

# Hossein Eftekhari, MD

## Medical Education

09/1986-03/1993      Guilan School of Medicine, Guilan University of Medical Sciences, Iran  
Completed seven year curriculum, graduated Magna Cum Laude

## Advanced Training

09/1993-09/1997      Tehran University of Medical Sciences, Iran  
Residency Training in Cardiology  
Board Certified, Iranian Board of Cardiology

02/2000-09/2001      Tehran University of Medical Sciences, Iran  
Fellowship Training in Interventional Cardiology

07/2005- 06/2008      St. Luke's-Roosevelt Hospital, Columbia University College of Physicians  
and Surgeons, New York, NY  
Internship and Residency Training in Internal Medicine

08/2008- 06/2009      Internal Medicine Attending, Department of internal medicine,  
Harbor-UCLA

07/2009- 06/2012      Cardiology fellow, Baystate Medical Center, Tufts University School of  
Medicine, Springfield, MA

2012                      Peripheral vascular non-invasive/interventional training including lower  
and upper extremities, visceral vascular intervention and endovascular  
aortic repair, as well as non-invasive vascular studies at Baystate Medical

Center, Tufts University School of Medicine, Springfield, MA

07/2012- 06/2013      Interventional cardiology fellow, Baystate Medical Center, Tufts  
University School of Medicine, Springfield, MA

07/2013- Present      Interventional cardiology fellow, Cardiovascular Medical Associates,  
Downey, CA

### **Research and fellowship Positions**

- **Research Fellow**, Department of Cardiology, University of Texas-Houston, participating in research projects related to Vulnerable Plaque, 03/2002-06/2005.
- **Research Scientist**, Texas Heart Institute and MD Anderson Cancer Center, participating in research projects in both human and animal models related to Silent Myocardial Ischemia, Hypothermia, and Congestive Heart Failure, 03/2002-06/2005.
- **Clinical Observer Fellow**, Herman Memorial Hospital and Texas Heart Institute, in-patient and out-patient care, 03/2002-06/2005.
- **Clinical Observer Fellow**, Texas Heart Institute, Peripheral Vascular Disease and Intervention Suite, involving inpatient visits and patient selection for interventional procedures, device selection and the methods of their use, and post-operative follow up, OS/2002-12/2002

### **Professional Experiences**

- Clinical and Interventional Cardiology Attending at Milad, Bank Melli Iran, and Sasan Hospitals, Iran. • More than 3000 cases of cardiac catheterization
- More than 1000 cases of cardiovascular interventions including coronary artery angioplasty and stenting, mitral and pulmonary valvuloplasty, coarctoplasty, renal and peripheral arterial interventions
- Transthoracic and transesophageal echo cardiography
- Approximately 100 cases of permanent pacemaker implantation
- Limited electrophysiology and RF ablation
- Cardiac and peripheral Vascular CT level II trained at Harbor- UCLA, 2009

### **Academic Appointment**

07/2005- 06/2008 Clinical Instructor of Medicine, Columbia University College of Physicians and Surgeons, New York, NY

07/2009- 06/2013 Clinical Instructor of Medicine, Tufts University School of medicine

### **Papers & Presentations**

#### Articles and Manuscripts:

- Case Presentation; Eftekhari II, MD; Islam A, MD, MPH; Slawsky M, MD, PhD; Aortic valve fibroelastoma presenting with myocardial infarction. Catheterization and Cardiovascular Interventions. Volume 77, Issue 5, pages 716-719, 1 April 2011
- Manuscript; Hajilooi M, PhD; Tajik N, MD; Sanati A, MD; Eftekhari II, MD; Massoud A, MD. Association of the Phe206Leu allele of the L-selectin gene with coronary artery disease. *Cardiology*. 2006; 105(2): 113-8
- Review Article; Zarrabi AR, MD; Eftekhari II, MD; Casscelles SW, MD; Madjid M, MD. The Open-Artery Hypothesis Revisited. *Texas Heart Institute Journal*. 2006; 33:345-52
- Review Article; Eftekhari II, MD; Uretsky S, MD; Messerli FH, MD. Hypertension, Cognitive dysfunction, and Dementia. *Journal of the American Society of Hypertension*, 2007, Volume 1. Issue 2. Pages 135-144.
- Manuscript; Chaudhry FA, M.D; Bangalore S, M.D, MHA; Upadya S, MD; Puthumana J, MD; Eftekhari II, MD; Pudupud D, RDCS; Sehgal CH, PhD. Cross Sectional Imaging Identifies Flow Mediated Vasodilatation More Accurately Compare to Longitudinal Imaging. *J Am Soc Echocardiogr*. 2007 Jul 3.
- Vision Article; Ahmed AH, MD; Shankar KJ, MD; Eftekhari II, MD; Munir MS, MD; Robertson J, BS; Brewer A, BS, MBA; Stupin IV, MD, PhD, Casscells SW, MD. Silent Myocardial Ischemia: Current Perspective and Future Directions. Texas Heart Institute. *Experimental & Clinical Cardiology*. Winter 2007, Volume 12 Issue 4: 189-196 • Vision Article; Munir MS, MD; Ahmed AH, MD; Shankar KJ, MD; Payvar S, MD; Eftekhari II, MD; Brewer A, BS, MBA; Robertson J, BS; Stupin IV, MD, PhD, Casscells SW, MD. Recurrent Myocardial Ischemia and Infarct Extension: Improving Outcomes by Incorporating Advanced Physiologic Monitoring Systems in the Coronary Care Unit. Texas Heart Institute, Final review at *Current Cardiology Reviews* 2007; 3 [47: 274-282.
- Review Article; Eftekhari II, MD; Bangalore S, MD; Sehgal CM, PhD; Chaudhry FA, MD. Flow Mediated Dilatation: Review of Clinical Implications and Imaging

Techniques, St. Luke'sRoosevelt Hospital, Columbia University College of Physicians and Surgeons, New York, 2006.

- Manuscript; Ghassemi M, MD; Eftekhari II, MD; Rastegari Y, MD; et al. Primary (Direct) Coronary Stenting (Stenting without Predilation). Iranian Heart Association annual meeting, 2001 *Iranian Heart Journal*. 2001; 2(2): 19-22.
- Manuscript; Eftekhari II, MD; Ahmadi H, MD. Two-year Follow up of 25 Patients Receiving Aortic Homograft Valve, Imam Hospital, Tehran University of Medical Sciences, 1997.
- Manuscript; Eftekhari II, MD; Azarpyra M, MD. Frequency of Supra Ventricular Arrhythmias in Acute Myocardial Infarction. Guilan University of Medical Sciences, 1993.

#### Abstracts:

- ACC Abstract 2008- Extent of Inotropic Contractile Reserve predicts Degree of Reverse Remodeling following Cardiac Resynchronization Therapy. Ajay S. Shah, Eftekhari Hossein, Rawa Sarji, Sripal Bangalore, Rajeev Joshi, Sameer Ather, Hilal Ayub, Danny Pudupud, Sandhya Balaram, Jonathan S. Steinberg, Farooq A. Chaudhry
- ACC Abstract 2008- Concordance of Sites with Latest Activation and Epicardial Left Ventricular Lead Fixation is a Strong Predictor of Response to Robotically Implanted Cardiac Resynchronization Therapy. Ajay S. Shah, Rawa Sarji, Olga Kuteyeva, Sripal Bangalore, Ganesh Kamath, Shruthi Pranesh, Eftekhari Hossein, Donna Macmillan-Marotti, Sandhya Balaram, Jonathan S. Steinberg, Farooq A. Chaudhry, St. Luke's-Roosevelt Hospital Center, New York, NY
- ACC Abstract 2008- Inotropic Contractile Reserve by Dobutamine Predicts Post Cardiac Resynchronization Therapy Left Ventricular Ejection Fraction and Volumes. Ajay S. Shah, Rawa Sarji, Eftekhari Hossein, Bilal Ayub, Sameer Ather, Olga Kuteyeva, Zack Hillel, Donna Macmillan-Marotti, Sandhya Balaram, Jonathan S. Steinberg, Farooq A. Chaudhry, St. Luke'sRoosevelt Hospital Center, New York, NY
- ACC Abstract 2008- Comparison of Rest versus Stress induced Dyssynchrony as a Predictor of Response to Cardiac Resynchronization Therapy Ajay S. Shah, Valentin Suma, Eftekhari Hossein, Rajeev Joshi, Sameer Ather, Bilal Ayub, Ganesh Kamath, Danny Pudupudi, Jonathan S. Steinberg, Farooq A. Chaudhry, St. Luke's-Roosevelt Hospital Center, New York, NY
- Heart Failure Society of America- Shah AS, MD; Sarji R, MD; Eftekhari H, MD; DeRose J, MD; Steinberg JS, MD; Chaudhry FA, MD. Robotic Epicardial Left Ventricular Lead is Superior to Endovascular Implantation in Cardiac Resynchronization Therapy Responders. Heart Failure Society of America, 10th Annual Scientific Meeting, Seattle, W A
- New York Echocardiography Society- Shah AS, MD; Sarji R, MD; Bangalore S, MD; Eftekhari H, MD; DeRose J, MD; Steinberg JS, MD; Chaudhry FA, MD. Inotropic

Contractile Reserve is a Strong Predictor of Response to Cardiac Resynchronization Therapy. Received *Joan Barber Memorial award for best research abstract at New York Echocardiography Society- Research competition*. St. Luke's Roosevelt Hospital Center, Columbia University College of Physicians and Surgeons, New York, NY, 2006.

- ACC Abstract 2007- Shah AS, MD; Eftekhari H, MD; Sarji R, MD; Pierce WJ, MD; Maritti DM; Ayub B, MD; Shah A, MD; DeRose J, MD; Chaudhry FA, MD; Steinberg JS, MD. Differing Left Ventricular Contraction Pattern in patients With Right Ventricular Paced versus Native Left Bundle Branch Block: A 20 Strain Study. St. Luke's Roosevelt Hospital Center, Columbia University College of Physicians and Surgeons, New York, NY
- ACC Abstract presentation 2006- Shah AS, MD; Sarji R, MD; Eftekhari H, MD; Bangalore S, MD; DeRose J, MD; Steinberg JS, MD; Chaudhry FA, MD. Robotic Epicardial Cardiac Resynchronization is Superior to Endovascular Implantation in promoting reverse remodeling; *J Am Coll Cardiol* 2006; 47 (4): 12A.
- AHA Abstract 2006- Shah AS, MD; Suryadewara R, MD; Chiadika S, MD; Sarji R, MD; Eftekhari H, MD; Pudupud D; Marotti DM; Chaudhry FA, MD. Endothelial Dysfunction by Flow Mediated dilatation is a Marker of ischemic Response during Stress Echocardiography. St. Luke's Roosevelt Hospital Center, Columbia University College of Physicians and Surgeons, New York, NY
- ASE Abstract presentation 2006- Shah AS, MD; Sarji R, MD; Eftekhari H, MD; Yao SS, MD; Chaudhry FA, MD. Prognostic Value of Quantitative Transient Ischemic Left Ventricular Cavity Dilatation: Stress Echocardiography and Coronary Angiography study; *J Am Soc Echocardiography*. 2006; 19(5): 645
- ACC Abstract 2006- Bangalore S, MD; Shah AS, MD; Sarji R, MD; Ayub B, MD; Eftekhari H, MD; Shah S, MD; Yao SS, MD; Chaudhry FA, MD. Differential Prognosis Using Stress Echocardiography: Prediction of Myocardial Infarction versus Cardiac Death. St. Luke's Roosevelt Hospital Center, Columbia University College of Physicians and Surgeons, New York, NY
- ACC Abstract presentation 2006- Ahmed A, MD; Payvar S, MD; Munir SM, MD; Aboshady I, MD; Eftekhari H, MD; Shaik NA, MD; Mann DL, MD; Casscells SW, MD; Deswal A, MD. Low Body Temperature at Hospital Discharge is a Marker of Poor Prognosis in Patients with Congestive Heart Failure. Texas Heart Institute and VA Hospital, Baylor College of Medicine. American College of Cardiology Annual Meeting 2006
- TCT Abstract presentation 2005- Eftekhari H, MD; Payvar S, MD; Ahmed A, MD; Munir MS, MD; Asopa S, MD; Sadeghi N, MD; Reddy V, MD; Rasekh R, MD; Wilson JM, MD; Massumi A, MD; Casscells SW, MD. Coronary Sinus Temperature Changes during Myocardial Ischemia. TCT annual meeting, Washington DC, 2005.
- AHA Abstract presentation 2005- Chaudhry FA, M.D; Bangalore S, M.D, MHA; Upadya S, MD; Puthumana J, MD; Eftekhari H, MD; Pudupud D, RDCS; Sehgal CH,

PhD. Cross Sectional Imaging Identifies Flow-Mediated Vasodilatation More Accurately Compare to Longitudinal Imaging. 77th Scientific session of AHA, New Orleans, Louisiana

- TCT Abstract presentation 2004- Payvar S, MD; Eftekhari H, MD; Ahmed A, MD; Munir MS, MD; Asopa S, MS; Sadeghi N, MD; Reddy V, MD; Rasekh R, MD; Wilson JM, MD; Massumi A, MD; Casscells SW, MD. Coronary Sinus Temperature and Its Waveform Changes during Myocardial Ischemia: Candidate for Monitoring Devices, TCT annual meeting, Washington DC, 2004.

### **Oral Presentations:**

- **Eftekhari H, MD;** Ghassemi M, MD. Why Should We Stent? Comparison of the Coronary Stenting and Plain Balloon Angioplasty in 500 Cases with Six-months of Follow up, *13th International Congress of Geographic Medicine (Cardiovascular Diseases) 2000*.
- Ghassemi M, MD; **Eftekhari H, MD.** Repeat Balloon Dilatation for Symptomatic Patients with Severe In-Stent Restenosis and Strategy for Re-Dilatation, *13th International Congress of Geographic Medicine (Cardiovascular Diseases), 2000*.

### **Research Projects:**

- Effect of Remote Ischemic preconditioning on Incidence of Atrial Fibrillation in Patients Undergoing Coronary Artery Bypass Graft Surgery A Randomized Controlled Trial, Baystate Medical Center, 2010
- Cardiac Resynchronization Therapy: Stress Echo and Strain study. St. Luke's-Roosevelt Hospital Center, 2006.
- Myocardial ischemia causes temperature changes in the coronary sinus that correlate with other physiologic markers of ischemia. Texas Heart Institute, 2005.
- Coronary sinus temperature and pressure change during cardiac resynchronization therapy. Texas Heart Institute, 2005.
- Inflammatory markers measurement for detection of inflamed coronary atherosclerotic plaque. Texas Heart Institute, 2004.
- Myocardial Ischemia Causes Detectable Blood Temperature Change in the Coronary Sinus of Dogs. MD Anderson Cancer Center and Texas Heart Institute, 2004

### **Patent Submission:**

- Naghavi M, MD; Eftekhari H, MD; Casscells SW, MD. Dialysis System for Treatment of Vulnerable Patients and Methods of Use, University of Texas-Houston 2004
- Naghavi M, MD; Eftekhari H, MD; Casscells SW, MD. Dialysis apparatus for treatment of vulnerable patients, University of Texas-Houston 2004

### **Authorship:**

- Author of book chapter "Acute Coronary Syndrome" Springer- Verlag London 2008
- Epidemiology and Pathophysiology of Acute Coronary Syndrome.

### **Licensure and Certification**

**Board Certification:** American board certified internal Medicine, 2008  
American board certified echocardiography, 2011  
American board certified nuclear cardiology, 2012  
American board certified cardiac CT A, 2011  
Iranian board certified cardiology, 1997  
Iranian board eligible interventional cardiology, 2001

**License:** Medical License, California  
Medical License, Massachusetts

**ECFMG:** Certification # 649-021-3 (2005)

**USMLE Step I:** 95(236)

**USMLE Step II:** 99(248)

**USMLE Step III:** 87(211)

### **Society Membership**

- American Medical Association
- Massachusetts Medical Society
- Iranian Society of Atherosclerosis
- Iranian Heart Association
- Iranian Medical Council

### **Personal Interests**

Biking, Swimming, Kayaking, and Football

### **Languages**

English, Persian