

# CURRICULUM VITAE

Revised: 8/13/2011

## PERSONAL INFORMATION

Name: Gilbert Zoghbi

Citizenship: US Citizen

## RANK / TITLE

Rank: Assistant Professor of Medicine

Department: Medicine/ Division of Cardiovascular Disease  
University of Alabama at Birmingham

Business address: FOT 920  
1960 6th Avenue South  
Birmingham, AL- 35294

## HOSPITAL AND OTHER (NON ACACEMIC) APPOINTMENTS:

Hospital appointments: University of Alabama at Birmingham Hospital  
Birmingham VA Medical Center  
UAB Highlands Medical Center

**Principal Clinical Responsibilities:**

1. Attending general and interventional cardiologist, UAB hospital, 2008-present
2. Attending general and interventional cardiologist, BVAMC, 2008-present
3. Attending in echocardiography, UAB and BVAMC, 2003-present
4. Director, Cardiac Catheterization Laboratory, BVAMC, 2009-present
5. Director, Interventional Fellowship Training Program, UAB, 2009-present
6. Director, Chest Pain Center, UAB hospital, 2010-present
7. Consulting Cardiologist, UAB Hospital and The Kirklin Clinic, 2004-present
8. Attending cardiologist, UAB hospital, 2003-2007
9. Attending cardiologist, BVAMC, 2003-2007
10. Director, Cardiac Care Unit, BVAMC, 2003-2007

**EDUCATION:**

1988-1992 Bachelor of Sciences in Biology, American University of Beirut

1992-1996 Medical Doctor, American University of Beirut

**MEDICAL LICENSURE:**

Alabama License, No 23540, 2000-present

ACLS Certification, 1997- present

**BOARD CERTIFICATION:**

2000-2010 American Board of Internal Medicine (ABIM)

2003-2012 ABIM Cardiovascular Disease

2004-2014 Certification Board of Echocardiography

2004-2014 Certification Board of Nuclear Cardiology

2008-2018 ABIM Interventional Cardiology

2010-2019 The American Board of Vascular Medicine (ABVM), Diplomate in Endovascular Medicine

## **POSTDOCTORAL TRAINING:**

1996-1997	Internal Medicine Residency PGY1	American University of Beirut
1997-2000	Internal Medicine Residency PGY1-PGY3	Good Samaritan Hospital, Baltimore Johns Hopkins University Affiliate
1999-2000	Internal Medicine Residency Chief Medical Resident	Good Samaritan Hospital, Baltimore Johns Hopkins University Affiliate
2000-2003	Cardiovascular Disease Fellowship	University of Alabama at Birmingham
2007-2008	Interventional Cardiology Fellowship	University of Alabama at Birmingham

## **Additional Training:**

2007	Levels II & III Cardiac CT	Huntsville Heart Center
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## **ACADEMIC APPOINTMENTS:**

2010-present	Director, Chest Pain Center, University of Alabama at Birmingham	
2010-present	Scientist, Center for Cardiovascular Biology, University of Alabama at Birmingham	
2009-present	Director, Interventional Cardiology Fellowship Program, University of Alabama at Birmingham	
2009-present	Director, Cardiac Catheterization Laboratory, Birmingham VA Medical Center	
2003 present	Assistant Professor of Medicine, University of Alabama at Birmingham	
2003-2007	Director, Cardiac Care Unit, Birmingham VA Medical Center	

## **AWARDS/HONORS**

### **Undergraduate:**

American University Beirut  
Dean's Honor List, 1989-1991

### **Postgraduate:**

Outstanding Intern, American University of Beirut, 1996-1997

Outstanding Intern, Good Samaritan Hospital, 1997-1998

Outstanding Junior Resident, Good Samaritan Hospital, 1998-1999

Winner "3rd Annual Doctors' Dilemma Program", 1999,  
(competition among all training hospitals in Baltimore)

Outstanding Senior Resident, Good Samaritan Hospital, 1999-2000

Winner 2nd Scientific Poster Prize, Maryland ACP, 2000

Aventis Cardiology Fellow Scholarship, 2001

Nominee for the University of Alabama at Birmingham  
Outstanding Visitor Scholar Award, 2003

Winner of the 2003-2004 American Society of Nuclear  
Cardiology/Amersham Health, Inc. Clinical Research Award in  
Nuclear Cardiology, 2003

Winner of the 8th American Society of Nuclear Cardiology  
Symposium and Scientific Session Fujisawa travel grant  
award, 2003

### **Post-Fellowship:**

Finalist, Northwestern Cardiovascular Young Investigators'  
Forum, Chicago, 2006

Recognition Award: In Recognition of Your Support and  
Dedication to the Cardiology Fellows, UAB Fellows, 2006-  
2007

## **PROFESSIONAL SOCIETIES/ MEMBERSHIPS:**

- Society for Cardiovascular Angiography and Interventions
- Society for Vascular Medicine
- American Heart Association
- American College of Cardiology
- American Society of Echocardiography
- American Society of Nuclear Cardiology

### **Professional Societies' Titles:**

- 2005-present    Fellow of the American College of Cardiology (FACC)
- 2009-present    Fellow of the Society for Cardiovascular Angiography and Interventions (FSCAI)

### **COMMITTEES LOCAL:**

- 2011-present    SCAI Transradial Committee
- 2009-present    Division of Cardiovascular Disease Advisory Committee, University of Alabama at Birmingham
- 2009-present    Department of Medicine Education Committee, Fellowship Directors Subcommittee, University of Alabama at Birmingham
- 2009-present    Fellowship Advisory / Selection Committee, Division of Cardiovascular Disease, University of Alabama at Birmingham
- 2008-present    Quality assurance committee for the cardiac catheterization laboratory at the University of Alabama at Birmingham
- 2006-present    Institutional Board Review Committee, Birmingham VA Medical Center
- 2004-2007        Radiation Safety Committee Member, Birmingham VA Medical Center

**COMMITTEES NATIONAL:**

2011-present     SCAt Transradial Committee

**National Writing Committees**

1. Member of the Writing Committee: Reassessment of the Validity of the Universal Definition for MI following Coronary Revascularization (SCAt, 2011).
2. Member of the Writing Committee: SCAt Radial Best Practices Statement. (SCAt, 2011)

**UNIVERSITY ACTIVITIES:**

2010-present     Director, Chest Pain Center, University of Alabama at Birmingham

2009-present     Director, Interventional Cardiology Fellowship Program, University of Alabama at Birmingham

**EDITORIAL BOARD MEMBERSHIP:**

The Open Cardiovascular Imaging Journal, elected 10/2008

**PEER REVIEWER: JOURNALS**

1. American Journal of Cardiology
2. Echocardiography, A Journal of Cardiovascular Ultrasound and Allied Techniques
3. Heart
4. American Journal of Medical Sciences
5. Journal of Nuclear Cardiology
6. Journal of Invasive Cardiology
7. Acute Cardiac Care

**MAJOR RESEARCH INTERESTS:**

- Industry sponsored clinical research trials in the field of interventional cardiology.
- Outcomes research in percutaneous interventions.

**TEACHING EXPERIENCE:****Didactic Lectures:**

CCU Morning Report, UAB Department of Medicine

*(One hour didactic lectures for medical students and house staff while on the cardiology ward service)*

- Evaluation and management of valvular heart disease, 9/2008
- Adult congenital heart disease, 11/2008
- The basics of right heart catheterization, 2/2009
- Evaluation and management of unstable angina and non STEMI, 3/2009
- Adult congenital heart disease, 3/2009
- Acute coronary syndromes, 4/2009
- Introduction to peripheral vascular disease, 4/2009
- Introduction to peripheral vascular disease, 5/2009
- Adult congenital heart disease, 8/2009
- Adult congenital heart disease, 9/2009
- Adult congenital heart disease, 11/2009
- Unstable angina, 12/2009
- Adult congenital heart disease, 12/2009
- Unstable angina, 2/2010
- Interventional cardiology, 5/2010
- Valvular heart disease, 8/20/2010
- Acute MI, 9/22/2010
- Adult congenital heart disease, 11/12/2010
- Valvular heart disease, 11/24/2010

Introductory Cardiology Fellows' Lecture Series, UAB Division of Cardiovascular Disease

*(One hour didactic lectures for cardiovascular disease fellows)*

- How to prepare for the cardiology board, 8/2004
- Inotropes, pressors and vasodilators, 8/2004
- Inotropes, pressors and vasodilators, 8/2004
- Rest Myocardial Perfusion Imaging, 4/2006
- Inotropes, pressors and vasodilators, part 1, 8/2006
- Inotropes, pressors and vasodilators, part 2, 10/2006
- Inotropes, pressors and vasodilators, part 1, 8/2008
- Inotropes, pressors and vasodilators, part 2, 9/2008
- Management of chronic stable angina, 3/2009
- Invasive physiologic assessment of coronary lesions, 5/2009
- Introduction to the Cath Lab Part 1, 8/2009
- Inotropes, pressors and vasodilators, 8/2009
- Introduction to the Cath Lab Part 2, 8/2009
- Introduction to the Cath Lab Part 3, 9/2009
- Introduction to the Cath Lab Part 4, 9/2009
- Principles of Radiation Safety in the Cath Lab, 10/2009
- Introduction to the Cath Lab Part 1, 8/2010
- Introduction to the Cath Lab Part 2, 8/2010

- Introduction to the Cath Lab Part 3, 9/2010
- Introduction to the Cath Lab Part 4, 9/2010
- Introduction to the Cath Lab Part 5, 1/2011

Director and Moderator of the Cardiac Catheterization Noon Conferences, UAB Division of Cardiovascular Disease, 9/2009-present. (*Biweekly conferences for cardiovascular disease fellows: didactic lectures, case presentations and review of literature*)

Interventional Rounds, UAB Section of Interventional Cardiology  
(*One hour didactic lectures to interventional cardiology fellows*)

- Balloon angioplasty and stenting: the basics, 8/2008
- Antiplatelet therapy in the cath lab, part 1, 9/2008
- Antiplatelet therapy in the cath lab, part 2, 9/2008
- Hemodynamic evaluation of coronary artery lesions, 10/2008
- Complications in the cath lab, 11/2008
- The basics of intravascular ultrasound part 1, 4/2009
- The basics of intravascular ultrasound part 2, 5/2009
- Balloon angioplasty and stenting: the basics, 7/2009
- Antiplatelet therapy in the cath lab, part 1, 8/2009
- Antiplatelet therapy in the cath lab, part 2, 8/2009
- Complications in the cath lab, 9/2009
- Balloon angioplasty and stenting: the basics, 7/2010
- Hemodynamic evaluation of coronary artery lesions part 1, 2/2011
- Hemodynamic evaluation of coronary artery lesions part 2, 2/2011
- The basics of intravascular ultrasound part 1, 3/2011
- The basics of intravascular ultrasound part 2, 3/2011

### **Supervision and Teaching Activities:**

#### Interventional Cardiovascular Disease Fellows

- Cardiac catheterization laboratory at UAB, 2008-present

#### Cardiovascular Disease Fellows

- Cardiology consult service at UAB (2 week rotations), 2004-present
  - 7/2004-6/2005: 1 rotation
  - 7/2006-6/2007: 1 rotation
- Cardiology ward service at UAB (2 week rotations), 2008-present
  - 7/2008-6/2009: 6 rotations
  - 7/2009-6/2010: 6 rotations
  - 7/2010-1/2011: 5.5 rotations
- CCU rotation at the BVAMC (2 week rotations), 2004-2007, 2008-present

- 7/2004-6/2005: 8.5 rotations
- 7/2005-6/2006: 9 rotations
- 7/2006-6/2007: 9.5 rotations
- 7/2008-6/2009: 7 rotations
- 7/2009-6/2010: 4 rotations
- 7/2010-1/2011: 2 rotations
- Cardiac catheterization laboratory at UAB (1 day/week), 2008-present
- Cardiac catheterization laboratory at BVAMC (4 days/week), 2004-2007, 2008-present
- Echocardiography laboratory at BVAMC (1/2 day session/week), 2004-2007
- Outpatient cardiology clinics at BVAMC (1/2 day sessions/week), 2004-2007, 2008-present

### Internal Medicine Housestaff and Medical Students

- Cardiology consult service at UAB (2 week rotations), 2004-present
  - 7/2004-6/2005: 1 rotation
  - 7/2006-6/2007: 1 rotation
- Cardiology ward service at UAB (2 week rotations), 2008-present
  - 7/2008-6/2009: 6 rotations
  - 7/2009-6/2010: 6 rotations
  - 7/2010-1/2011: 5.5 rotations
- CCU rotation at the BVAMC (2 week rotations), 2004-2007, 2008-present
  - 7/2004-6/2005: 8.5 rotations
  - 7/2005-6/2006: 9 rotations
  - 7/2006-6/2007: 9.5 rotations
  - 7/2008-6/2009: 7 rotations
  - 7/2009-6/2010: 4 rotations
  - 7/2010-1/2011: 2 rotations

### **Preceptor to Medical Students:**

- Introduction to Clinical Medicine 2 (ICM) 2004-2005
- Introduction to Clinical Medicine 2 (ICM) 2005-2006
- Introduction to Clinical Medicine 1 (ICM) 2004-2005
- Introduction to Clinical Medicine 1 (ICM) 2005-2006
- Introduction to Clinical Medicine 1 (ICM) 2008-2009

### **MAJOR LECTURES AND VISITING PROFESSORSHIPS:**

- Alabama Chapter ACC Annual Meeting. Case Presentations, June 1, 2003, Sandestin -Florida
- Cardiology Grand Rounds, UAB. To brew or not to brew: that is the question. The effect of caffeine on adenosine myocardial perfusion imaging, June 8, 2005

- Cardiology Grand Rounds, UAB. The widow maker, June 9, 2010

## GRANT SUPPORT/ RESEARCH:

### Grant Support (Active)

Abbott Fund Cardiovascular Training Fellowship Grant

Agency: Abott

Period: 7/2010-6/2011

Amount: \$ 40,000

Principal investigator: Gilbert Zoghbi MD

### Grant Support (Past)

Effect of Caffeine On Ischemia Detection By Adenosine SPECT Perfusion Imaging (Winner of the 2003-2004 American Society of Nuclear Cardiology/Amersham Health, Inc. Clinical Research Award in Nuclear Cardiology).

Agency: Fujisawa

Period: 2003-2004

Amount: \$ 25,000

Principal Investigator: Gilbert Zoghbi, MD

### Clinical Trials (Active):

The USpella Registry: a multi-site, observational registry for collection of de-identified data for patients treated with the IMPELLA ® 2.5 Percutaneous Cardiac Support System.

Agency: Abiomed, Inc

Years: 11/2010-present

Local Principal investigator: Gilbert Zoghbi, MD (UAB)

BOSS CIN: Evaluation of Sodium Bicarbonate to Reduce Contrast-Induced Nephropathy (CIN) in Subjects with Advanced Chronic Kidney Disease (CKD) who are Undergoing Angiography.

Agency: MD Scientific, LLC

Years: 11/2010-present

Local Principal Investigator: Gilbert Zoghbi, MD (UAB)

COMPASS: Coronary Obstruction Detection by Molecular Personalized Gene Expression.

Agency: CardioDx, Inc)

Local Principal Investigator: Ami Iskandrian, MD (UAB)

Role: Co-Investigator

CYPRESS, P09-6301, DAPT and Non-DAPT: A prospective, randomized, multi-center, double-blind trial to assess the effectiveness and safety of different durations of dual anti-platelet therapy (DAPT) in subject undergoing percutaneous coronary intervention with the CYPHER Sirolimus-eluting coronary stent.

Agency: Cordis Corporation

Years: 8/2009-present

Local Principal Investigator: Vijay Misra, MD (UAB)

Role: Co-Investigator

EXAMINE SYR-322: A multicenter, randomized, double-blind, placebo-controlled study to evaluate cardiovascular outcomes following treatment with Alogliptin and addition to standard of care in subjects with Type 2 Diabetes and Acute Coronary Syndrome

Agency: Takeda Pharmaceutical Company

Years: 9/2009-present

Local Principal Investigator: Brigitta Brott, MD (UAB)

Role: Co-Investigator

The SIRIUS TRIAL

Agency: Cordis Corporation

Years: 07/15/04-12/31/15

Local Principal Investigator: Brigitta Brott, MD (UAB)

Role: Co-Investigator

GRAVITAS: Gauging Responsiveness with a VerifyNow Assay -Impact on Thrombosis and Safety

Agency: Accumetrics, Inc.

Years: 08/25/08-08/24/13

Local Principal Investigator: Vijay Misra, MD (UAB)

Role: Co-Investigator

A Multicenter, Randomized, Double-Blind, Placebo-Controlled Study to Evaluate the Safety and Efficacy of SCH530348 in Addition to Standard of Care in Subjects with a History of Atherosclerotic Disease: Thrombin Receptor Antagonist in Secondary Prevention of Atherothrombotic Ischemic Events (TRA 2 – P-TIMI 50)

Agency: Schering-Plough Corporation

Years: 12/11/07-12/10/12

Local Principal Investigator: Vijay Misra, MD (UAB)

Role: Co-Investigator

APPRAISE 2, Protocol CV185068: Apixaban for prevention of acute ischemic events-2 A phase 3 randomized evaluation of the safety and efficacy of Apixaban in patients with a recent acute coronary syndrome

Sponsor: Bristol-Myers Squibb

Years: 5/2009-present

Local Principal Investigator: Brigitta Brott, MD (UAB)

Role: Co-Investigator

CRISP AMI: Counter-pulsation reduces infarct size per PCI in acute myocardial infarction.

Agency: Datascope Corp.

Years: 1/2009-present

Local Principal Investigator: William Hillegass, MD (UAB)

Role: Co-Investigator

JOMED: Jomed Jostent Coronary Stent Graft used in an emergency situation due to perforation.

Agency: Abbott Vascular

Local Principal Investigator: William Hillegass, MD (UAB)

Role: Co-Investigator

JOMED: Jomed Jostent Coronary Stent Graft used in an emergency situation due to perforation.

Agency: Abbott Vascular

Local Principal Investigator: Gilbert Zoghbi, MD (BVAMC)

Radial Artery versus Saphenous Vein Grafts in Coronary Artery Bypass

Agency: VA, CSP trial

Local Principal Investigator: William Holman, MD (BVAMC)

Role: Co-Investigator

### Clinical Trials (Past):

PROTECT II: A prospective, multi-center, randomized controlled trial of the IMPELLA® RECOVER® LP 2.5 System versus Intra Aortic Balloon Pump (IABP) in Patients Undergoing Non Emergent High Risk PCI. (Highest enroller)

Years: 11/1/2007-2/2011

Agency: Abiomed, Inc

Local Principal investigator: Gilbert Zoghbi, MD (UAB)

VA Coronary Artery Revascularization in Diabetes Study (VA CARDS), CSP # 557

Agency: Veterans Administration

Local Principal investigator: Gilbert Zoghbi, MD

A Clinical Evaluation of the XIENCE PRIME and XIENCE PRIME LL Everolimus Coronary Stent System - SPIRIT PRIME study

Agency: Abbott Vascular

Local Principal Investigator: Vijay Misra, MD

Role: Co-Investigator

CardioMEMS Heart Sensor Allows Monitoring of Pressure to Improve Outcomes in NYHA Class III heart failure patients -CHAMPION trial

Agency: CardioMEMS Inc  
Local Principal investigator: Jose Tallaj, MD  
Role: Co-Investigator

TC-WYRE: I.AXUS Express Stents vs. Cypher Stent: What's Your Real Life Experience?

Agency: Boston Scientific  
Local Principal Investigator: Raed Aqel, MD (BVAMC)  
Role: Co-Investigator

A Multi-Center, Prospective, Randomized, Double-Blind, Placebo-Controlled Phase III Clinical Outcome Study to Examine the Long-term Safety and Efficacy of DG-031 in Reducing the Risk of Acute Cardiovascular Events by its Effect on Leukotrienes in African American Patients with Coronary Artery Disease and Leukotriene Gene Markers. The LTCAD Study.

Agency: deCODE Genetics  
Local Principal Investigator: Gilbert Perry, MD (BVAMC)  
Role: Co-Investigator

Investigator Initiated Research Studies (Active):

Outcomes of Patients Presenting with Acute Myocardial Infarction Due to Left Main Occlusion

Agency: National Cardiovascular Disease Registry-NCDR  
Principal Investigator: Gilbert Zoghbi, MD (UAB)

In-Hospital Outcomes of Patients With Low Left Ventricular Function Undergoing Rotational Atherectomy

Agency: none  
Principal Investigator: Gilbert Zoghbi, MD (UAB)

Investigator Initiated Research Studies (Past):

Prophylactic Nitroprusside Use in Vein Graft Interventions

Agency: None  
Principal Investigator: William Hillegass, MD (UAB)  
Role: Co-Investigator

Myocardial Perfusion Imaging with B-Methyl-p-[1231]-Iodophenyi-Pentadecanoic Acid (BMIPP) after Transient Balloon Occlusion during Percutaneous Coronary Interventions

Agency: None  
Principal Investigator: Raed Aqel, MD (BVAMC)  
Role: Co-Investigator



Agency: None  
Principal Investigator: Raed Aqel, MD (BVAMC)  
Role: Co-Investigator

#### Balloon Sizing Device to Predict Renal Artery Stent Diameter and Optimal Stent Deployment

Agency: Angiometrx, Inc.  
Principal Investigator: Raed Aqel, MD (BVAMC)  
Role: Co-Investigator

#### Renal Artery Stenosis: Medical Management vs. Revascularization

Agency: Cordis.  
Principal Investigator: Raed Aqel, MD (BVAMC)  
Role: Co-Investigator

#### Myocardial Perfusion Imaging to Evaluate for Ischemia after Successful Reperfusion

Agency: Astellas Pharma US  
Principal Investigator: Raed Aqel, MD (BVAMC)  
Role: Co-Investigator

#### Nitric Oxide Modified Lipids/Myeloperoxidase as Indicators of the Progression and Resolution of Acute Coronary Syndrome

Agency: None  
Principal Investigator: Raed Aqel, MD (BVAMC)  
Role: Co-Investigator

#### Trends in Cardiac Rehabilitations

Agency: None  
Principal Investigator: Gilbert Zoghbi, MD (UAB)

#### Effects of Adenosine on Brachial Artery Vasodilatation

Agency: none  
Principal Investigator: Ami Iskandrian, MD (UAB)  
Role: Co-Investigator

#### The Role of Mucomyst in Preventing Contrast Nephropathy, a Retrospective Study

Agency: none  
Primary investigator: William Hillegass, MD (UAB)  
Role: Co-Investigator

#### Effect of insulin on isolated rat heart contractility (using Langendorff's preparation) post dobutamine with and without L-NMMA (Nitric oxide synthase blocker)

Agency: Johns Hopkins University  
Years: 8/98-10/98  
Principal Investigator: Joshua Hare, MD  
Role: Co-Investigator

Effect of proadifen (Cyt P450 blocker) and glibenclamide (ATP dependent K channel blocker) on isolated rat heart contractility post dobutamine and isoproterenol with and without bradykinin and L-NMMA.

Agency: Johns Hopkins University  
Years: 8/98-10/98  
Principal Investigator: Joshua Hare, MD  
Role: Co-Investigator

## BIBIOGRAPHY:

### MANUSCRIPTS:(In chronological order)

#### I. Published Peer-Reviewed Original Research Papers

1. Aqel RA, Zoghbi GJ, Baldwin SA, Abo Auda WS, Calhoun DA, Coffey CS, Perry GJ, Iskandrian AE. *Prevalence of renal artery stenosis in high-risk veterans referred to cardiac catheterization.* J Hypertens 2003; 21(6):1157-1162.
2. Patel AD, Abo-Auda WS, Davis JM, Zoghbi GJ, Deierhoi MH, Heo J, Iskandrian AE. *Prognostic value of myocardial perfusion imaging in predicting outcome after renal trasnplantation.* Am J Cardiol 2003;92(2):146-151.
3. Zoghbi GJ, Patel A, Ershadi R, Heo J, Bynon J, Iskandrian A. *Usefulness of preoperative stress perfusion imaging in predicting prognosis after liver transplantation.* Am J Cardiol 2003;92(9):1066-1071.
4. Zoghbi GJ, Sanderson B, Breland J, Adams C, Schumann C, Bittner V. *Optimizing risk stratification in cardiac rehabilitation with inclusion of a comorbidity and risk factor index.* J Cardiopulm Rehabil 2004;24(1):8-13. (Featured as the continuing education article of the J Cardiopulm Rehabil issue and was commented on by an editorial by Tom LaFontaine titled "The Complexities of Predicting Risk in CVR Patients" pages 16-18.)
5. Aqel RA, Zoghbi GJ, Trimm JR, Baldwin SA, Iskandrian AE. *Effect of caffeine administered intravenously on intracoronary administered adenosine-induced coronary hemodynamics in patients with coronary artery disease.* Am J Cardiol 2004; 93(3):343-346.
6. Benza RL, Zoghbi GJ, Tallaj J, Brown R, Kirklin JK, Hubbard M, Rayburn B, Foley B, McGiffin D, Pinderski LJ, Misra V, Bourge RC. *Palliation of allograft*

*vasculopathy with transluminal angioplasty: a decade of experience. J Am Coll Cardiol* 2004;43:1973- 1981.

7. Mehta D, Baweja G, Venkataraman R, **Zoghbi GJ**, Htay T, Heo J, Nanda NC, Iskandrian AE. *Relation between effects of adenosine on brachial artery reactivity and perfusion pattern in patients with known or suspected coronary artery disease. Am J Cardiol*2005;95(2):304-307.
8. **Zoghbi GJ**, Htay T, Aqel R, Blackmon L, Heo J, Iskandrian AE. *Effect of caffeine on ischemia detection by adenosine SPECT perfusion imaging. J Am Coll Cardiol* 2006;47(11):2296-2302.
9. Aqel RA, Hage, FG, **Zoghbi GJ**, Tallaj JA, Misra VK, Bourge RC, MD *The Safety of Bivalirudin during Elective Percutaneous Coronary Interventions in Heart Transplant Patients.. Cardiol J* 2007;14:458-462.
10. Aqel R\*, **Zoghbi GJ\***, Bender LW, Scott JW, Baldwin JA, Heo J, Iskandrian AE. *Myocardial perfusion imaging after transient balloon occlusion during percutaneous coronary interventions. J Nucl Cardiol* 2007;14(2):221-228. [\*contributed equally to this work]
11. Patel K, Gupta H, Nath H, Aqel R, **Zoghbi GJ**, Soto B, Lloyd SG. *Origin of all three major coronary arteries from separate ostia in the right sinus of Valsalva: clinical, angiographic and MRI findings and incidence in a referral population. Catheter Cardiovasc Interv* 2007;69(5):711-718.
12. Hage FG, Smallheiser S, **Zoghbi GJ**, Perry GJ, Deierhoi M, Warnock D, Iskandrian AE, de Mattos AM, Aqel RA. *Predictors of survival in patients with end-stage renal disease evaluated for kidney transplantation. Am J Cardiol* 2007;100:1020-1025.
13. Aqel RA\*, **Zoghbi GJ\***, Hage FG, Dell'Italia, Iskandrian AE. *Hemodynamic evaluation of coronary artery bypass graft lesions using fractional flow reserve. Catheter Cardiovasc Interv* 2008;72:479-485. [\*contributed equally to this work]
14. Aqel RA\*, **Zoghbi GJ\***, Hage FG, Philips G, Perry G, Iskandrian AE, Dell'Italia L. *Feasibility of primary clot extraction prior to percutaneous coronary intervention in acute myocardial infarction. Catheter Cardiovasc Interv* 2008;71:870-876. [\* contributed equally to this work]
15. Aqel RA\*, **Zoghbi GJ\***, Hage FG, Dell'Italia L. *Three-dimensional balloon catheter sizing identifies significant underdeployed stents using conventional methods in renal artery interventions. J Invasive Cardiol* 2008;20:270-276. [\*contributed equally to this work]
16. Aqel R, Hage FG, **Zoghbi GJ**, Tabereaux P, Heo J, Perry G, Epstein A, Dell' Italia L, Iskandrian A. *Serial changes in infarct size after alcohol septal ablation in*

*hypertrophic cardiomyopathy: correlation with clinical status and pressure gradients.* Am J Cardiol 2008;101:1328-1333.

17. **Zoghbi GJ**, Goyal M, Hage F, Myers RP, Papapietro SE, Brott BC, Misra VK, Iskandrian AE, Hillegass WB. *Pretreatment with nitroprusside for microcirculatory protection in saphenous vein graft interventions.* J Invasive Cardiol 2009;21;34-39.

## II. Published Peer-Reviewed Review Articles

1. Aqel RA, **Zoghbi GJ**, Iskandrian AE. *Spontaneous coronary artery dissection, aneurysms and pseudoaneurysms: A review.* Echocardiography 2004;21(2):175-172.
2. **Zoghbi GJ**, Iskandrian AE. *Adenosine myocardial perfusion imaging.* Curr Med Imag Rev. 2006;2(3):315-327.
3. Aqel RA, Hage FG, Cogar B, Burri M, Wells B, Allison S, **Zoghbi GJ**, Perry G, Bittner V, Fan P, Nanda N. *Transthoracic echocardiography guided procedures in the catheterization laboratory.* Echocardiography 2007;24:1000-1007.
4. **Zoghbi GJ\***, Dorfman TA\*, Iskandrian AE. *State-Of-The-Art Paper: the effects of medications on myocardial perfusion.* J Am Coll Cardiol 2008;52:401-416. [\* contributed equally to this work]
5. Hage FG\*, Venkataraman R\*, **Zoghbi GJ\***, Perry GJ, De Mattos AM, Iskandrian, AE. *The scope of cardiovascular disease in patients with chronic kidney disease.* J Am Coll Cardiol 2009;53;2129-40. [\* contributed equally to this work]
6. **Zoghbi GJ**, Iskandrian AE. *Regadenoson myocardial perfusion imaging.* Imaging Med 2010;2:395-406.
7. Hillegass WB, Brott BC, Dobbs JC, Misra VK, **Zoghbi GJ**. *Oral antiplatelet therapy in diabetes mellitus and the role of prasugrel: an overview.* Vasc Health Risk Manag 2011;7: 4746-4761.

## III. Published Peer-Reviewed Case Reports

1. **Zoghbi GJ**, Iskandrian AE. *Evaluation of patients with ST elevation myocardial infarction.* American College of Cardiology case studies (Published online 5/13/03). [http://www.cardiosource.com/study/case\\_studies](http://www.cardiosource.com/study/case_studies) (Noninvasive cardiology)
2. **Zoghbi GJ**, Iskandrian AE. *Evaluation of patients with chest pain syndromes after CABG.* American College of Cardiology case studies (Published online 1/25/02). [http://www.cardiosource.com/study/case\\_studies](http://www.cardiosource.com/study/case_studies) (Noninvasive cardiology)

3. Nekkanti R, Nanda NC, **Zoghbi GJ**, Mukhtar O, McGiffin DC. *Transesophageal two and three-dimensional echocardiographic diagnosis of combined left ventricular pseudoaneurysm and ventricular septal rupture*. Echocardiography 2002;19(4):345-349.
4. **Zoghbi GJ**, Nanda NC, Baweja G. *Transesophageal and transpharyngeal echocardiographic detection of the extracranial segments of the left vertebral artery*. Am J Geriatr Cardiol 2003;12(2):113-116.
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9. Aqel R, Gupta R, Tallaj J, **Zoghbi GJ**. *Restenosis of a siro/imus-coated stent in a heart transplant recipient with allograft vasculopathy*. J Heart Lung Transplant 2005;24(9):1444.e9-1444.e11.
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11. Aqel R, Gupta R, **Zoghbi GJ**. *Thebesian venous lake*. Heart 2005;91(10):1318.
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14. Aqel R, Mehta D, **Zoghbi GJ**. *Percutaneous balloon pericardiotomy for the treatment of infected pericardial effusion with tamponade*. J Invasive Cardiol 2006;18(7):E194-E197.
15. Aqel R, Gupta R, **Zoghbi GJ**. *Brachytherapy for renal artery in-stent restenosis*. J Invasive Cardiol 2006;18(8):E227-E229.

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18. Aqel R, Hage F, **Zoghbi GJ**. *Percutaneous aortic valvuloplasty as a bridge to a high risk percutaneous coronary intervention*. J Invasive Cardiol 2007;19:E238-E241.
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20. Hage FG, Bravo PE, **Zoghbi GJ**, Bynon JS, Aqel RA. *Hypertrophic obstructive cardiomyopathy in liver transplant patients*. Cardiol J 2008;15:74-79.
21. Hage FG, **Zoghbi GJ**, Aqel RA, Nanda NC. *Subaortic stenosis missed by invasive hemodynamic assessment*. Echocardiography 2008;25:1007-1010.

#### IV. Published Letters to the Editor

1. Aqel R, **Zoghbi GJ**. *Radiation induced cardiac disease*. J Heart Lung Transplant. 2006;25(2):257-258.
2. **Zoghbi GJ**, Iskandrian AE. *Reply to "one" Starbucks coffee and nuclear SPECT to go*. J Am Coll Cardiol 2007;49:528-529.

#### V. Manuscripts Submitted for Publication

1. **Zoghbi GJ**, Misra VK, Brott BC, Papapietro SE, Dai D, Ou F, Wang TW, Klein LW, Messenger JC, Hillegass WB. *Acute myocardial infarction and left main culprit lesions: contemporary percutaneous coronary interventions outcomes: a report from the NCDR CathPCI Registry*. (submitted to JAm Coll Cardiol Intv, under review)

#### VI. Manuscripts Under Preparation

1. Reassessment of the validity of the universal definition for MI following coronary revascularization. (SCAI, in progress)
2. SCAI radial best practices statement. (SCAI, in progress)

3. **Zoghbi GJ**, Brott B, Misra V, Hillegass W. *Depressed left ventricular function carries a worse in-hospital outcome in patients undergoing rotational atherectomy.*

#### **BOOK CHAPTERS:**

1. **Zoghbi GJ**, Iskandrian AE. *Coronary artery disease detection: pharmacologic stress.* Zaret B, Beller G, editors. *Clinical Nuclear Cardiology: State of the Art and Future Directions.* 3rd edition. Elsevier Science, Inc. 2005, Chapter 14, 233-253.
2. **Zoghbi GJ**, Iskandrian AE. *Treadmill exercise testing.* Iskandrian AE, Garcia E, editors. *Nuclear Cardiac Imaging: Principles and Applications.* 4th edition. Oxford University Press. 2008, Chapter 14, 241-266.
3. **Zoghbi GJ**, Iskandrian AE. *Exercise myocardial perfusion imaging.* Iskandrian AE, Garcia EV, editors. *Nuclear Cardiac Imaging: Principles and Applications.* 4th edition. Oxford University Press. 2008, Chapter 15, 267-292.
4. **Zoghbi GJ**, Iskandrian AE. *Pharmacological stress testing.* Iskandrian AE, Garcia EV, editors. *Nuclear Cardiac Imaging: Principles and Applications.* 4th edition. Oxford University Press. 2008, Chapter 16, 293-315.
5. **Zoghbi GJ**, Iskandrian AE. *Screening asymptomatic patients for coronary artery disease.* Iskandrian AE, Garcia E, editors. *Nuclear Cardiac Imaging: Principles and Applications.* 4th edition. Oxford University Press. 2008, Chapter 34, 631-660.
6. **Zoghbi GJ**, Iskandrian AE. *Coronary artery disease detection: pharmacologic stress SPECT.* Zaret B, Beller G, editors. *Clinical Nuclear Cardiology: State of the Art and Future Directions.* 4rd edition. Elsevier Science, Inc. 2010, Chapter 15, 244-266.
7. **Zoghbi GJ**, Hillegass WB. *Adjunctive pharmacology during percutaneous coronary intervention.* Baliga R, editor. *Cardiology Board Review.* Chapter 44. (In press)
8. **Zoghbi GJ**, Iskandrian AE. *Stress approaches for myocardial perfusion imaging.* Bergman S, editor. *Cardiac Imaging: The Clinical Guide.* Humana Press, Inc, 2010. (In press)
9. **Zoghbi GJ**, Iqbal FM, Iskandrian AE. *Choice of stress test.* Iskandrian AE, Garcia M, editors. *Atlas of Nuclear Cardiology: An Imaging Companion to Braunwald's Heart Disease.* Elsevier Science, Inc. 2011, Chapter 5, 117-143.
10. **Zoghbi GJ**, Dubovsky EV, Iskandrian AE. *Use in stable patients with known or suspected coronary artery disease.* Iskandrian AE, Garcia M, editors. *Atlas of Nuclear Cardiology: An Imaging Companion to Braunwald's Heart Disease.* Elsevier Science, Inc. 2011, Chapter 6, 144-161.

11. **Zoghbi GJ**, Dubovsky EV, Iskandrian AE. *Patients with PC/ and CABG*. Iskandrian AE, Garcia M, editors. Atlas of Nuclear Cardiology: An Imaging Companion to Braunwald's Heart Disease. Elsevier Science, Inc. 2011, Chapter 8, 185-203.
12. **Zoghbi GJ**, Heo J, Iskandrian AE. *Patients with Acute Coronary Syndrome*. Iskandrian AE, Garcia M, editors. Atlas of Nuclear Cardiology: An Imaging Companion to Braunwald's Heart Disease. Elsevier Science, Inc. 2011, Chapter 9, 204-217.

#### **PUBLISHED ABSTRACTS:**

1. **Zoghbi GJ**, Misra VK, Brott BC, Papapietro SE, Dai D, Ou F, Wang TW, Klein LW, Messenger JC, Hillegass WB. *Non ST elevation myocardial infarction and left main culprit lesions: contemporary percutaneous coronary interventions outcomes: a report from the NCDR CathPCI Registry*. Catheter Cardiovasc Interven 2010;75:S110.
2. **Zoghbi GJ**, Misra VK, Brott BC, Papapietro SE, DiaD, Ou F, Wang TW, Klein LW, Messenger JC, Hillegass WB. *ST elevation myocardial infarction due to left main culprit lesions: percutaneous coronary intervention outcomes, on behalf of the ACC-NCDR CathPC/ Registry Participating Centers*. JAm Coli Cardiol 2010;55:A183.
3. Hillegass WB, Ershadi RE, Mayhew MA, Misra VK, Papapietro SE, Brott BC, **Zoghbi GJ**. *Hyperglycemia and contrast-induced acute kidney injury: threshold for injury*. JAm Coli Cardioi2010;55:A211.
4. Hillegass WB, Misra VK, Brott BC, Messenger JC, Klein LW, Wang TW, Papapietro SE, DiaD, Ou F, **Zoghbi GJ**. *Left main culprit lesion myocardial infarction in patients with prior coronary artery bypass grafting: percutaneous coronary artery intervention outcomes, on behalf of the ACC-NCDR CathPC/ Registry Participating Centers*. J Am Coli Cardiol 2010;55:A196.
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10. **Zoghbi GJ**, Goyal MK, Hage FG, Patel NJ, Brott BC, Misra VK, Myers PR, Hillegass WB. *Prophylactic sodium nitroprusside administration in saphenous vein graft intervention reduces post-procedural cardiac marker elevation.* Circulation 2006;114(18);Supplement 11-786.
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18. Gupta R, Aqel RA, Mehta D, Clay MA, **Zoghbi G**, Iskandrian AE. *Distribution of resting perfusion defects in hypertrophic cardiomyopathy.* J Nucl Cardiol 2005;12(4);8120.

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20. Sanderson B, **Zoghbi G**, Bittner V. *A comparison of comorbidity indexes and their classification of patients with coronary artery disease enrolled in cardiac rehabilitation*. J Cardiopulm Rehabil 2005;25:293.
21. Vengala S, Misra V, **Zoghbi GJ**, Ahmed S, Mehmood F, Patel V. *Early outcomes of rotational atherectomy in relation to left ventricular function*. Cardiovasc Revascul Med (in press).
22. **Zoghbi GJ**, Htay T, Aqel R, Blackmon L, Heo J, Iskandrian A. *Effect of caffeine on ischemia detection by adenosine SPECT perfusion imaging*. Circulation 2004;110(17):Supplement 111-684.
23. **Zoghbi GJ**, Aqel RA, Trimm J, Baldwin S, Iskandrian AE. *Effect of caffeine on fractional flow reserve*. J Am Coll Cardiol 2004;43(5):Supplement A 368A-369A.
24. Mirza S, Sanderson B, **Zoghbi GJ**, Bittner V. *Comparison of baseline characteristics and outcomes in caucasian versus african-american patients undergoing cardiac rehabilitation*. J Cardiopulm Rehabil 2003;23(5):370-371.
25. **Zoghbi G**, Ellis P, Heo J, Iskandrian A. *Left anterior descending artery perfusion patterns*. J Nucl Cardiol 2003;10(4):S23.
26. Ershadi R, **Zoghbi G**, Patel Amar, Heo J, Bynon S, Iskandrian A. *Outcome of patients after liver transplantation: prognostic role of stress perfusion imaging*. J Nucl Cardiol 2003;10(4):S23-S24.
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28. Abo-Auda W, **Zoghbi G**, Patel A, Hillegass W. *Interventional strategy in reducing cardiac enzyme elevations after percutaneous interventions of saphenous vein grafts*. Am J Cardiol 2002;105H-106H.
29. Abo-Auda W, **Zoghbi G**, Patel A, Hillegass W. *Thromboatherectomy during percutaneous saphenous vein graft intervention improves graft patency*. Am J Cardiol 2002;106H.
30. **Zoghbi G**, Sanderson B, Redden O, Bittner V. *Temporal trends in risk characteristics among patients enrolled in cardiac rehabilitation*. J Cardiopulm Rehabil 2002;22:359.

31. Benza R, Brown R, Kirklin J, Hubbard M, **Zoghbi G**, McGiffin D, Bourge R, Foley B. *Palliation of allograft vasculopathy with transluminal angioplasty- a decade of experience.* J Heart Lung Transplant 2002;21:74-75.
32. **Zoghbi G**, Sanderson B, Breland J, Adams C, Schumann C, Bittner V. *Risk stratification in cardiac rehabilitation.* Circulation 2001;104:11-799.
33. Donabedian M, Paolucci N, Varghese P, **Zoghbi G**, Vandegaer R, Hare J. Johns Hopkins Univ. *Insulin enhances nitric oxide attenuation of  $\beta$ -adrenergic stimulated myocardial contractility.* Circulation 2000; 102:503.

### **POSTER EXHIBITS**

- Maryland ACP regional meeting, Baltimore, Maryland, 5/13/1999.  
*The effect of glibenclamide on the contractility of hyperadrenergic isolated rat hearts.*
- Association of Program Directors of Internal Medicine, Philadelphia, Pennsylvania, 4/11/2000.  
*Handheld computers in an internal medicine residency: effects on sign outs.*
- Maryland ACP regional meeting, Baltimore, Maryland, 5/11/2000.  
*Handheld computers in an internal medicine residency: effects on sign outs.*  
(Winner of the second scientific poster prize)
- American Heart Association Scientific Sessions, Anaheim, California, 11/14/2001.  
*Risk stratification in cardiac rehabilitation.*
- American College of Cardiology, Alabama Chapter. Sandestin, Florida, 5/31/02.  
*Prevalence of renal artery stenosis in high-risk veterans referred to cardiac catheterization. (one of five finalist posters presented in the meeting)*
- Transcatheter Cardiovascular Therapeutics Annual Meeting, Washington DC, 9/24/02.  
*Interventional strategy in reducing cardiac enzyme elevations after percutaneous interventions of saphenous vein grafts.*  
*Thromboatherectomy during percutaneous saphenous vein graft intervention improves graft patency.*

- American Society of Nuclear Cardiology 2003 Annual Symposium and Scientific Session, Indianapolis, Indiana, 9/12/03.

*Left anterior descending artery perfusion patterns.*

*Outcome of patients after liver transplantation: prognostic role of stress perfusion imaging.*

- American College of Cardiology 53rd Annual Scientific Session, New Orleans, Louisiana, 3/9/04.

*Effect of caffeine on fractional flow reserve.*

- Society for Cardiovascular Angiography and Interventions, 29th Annual Scientific Sessions, Chicago, Illinois, 5/12/06.

*Prophylactic nitroprusside administration in saphenous vein graft intervention reduces the risk of periprocedural myonecrosis.*

- American Heart Association Scientific Sessions 2006, Chicago, Illinois, 11/15/2006.

*Prophylactic sodium nitroprusside administration in saphenous vein graft intervention reduces post-procedural cardiac marker elevation.*

- Society for Cardiovascular Angiography and Interventions, 32nd Annual Scientific Sessions, Las Vegas, Nevada, 5/6/2009.

*Depressed left ventricular function carries a worse in-hospital outcome in patients undergoing rotational atherectomy.*

- Society for Cardiovascular Angiography and Interventions, 33rd Annual Scientific Sessions, San Diego, California, 5/6/2010.

*Non ST elevation myocardial infarction and left main culprit lesions: contemporary percutaneous coronary interventions outcomes: a report from the NCDR CathPCI Registry.*

## **ORAL PRESENTATIONS**

### **Scientific papers presented at national meetings:**

1. American Association of Cardiovascular and Pulmonary Rehabilitation 11th Annual Meeting, Charlotte, North Carolina, 9/27/02.

*Temporal trends in risk characteristics among patients enrolled in cardiac rehabilitation.*

2. American Society of Nuclear Cardiology 9th Annual Scientific Session, New York, New York. ASNC / Amersham Health Award for Clinical Research in Nuclear Cardiology Presentation, 10/3/04.

*Effect of caffeine on ischemia detection by adenosine SPECT perfusion imaging. (Oral presentation)*

3. American Heart Association Scientific Sessions 2004, New Orleans, Louisiana, 11/10/04.

*Effect of caffeine on ischemia detection by adenosine SPECT perfusion imaging. (Oral presentation)*

4. Northwestern Cardiovascular Young Investigators' Forum (finalist) Northwestern University, Chicago, Illinois, 10/1/2006.

*Effects of loading conditions on left ventricular mechanics. (Oral presentation)*

5. American College of Cardiology 59th Annual Scientific Sessions, Atlanta, Georgia, 3/15/2010.

*ST elevation myocardial infarction due to left main culprit lesions: percutaneous coronary intervention outcomes.*