modulation of Factor IXa Activity in Patients with Stable Coronary Artery Disease. *Circulation*, 2008;117:2865-2874.

Chan MY, Rusconi CP, Alexander JH, Tonkens RM, Harrington RA, Becker RC. A Randomized, Repeat-dose, Pharmacodynamic and Safety Study of An Antidote-controlled Factor IXa Inhibitor. *Journal of Thrombosis and Haemostasis*, 2008;6:789-96.

Chan MY, Becker RC, Harrington RA, Peterson ED, Armstrong PW, White HD, Fox KA, Ohman EM, Roe MT. Non-Invasive Medical Management for Non-ST-elevation Acute Coronary Syndromes. *American Heart Journal*, 2007;155:397-407.

Chan MY, Becker RC, Mahaffey KW, Harrington RA, Roe MT. P2Y12 Inhibitors in the Management of Acute Coronary Syndromes. *Acute Coronary Syndromes*, 2007;8:114.

Felker GM, **Allen LA**, Pocock SJ, Shaw LK, McMurray JJV, Pfeffer MA, Swedberg K, Wang D, Yusuf S, Michelson EL, Granger CB. Red Cell Distribution Width As a Novel Prognostic Marker in Heart Failure: Data from the CHARM Program and the Duke Databank for Cardiovascular Diseases. *Journal of the American College of Cardiology*, 2007;50:40-7.

Jolicoeur EM, Wang T, **Lopes RD**, Ohman EM. Percutaneous Coronary Interventions in Patients with Heparin-Induced Thrombocytopenia (review). *Current Cardiology Reports*, 2007; 9(5):396-405.

Katz JN, Turer AT, Becker RC. Cardiology and the Critical Care Crisis: A perspective. *Journal of the American College of Cardiology*, 2007;49:1279-82.

Lee CH, Lim J, Low A, Zhang XL, Kyaing TT, **Chan MY**, Wong HB, Lim YT, Tan HC. Sirolimus-eluting, Bioabsorbable Polymer-coated Constant Stent (CuraTM) in Acute ST-elevation Myocardial Infarction—A Clinical and Angiographic Study (CURAMI registry). *Journal of Invasive Cardiology*, 2007;19:182-5.

Liao L, **Allen LA**, Whellan DJ. Economic Burden of Heart Failure in the Elderly (review). *Pharmacoeconomics* 2008;26:1-8

Lopes RD, Pieper KS, Horton JR, Al-Khatib SM, Newby LK, Mehta RH, Van de Werf F, Armstrong PW, Mahaffey KW, Harrington RA, Ohman EM, White HD, Wallentin L, Granger CB. Short- and Long-term Outcomes Following Atrial Fibrillation in Patients With Acute Coronary Syndromes With or Without ST-segment Elevation. *Heart*, 2008;94:867-73.

Lopes RD, Alexander JH. Thrombosis in the Field of Cardiology. *International Review of Thrombosis*, 2008;3:45-52.

Lopes RD, Alexander KP, Marcucci G, White HD, Spinler S, Col J, Aylward PE, Califf RM, Mahaffey KW. Outcomes in Elderly Patients With Acute Coronary Syndromes Randomized to Enoxaparin vs. Unfractionated Heparin: Results from the SYNERGY Trial. *European Heart Journal*, 2008;29:1827-33.

Lopes RD, Chan M, Melloni C, Joliceur EM, **Allen LA**, **Shah BR**, **Katz JN**, **Berger JS**, **Piccini JP**. Late-breaking Trials Summary from the 2008 American College of Cardiology Scientific Sessions, March 29 to April 1, Chicago, IL. *American Heart Journal*, 2008;156:7-12.

Piccini JP, Patel MR, Mahaffey KM, Fox KAA, Califf RM. Rivaroxaban, an Oral Direct Factor Xa Inhibitor. *Expert Opinion on Investigational Drugs*, 2008;17:925-37.

Poh KK, **Chan MY**, Yang H, Yong QW, Chan YH, Ling LH. Prognostication of Valvular Aortic Stenosis Using Tissue Doppler Echocardiography: Underappreciated Importance of Late Diastolic Mitral Annular Velocity. *Journal of the American Society of Echocardiography*, 2008;21:475-81.

Scheel PJ Jr., **Piccini JP**, Rahman MH, Lawler L, Jarrett T. Combined Prednisone and Mycophenolate Mofetil Treatment for Retroperitoneal Fibrosis. *Journal of Urology*, 2007; 178:140-3.

Shah BR, Glickman SW, Liang L, Gibler WB, Ohman EM, Pollack CV, Roe MT, Peterson ED. The Impact of For-profit Hospital Status on the Care and Outcomes of Patients With NSTEMI: Results from CRUSADE. *Journal of the American College of Cardiology*, 2007 50: 1462-8.

Tay E, **Chan MY**, Tan V, Sim LL, Tan HC, Yeo TC. Impact of Combination Evidence-based Medical Therapy on Mortality Following Myocardial Infarction in Elderly Patients. *American Journal of Geriatric Cardiology*, 2008;17:21-6.

Wassertheil-Smoller S, Kooperberg C, McGinn AP, Kaplan RC, Hsia J, Hendrix SL, Manson JA, **Berger JS**, Kuller LH, Allison MA, Baird AE. Lipoprotein-associated Phospholipase A2, Hormone Use and Risk of Ischemic Stroke in Postmenopausal Women. *Hypertension*, 2008;51:1-8.

FROM JULY, 2007 – JUNE, 2008

Allen LA, Rogers, JG, Warnica JW, DiSalvo TG, Hasan M, Tasissa G, O'Connor CM, Stevenson LW, on behalf of the ESCAPE Investigators and Coordinators. High Mortality Without ESCAPE: The Registry of Heart Failure Patients Receiving Pulmonary Artery Catheters Without Randomization. *Journal of Cardiac Failure*, 2008 (in press).

Allen LA, Milo-Cotter O, Filippatos G, Reisen LH, Bensimhon DR, Gronda EG, Colombo P, Davison B, Felker GM, Fontanella B, O'Connor CM, Cotter G, Dittrich H, Metra M, Velazquez EJ. The Natural Course of Symptoms and Signs During Hospitalization for Acute Heart Failure: The Measure-HF Registry. *Journal of Cardiac Failure*, 2008 (in press).

Allen LA, Felker GM. Multi-marker Strategies in Heart Failure: Clinical and Statistical Approaches. *Heart Failure Reviews*, 2008 (in press).

Becker RC, **Chan MY**, Howard E, Becker KC, Rusconi CP. Factor IXa Inhibitors. Therapeutics in Thrombosis and Thrombolysis, 3rd edition. Edited by Jane Freedman and Joseph Loscalzo, *Informa Healthcare*, 2008 (in press).

Becker RC, **Chan MY**, Shah SH, Levine SR. Coagulopathy and Stroke: Evaluation and Treatment. A Stroke Primer, 1st edition. Edited by Larry Goldstein. *American Heart Association*, 2008 (in press).

Berger JS, Bairey-Merz N, Redberg RF, Douglas PS. Improving the Quality of Care for Women with Cardiovascular Disease. Report of a DCRI Think Tank Meeting March 8-9, 2007. *American Heart Journal*, 2008 (in press).

Berger JS. Initial Aspirin Dose in ST-elevation Myocardial Infarction Patients. *Cardiology Review*, 2008 (in press).

Chan MY, Mahaffey KW, Sun LJ, Pieper KS, White HD, Aylward PE, Ferguson JJ, Califf RM, Roe MT. Prevalence, Predictors and Impact of Conservative Medical Management for Patients with Non-ST-Segment Elevation Acute Coronary Syndromes Who Have Angiographically Documented Significant Coronary Disease. *Journal of the American College of Cardiology: Cardiovascular Interventions*, 2008 (in press).

Chan MY, Becker RC. Identification and Treatment of Arterial Thrombophilia. *Current Treatment Options in Cardiovascular Medicine*, 2008 (in press).

Chan MY, Ong HY, Wong HB, Yeo TC. Prognostic Value of Left Atrial Size in Chronic Kidney Disease. *European Journal of Echocardiography*, 2008 (in press).

Katz JN, Harrington RA. Intravenous Glycoprotein IIb/IIIa Receptor Antagonists. In: Freedman JE, Loscalzo J, eds. New Therapeutic Agents in Thrombosis and Thrombolysis, 3rd Edition. *Informa Healthcare*, 2008 (in press).

Katz JN, Becker RC. The evolution of the coronary care unit: past, present, and future. In: Brown DL, Jeremias A, eds. *Cardiac Intensive Care*, 2nd Edition. WB Saunders, Co., 2008 (in press).

Lopes RD, Granger CB. Atrial Fibrillation in Patients with Acute Coronary Syndromes: Predictors and Clinical Outcomes. *Cardiology Review*, 2008 (in press).

Lopes RD, Granger CB. Beta Blockers for Acute Coronary Syndromes in the Post-COMMIT Era. *Acute Coronary Syndromes*, 2008 (in press).

Lopes RD, Chan MY, Newby LK. Novel Markers in Patients with Suspected ACS. Biomarkers in Heart Disease, 1st edition. Edited by James A. De Lemos, *American Heart Association*, 2008 (in press).

Lopes RD, Piccini JP, Hylek EM, Granger CB, Alexander JH. Antithrombotic Therapy in Atrial Fibrillation—Guidelines Translated for the Clinician. *Journal of Thrombosis and Thrombolysis*, 2008 (in press).

Peterson ED, **Shah BR**, Parson L, Pollack CB, French WJ, Gibson CM, Rogers WJ. Trends in Quality of Care for Patients with Acute Myocardial Infarction from 1990 to 2006: From the National Registry of Myocardial Infarction Database. *American Heart Journal*, 2008 (in press).

Piccini JP, Hernandez AF, Dai D, Thomas KL, Lewis WR, Yancy CW, Peterson ED, Fonarow GC. Utilization of Cardiac Resynchronization Therapy in Patients Hospitalized With Heart Failure. *Circulation*, 2008 (in press).

Piccini JP, Hranitzky PM, Kilaru K, Rouleau JL, White HD, Aylward PE, Van de Werf F, Solomon SD, Califf RM, Velazquez EJ. Relation of Mortality to Failure to Prescribe β -blockers Acutely in Patients with Sustained Ventricular Tachycardia and Ventricular Fibrillation Following Acute Myocardial Infarction (From the VALIANT Registry). *American Journal of Cardiology*, 2008 (in press).

Piccini JP, Berger JS, Brown DL. Increased Mortality in Patients with Early Sustained Ventricular Arrhythmias Complicating Acute Myocardial Infarction Despite Successful Percutaneous Revascularization. *American Journal of Medicine*, 2008 (in press).

Shah BR, Patel MP, Peterson ED, Douglas PD. Defining Optimal Research Study Design for Cardiovascular Imaging Using Computed Tomography Angiography as a Model. *American Journal of Cardiology*, 2008 (in press).

ABSTRACT PRESENTATIONS

FROM JULY, 2007 – JUNE, 2008

Allen LA, Yager JE, Tulskey JA, Bowers MT, Dodson GC, O'Connor CM, Felker GM. Factors Associated with an Optimistic Prognostic Outlook Among Heart Failure Patients. American College of Cardiology Scientific Sessions, 2008, Chicago, IL.

Allen LA, Turer AT, DeWald T, Gattis-Stough W, Cotter G, O'Connor CM. A Randomized, Open-Label, Controlled Trial of Furosemide By Continuous Infusion Versus Twice-Daily Injection for the Treatment of Acute Heart Failure. American College of Cardiology Scientific Sessions, 2008, Chicago, IL.

Allen LA, Rogers JG, Warnica JW, DiSalvo TG, Hasan M, Tasissa G, O'Connor CM, Stevenson LW. Who ESCAPED from Randomization to Receive A Pulmonary Artery Catheter? Characterization of the ESCAPE Registry. Heart Failure Society of America Scientific Sessions, 2007, Washington, DC.

Allen LA, Milo-Cotter O, Filippatos G, Reisen LH, Bensimhon DR, Gronda EG, Colombo P, Davison B, Felker GM, Fontanella B, O'Connor CM, Cotter G, Dittrich H, Metra M, Velazquez EJ. Dissociation of Patient and Physician Assessed Symptoms during Hospitalization for Acute Heart Failure: The Measure-HF Registry. Heart Failure Society of America Scientific Sessions, 2007, Washington, DC.

Berger JS, Bhatt DL, Cannon CP, Chen Z, Jones JB, Mehta SR, Sabatine MS, Steinhubl SR, Topol EJ, Berger PB. The Relative Safety and Efficacy of Clopidogrel in Women and Men: Meta-Analysis of 79,613 Patients Enrolled in CREDO, CURE, CLARITY-TIMI 28, COMMIT, and CHARISMA. American Heart Association Scientific Sessions, 2007, Orlando, FL.

Berger JS, Frye CB, Harshaw Q, Edwards FH, Steinhubl SR, Becker RC. Impact of Thienopyridines on Re-Operation Rates, Bleeding Outcomes and Hospitalization in ACS Patients Requiring CABG Surgery. American Heart Association Scientific Sessions, 2007, Orlando, FL.

Berger JS, Gallup D, Roe M, Armstrong PW, Simes RJ, White HD, Van de Werf F, Topol EJ, Granger CB, Harrington RA, Califf RM, Becker RC, Douglas PS. Sex-Based Differences in Mortality Following Acute Coronary Syndromes. American College of Cardiology Scientific Sessions, 2008, Chicago, IL.

Berger JS, Bhatt DL, Chen Z, Jones JB, Mehta SR, Sabatine MS, Steinhubl SR, Topol EJ, Berger PB. The Relationship Between Sex, Mortality and Cardiovascular Events Among Patients with Established Cardiovascular Disease: A Meta-Analysis. American College of Cardiology Scientific Sessions, 2008, Chicago, IL.

Chan MY, Rusconi CP, Alexander JH, Tonkens RM, Harrington RA, Becker RC. Antidote-Controlled Modulation of Factor IXa Activity with a First-in-Class Oligonucleotide Drug-Antidote Pair. American Heart Association Scientific Sessions, 2007, Orlando, FL.

Chan MY, Cohen MG, Rusconi CP, Alexander JH, Myles SK, Aberle LG, Lin M, Melloni C, Tonkens RM, Harrington RA, Becker RC. A First-in-Class Oligonucleotide Drug-Antidote Pair Efficiently Modulates Factor IXa Activity in Human Subjects. American Heart Association Scientific Sessions, 2007, Orlando, FL.

Chan MY, Mahaffey KW, Sun LJ, Pieper KS, White HD, Aylward PE, Ferguson JJ, Califf RM, Roe MT. Prevalence, Predictors and Impact of Conservative Medical Management for Patients with Non-ST-Segment Elevation Acute Coronary Syndromes Who Have Angiographically Documented Significant Coronary Disease. American Heart Association Scientific Sessions, 2007, Orlando, FL.

Katz JN, Shah BR, Volz EM, Horton JR, Shaw LK, Becker RC. Evolution of the Coronary Care Unit—Temporal Trends in Patient Characteristics, Resource Utilization and Outcomes. American Heart Association Quality of Care and Outcomes Research Conference, 2008, Washington, DC.

Lopes RD, Mahaffey KW, Harrington RA, Lan L, Armstrong PW, Topol E, Ohman M, Newby LM, Van de Werf F, White HD, Granger CB. Worse Outcomes Following Atrial Fibrillation in Patients with Acute Coronary Syndromes According to ST-Segment Elevation. European Society of Cardiology Scientific Sessions, 2007, Vienna, Austria.

Lopes RD, Marcucci G, White HD, Spinler S, Col J, Gulba DC, Aylward PE, Califf RM, Ferguson JJ, Mahaffey KW. Similar Association Between Age and Outcomes in High-risk ACS Patients Treated with Enoxaparin or Unfractionated Heparin. European Society of Cardiology Scientific Sessions, 2007, Vienna, Austria.

Lopes RD, Mahaffey KW, Harrington RA, Horton J, Armstrong PW, Newby LK, Ohman M, Van de Werf F, Al-Khatib SM, Wallentin L, Granger CB. Atrial Fibrillation is Independently Associated with a High Risk of Death in Patients with Acute Coronary Syndromes. American Heart Association Scientific Sessions, 2007, Orlando, FL.

Lopes RD, White HD, Hochman J, Horton JR, Van de Werf F, Ardissino D, Nielsen TT, Weaver WD, Widimsky P, Armstrong PW, Granger CB. New Onset Atrial Fibrillation Following Myocardial Infarction is an Independent Predictor of Mortality in Patients Treated with Primary Percutaneous Coronary Intervention. American College of Cardiology Scientific Sessions, 2008, Chicago, IL.

Piccini JP, Horton JR, Shaw LK, Al-Khatib SM, Iskandrian A, Borges-Neto S. SPECT Myocardial Perfusion Imaging is a Strong Predictor of Sudden Cardiac Death in Patients with Coronary Artery Disease. Society of Nuclear Medicine Scientific Sessions, 2008, New Orleans, LA.

Piccini JP, Hernandez AF, Dai D, Thomas KL, Lewis WR, Yancy CW, Peterson ED, Fonarow GC. Utilization of Cardiac Resynchronization Therapy in Patients Hospitalized with Heart Failure. American Heart Association Quality of Care and Outcomes Research Conference, 2008, Washington, DC.

Piccini JP, Pieper D, Solomon SD, Al-Khatib S, Van de Werf F, Pfeffer MA, McMurray J, Califf RM, Velazquez EJ. Predictors of Sudden Cardiac Death Change with Time After Myocardial Infarction: Results From the VALIANT Trial. American College of Cardiology Scientific Sessions, 2008, Chicago, IL.

Shah BR. Hospital variation and characteristics of ICD implantation in eligible patients with heart failure: Data from the GWTG-HF Registry. American Heart Association Quality of Care and Outcomes Research Conference, 2008, Washington, DC.

Shah BR. Trends in Quality of Care for Patients with Acute Myocardial Infarction from 1990 to 2006: from the National Registry of Myocardial Infarction Database. American College of Cardiology Scientific Sessions, 2008, Chicago IL.