

BIOGRAPHICAL SKETCH

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2.
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NAME Subhash Banerjee, MD	POSITION TITLE		
	Acting Chief of Cardiology, VA North Texas Health Care System Dallas, TX		
	Assistant Professor Internal Medicine Cardiology University of Texas Southwestern Medical Center		
EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
Minsk Medical Institute, USSR	MD	1986-1992	Medicine
SJH/Batra Hospitals, New Delhi, India	Internal Med	1992-1996	Internal Med
New York Hospital Medical Center Queens, NY	Residency IM	1996-1999	Internal Med
University of Iowa Hospitals and Clinics, IA	Card. Fellow	1999-2002	Cardiology
University of Iowa Hospitals and Clinics, IA	Inter. Card	2002-2003	Interventional Cardiology

A. Positions and Honors.**Positions and Employment**

2003-2004 Interventional Cardiologist, Mountain View Regional Medical Center, NM,
2004-present University of Texas Southwestern Medical Center, TX/Dallas VAMC, TX
2005-present Acting, Chief of Cardiology, Dallas VAMC, TX
2004-present Co-director Cardiac catheterization laboratory, Dallas VAMC, TX

Other Experience and Professional Memberships

Fellow of the American College of Cardiology
Fellow of the Society of Coronary Angiography and Interventions
Member of the American Heart Association
Member of the Society of Vascular Medicine

Honors

1992 Doctor of Medicine with Honors
1997-1998 Best Internal Medicine Resident Awards
1999 Joe Dwoek Teacher of the Year Award
2000 American Heart Association Post-doctoral Fellowship Award
2009 American Federation for Medical Research Annual Travel Award
2005 Cardiovascular Revascularization Therapy National Top Ten Abstract Presentation
2006 American College of Cardiology Emerging Faculty of the Year Program Nomination

Reviewer

Journal of Cardiology
Stem Cell
Arthritis and Rheumatism
Echocardiography
Journal of Surgical Research
IEEE
Biomaterials

Ministry of Health, Singapore

Invited Lectures and Presentations

June 2004	EPC Mobilization after PCI, UT Southwestern Cardiology Grand Round
March 2005	Brachial artery reactivity and EPC mobilization after LDL apheresis, UTSW Research
August 2005	Angina & MI, UTSW Medical student lecture series
May 2006	Intravascular Ultrasound, UT Southwestern Cardiology Grand Round
August 2006	Angina & MI, UTSW Medical student lecture series
November 2006	Fulfilling the mission and then stepping away, UTSW Internal Medicine Grand Rounds
December 2006	Fulfilling the mission and then stepping away, Univ. of Missouri Cardiology Grand Rounds
December 2006	Peripheral vascular disease and interventions, NY Hospital Med Ctr Queens, NY
June 2007	Presbyterian Hospital of Dallas, Lower extremity chronic total occlusion national course
August 2007	Presbyterian Hospital of Dallas, Lower extremity chronic total occlusion national course
August 2007	Angina & MI, UTSW Medical student lecture series
October 2007	Treatment of Chronic Angina, CV Therapeutics Invited Lecture

B. Selected peer-reviewed publications or manuscripts in press.

1. Gopal A, **Banerjee S**, Messineo F. Differential diagnosis of intracavitary tumors obstructing the right ventricular outflow tract. *Journal of American Society of Echocardiography* **2001**; 14: 937-40.
2. **Banerjee S**, Kerber R, Jagasia D. Asymptomatic Sinus of Valsalva Aneurysm. *J Am Soc Echocardiogr.* **2002** Jun;15(6):668-70.
3. Prasad A, **Banerjee S**, Brilakis E. Hemodynamic Consequence of Massive Air Embolism. *Circulation.* **2007** Jan 30;115(4):e51-3.
4. Brilakis ES, **Banerjee S**. Continuation of clopidogrel may be safe during bronchoscopy with biopsy? Letter to Editor, *Chest*, 16 September **2006**
5. Compton P, Zankar A, Adesanya A, **Banerjee S**, Brilakis E. Risk of Non-Cardiac Surgery after Coronary Drug-Eluting Stent Implantation. *American Journal of Cardiology, Am J Cardiol.* 2006 Nov 1;98(9):1212-3. Epub **2006** Sep 7.
6. **Banerjee S**, Keber R, Barnett M, Banerjee P, Jagasia D. Warfarin Therapy and Risk of Embolic Events in Elderly Stroke Patients with Aortic Atheroma. *Vascular Disease Management - ISSN: 1553-8036 - Volume 3 - Issue 5 - September 2006 - Pages: 339 – 344.*
7. **Banerjee S**, Brilakis ES, Roesle E, Phillips B, Lindsey H, Blewet C, Terada L. Circulating Endothelial Progenitor Cell Mobilization during Percutaneous Coronary Interventions. *Atherosclerosis.* 2006 Nov;189(1):70-5. Epub **2006** Jun 27.
8. **Banerjee S**, Michael Cho, Gupta S, Brilakis ES. Aberrant Takeoff of a Right Accessory Renal Artery, Identified during an Aortoiliac Intervention. *Vascular Disease Management - Volume 4 - Issue 1 - January 2007 - Pages: 4 - 5.*
9. Brilakis ES, Roesle M, **Banerjee S**. Stent deformation after catheter advancement through a recently deployed self-expanding stent: diagnosis, mechanism and correction. *J Invasive Cardiol.* **2007** Jan;19(1):46.
10. Brilakis ES, **Banerjee S**, Berger PB. Perioperative management of patients with coronary stents. *J Am Coll Cardiol.* **2007** Jun 5;49(22):2145-50.
11. Jason Lindsey, Brilakis ES, **Banerjee S**. Acute Coronary Syndrome due to Extrinsic Compression of the Left Main Coronary Artery in Patient with Severe Pulmonary Hypertension: Successful Treatment with Percutaneous Coronary Intervention. *Cardiovascular Revascularization Medicine* in press, Nov **2007**.
12. Anand Prasad, Brilakis ES, **Banerjee S**. Reproducibility of Intravascular Ultrasound Virtual Histology Analysis Cardiovascular Revascularization Medicine. *Cardiovascular Revascularization Medicine* in press, Nov **2007**.

13. Brilakis ES, Bilal Saeed, **Banerjee S**. Use of Drug-Eluting Stents in Saphenous Vein Aortocoronary Bypass Graft Lesions: a Critical Appraisal. *Catheterization and Cardiovascular Interventions* in review, July **2007**.
14. Dustin M. Boatman, Indu Varghese, Calvin T Peters, Jad Daye, Bilal Saeed, Aman Haider, Michele Roesle, **Banerjee S**, Brilakis ES. Prior coronary artery bypass graft surgery patients undergoing diagnostic coronary angiography have multiple uncontrolled coronary artery disease risk factors and a high incidence of major adverse cardiovascular events. *Catheterization and Cardiovascular Interventions* in review, August **2007**.
15. Indu Varghese, Dustin Boatman, Calvin Peters, Jad al Daye, Aman Haider, Michele Roesle, **Banerjee S**, Brilakis ES. Knowing the coronary artery bypass graft anatomy before diagnostic coronary angiography: impact on contrast, fluoroscopy, and catheter utilization. *Catheterization and Cardiovascular Interventions* in review, August **2007**.
16. Aman Haider, **Banerjee S**, Brilakis ES. Acute Pulmonary Edema due to Pacemaker-Induced Mitral Regurgitation. *Circulation* in review, August **2007**.
17. Amit Prasad, Anand Prasad, Indu Varghese, **Subhash Banerjee**, Emmanouil S. Brilakis. Prevalence and treatment of proximal left subclavian artery stenosis in patients referred for coronary artery bypass surgery. *International Journal of Cardiology*. Accepted for publication, August **2007**.
18. Brilakis ES, Khera A, McGuire DK, See R, **Banerjee S**, Murphy SA, de Lemos JA. Influence of Race and Sex on Lipoprotein-Associated Phospholipase A2 Levels: Observations from the Dallas Heart Study. *Atherosclerosis; in press*
19. Prasad A, Prasad A, Varghese I, Roesle M, **Banerjee S**, Brilakis ES. Prevalence and treatment of proximal left subclavian artery stenosis in patients referred for coronary artery bypass surgery. *Int J Cardiol; in press*
20. Prasad A, Compton PA, Prasad A, Roesle M, Makke L, Rogers S, **Banerjee S**, Brilakis ES. Incidence and treatment of arterial access dissections occurring during cardiac catheterization. *J Interv Cardiol; in press*
21. Lindsey JB, **Banerjee S**, Brilakis ES. Two "buddies" may be better than one: use of two buddy wires to expand an under-expanded left main coronary stent. *J Invasive Cardiol; in press*
22. Varghese I, Ummer A, Roesle M, **Banerjee S**, Brilakis ES. Recurrent late drug-eluting stent thrombosis upon discontinuation of antiplatelet therapy. *Cardiovasc Revasc Med; in press*
23. Brilakis ES, **Banerjee S**, Berger PB. The risk of drug-eluting stent thrombosis with noncardiac surgery. *Curr Cardiol Rep 2007;9:406-11*
24. Iturbe JM, **Banerjee S**, Brilakis ES. Exertional dyspnea due to spontaneous coronary artery dissection in a 55-year-man. *Heart 2007;93:12*
25. **Subhash Banerjee**, Alexander P. Compton, Roderick S Hooker, Daisha J Cipher, Andreas Reimold, Emmanouil S. Brilakis, Pooja Banerjee, Salahuddin Kazi, MD. Cardiovascular Outcomes in Male Veterans with Rheumatoid Arthritis (COVARA). Accepted, *American Journal of Cardiology*, Nov 2007.
26. Brilakis ES, de Lemos JA, Cannon CP, Wiviott SD, Murphy SA, Morrow DA, Sabatine MS, **Banerjee S**, Blazing MA, Califf RM, Braunwald E. Outcomes of Patients With Acute Coronary Syndrome and Prior Coronary Artery Bypass Grafting. Results (From the Pravastatin or Atorvastatin Evaluation and Infection Therapy [PROVE-IT-TIMI 22] and the Aggrastat to Zocor [A to Z] trials). *Am J Cardiol; in press*
27. Brilakis ES, **Banerjee S**. The "Proxis-Tornus" technique for a difficult to cross calcified saphenous vein graft lesion. *J Invasive Cardiol; in press*
28. Prasad A, Prasad A, Varghese I, Roesle M, **Banerjee S**, Brilakis ES. Prevalence and treatment of proximal left subclavian artery stenosis in patients referred for coronary artery bypass surgery. *Int J Cardiol; in press*
29. **Banerjee S**, Varthese C, Samuel J, Weideman RA, Little BB, Kelly KC, Rao SV, Reily RF, Brilakis ES. Prolonged Clopidogrel Use Following Percutaneous Coronary Intervention is Associated with Lower Mortality. *Am J Cardiol; in press*

C. Research Support

Ongoing Research Support

PolarCath® Cryoplasty versus Conventional Balloon Post-dilation of Nitinol Stents in the Superficial Femoral Artery.

Boston Scientific Research Grant. 8.5.2007

\$ 200,000/2yr

Role: PI

Clark R. Gregg fund, Harris Methodist Foundation Grant.

PI \$60,000/2yr

Prolonged Clopidogrel Use Following Percutaneous Coronary Intervention is Associated with Lower Mortality

EPC Mobilization after PCI

FY-2006-08 10.1.06-present

VISN 17 VA Career Development Award

\$100,000/2yr

Role: PI

The proposed research initiative is designed to study endothelial progenitor cell mobilization in peripheral blood in response to focal endovascular injury caused during percutaneous coronary intervention or PCI.

Development of Novel Biodegradable Stent

FY 2007-08 4.1.07-4.1.08

UT Southwestern-UT Arlington Bioengineering Grant Award

\$100,000.00/1yr

Role: Co-PI

The proposed research initiative is designed to study the feasibility of deployment of novel biodegradable polymeric endovascular stent in a porcine model.

Completed Research Support

Role of Syntaxin 4 in Regulated Exocytosis of Sodium through Epithelial Sodium Channels (ENaC)

FY 2000-01 10.1.00-9.30.01

AHA Postdoctoral Fellowship

\$36,000/yr

The completed research initiative investigated the role of syntaxin 4 in the expression of epithelial sodium channel and transduction of sodium current in an in vitro model.

Establishment of Cell Culture and Endovascular Laboratory

FY-2005-06 1.1.05-1.1.06

VA Research Cooperation Start-up Grant

\$20,000/yr

The research initiative was successful in establishing a cell culture and large animal endovascular laboratory for vascular and endothelial progenitor cell studies.

Grants in Submission/Review

Endothelial Progenitor Cell Mobilization and Plaque Modification (SuMMIT Trial).

VA Career Development Award. 7.5.2007

Role: PI

Mentor: Lance Terada, MD

The SOS-CSP (Stenting Of Saphenous vein grafts – Cooperative Study Program): a randomized-controlled trial of a polymer-based sirolimus-eluting stent vs. an uncoated cobalt-chromium bare metal stent in de novo saphenous vein graft lesions

VA Cooperative Study Group 8.1.2007

Role: Co-PI

PI: Emmanouil Brilakis

Current Ongoing National Multi-center Clinical Trial Participation:

1. Early ACS Trial: Millennium and Schering-Plough Initiate Clinical Trial With INTEGRILIN(R) (eptifibatide) Injection in Early Use Acute Coronary Syndrome Setting.
2. TOPCAT: Multi-center, international, randomized, double blind placebo-controlled trial of the aldosterone antagonist, spironolactone, in 4500 adults with heart failure and left ventricular ejection fraction of at least 45%, recruited internationally from over 200 clinical centers in the US, Canada, Russia, Republic of Georgia, Argentina, and Brazil.
3. ROCKET-AF Trial: A Prospective, Randomized, Double-Blind, Double-Dummy, Parallel-Group, Multicenter, Event-Driven Non-Inferiority Study Comparing the Efficacy and Safety of Once-Daily Oral Rivaroxaban (Bay 59-7939) with Adjusted-Dose Oral Warfarin for the Prevention of Stroke and Non-Central Nervous Systemic Embolism in Subjects with Non-Valvular Atrial Fibrillation.
4. CORAL: NIH sponsored multi-center randomized trial of renal artery stenting in patient with medically refractory hypertension.

Cardiovascular Research Team Support: PI: Subhash Banerjee, MD

1. Jepsin Samuel, MD: Senior research assistant, Full-time clinical research
2. Cyril Varghese, MS: Research intern, Full-time clinical research
3. Joseph McClellan: Research assistant, Full-time clinical research
4. Kimberley MacClellan: RN research
5. Daisha Cipher PhD: Statistician, part-time
6. Mark Wiedeman BA: Research IT and data management, part-time

Principal Investigator/Program Director (Last, First, Middle): Banerjee, Subhash MD.
