

UC Davis Medical Group Directory

Your guide to primary and specialty health-care providers



Patient information and
appointment assistance:

800-2-UCDAVIS
(800-282-3284)



Provider referral and
transfer assistance:

800-4-UCDAVIS
(800-482-3284)



UCDAVIS
MEDICAL GROUP

medicalgroup.ucdavis.edu

UC Davis Medical Group offers nationally renowned primary care and specialty expertise based at UC Davis Medical Center and multiple medical offices across the greater Sacramento region. Medical group physicians, nurse practitioners and clinical nurse specialists emphasize wellness and prevention, apply the latest knowledge to solve health problems and offer access to promising clinical trials, newly proven therapies and advanced technologies when needed.

FOR PATIENTS

Find a UC Davis physician, nurse practitioner or clinical nurse specialist

Consumer Resource Center: **800-2-UCDAVIS (800-282-3284)**

- General information about available providers and services
- Assistance with appointments and referrals
- Information about accepted insurance plans

Established UC Davis patients can also use the MyChart web-based portal to communicate with their care teams, request certain appointments and refills, access medical records and more.

FOR HEALTH PROFESSIONALS

Outpatient referrals and provider phone consultations

UC Davis Physician Referral Center: **800-4-UCDAVIS (800-482-3284) Option #2** Monday | Friday, 8 a.m. to 5 p.m. Or online (non-urgent) requests via referrals.ucdavis.edu

- Information about availability of specialty services
- Coordination and status of referrals to specialty services
- Assistance for provider-to-provider phone consultations with specialists

Acute interfacility transfers and after-hours consultations

24/7 Transfer Center: **800-4-UCDAVIS (800-482-3284)**

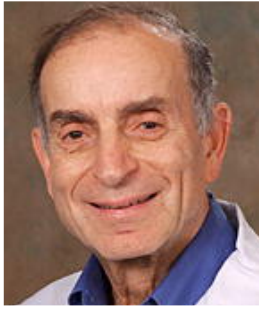
- Round-the-clock, R.N.-led coordination of acute interfacility transfers
- After-hours coordination of emergent provider-to-provider telephone consultations for complex or unusual cases
- transfer requests evaluated based upon clinical urgency, availability of resources and other factors

Referring physicians can receive real-time access to test results and clinical information for their patients at UC Davis through the PhysicianConnect online electronic medical record.



Ezra A. Amsterdam, M.D.

Clinical Interests	Ezra Amsterdam specializes in management of acute ischemic syndromes, identification and management of low-risk patients with chest pain (immediate treadmill testing, role of panic attack, GERD), post-myocardial infarction risk stratification and management, and prevention of coronary artery disease.
Research/Academic Interests	Dr. Amsterdam's research interests include: Coronary artery disease, clinical pharmacology, noninvasive cardiac testing, exercise physiology, testing and training, women and heart disease, and evaluation of low risk patients presenting to ED with chest pain.
Title	Distinguished Professor, Department of Internal Medicine Master Clinician Teacher Associate Chief (Academic Affairs), Division of Cardiovascular Medicine
Specialty	Cardiology , Cardiovascular Medicine , Internal Medicine
Department	Internal Medicine
Division	Cardiovascular Medicine
Clinic	UC Davis Heart Center
Center/Program Affiliation	Cardiovascular Services
Address/Phone	Lawrence J. Ellison Ambulatory Care Center, Cardiology Clinic, 4860 Y St. Suite 0200 Sacramento, CA 95817 Phone: 800-282-3284
Additional Phone	Physician Referrals: 800-4-UCDAVIS (800-482-3284)
Education	M.D., University of Rochester School of Medicine and Dentistry, Rochester NY 1962 B.A., Wesleyan University, Middletown CT 1958
Internships	Internal Medicine, Strong Memorial Hospital, University of Rochester, Rochester NY 1962-1963
Residency	Cardiology, Bronx Municipal Hospital Center, Albert Einstein College of Medicine, Bronx NY 1963-1965 Mt. Sinai Hospital, New York City NY 1966
Fellowships	Cardiology, Peter Bent Brigham Hospital & Harvard Medical School, Boston MA 1967-1968



Ezra A. Amsterdam, M.D.

Board Certifications American Board of Internal Medicine

Professional Memberships American College of Cardiology
American Heart Association
Preventive Cardiology - Founding Editor 1994-2005
Society of Cardiac Patient Care

Honors and Awards Walter Bleifeld Memorial Award, Distinguished contribution in the Field of Clinical Research in Cardiology, 2015
Outstanding clinician Award, Department of Internal Medicine, UCDMD, 2015
University of California, Davis, School of Medicine presents 2014 School of Medicine Research Award in recognition of Mentoring Medical Research Fellowship Student Phong Ha, Class of 2016, 2014
University of California, Davis, School of Medicine presents 2014 School of Medicine Research Award in recognition of Mentoring Medical Research Fellowship Student Debbie Chen, Class of 2016., 2014
CVD in women: A Fresh perspective? Seventh H.J.C. Swan Memorial Lecture, International Academy of Cardiology 18th World Congress on Heart Disease Annual Scientific Sessions 2013, Vancouver, BC, Canada, July 27, 2013

Select Recent Publications Richards JR, Garber D, Laurin EG, Albertson TE, Derlet RW, Amsterdam EA, Olson KR, Ramoska EA, Lange RA. Treatment of cocaine cardiovascular toxicity: a systematic review. Clin Toxicol (Phila). 2016 Feb 26:1-20.

Stauber SM, Teleten A, Li Z, Venugopal S, Amsterdam EA. Prognosis of Low-Risk Young Women Presenting to the Emergency Department With Chest Pain. Am J Cardiol. 2016 Jan 1;117(1):36-9.

Goyal A, de Lemos JA, Peng SA, Thomas L, Amsterdam EA, Hockenberry JM, Peterson ED, Wang TY. Association of Patient Enrollment in Medicare Part D With Outcomes After Acute Myocardial Infarction. Circ Cardiovasc Qual Outcomes. 2015 Nov;8(6):567-75.

Li Z, Amsterdam EA, Young JN, Hoegh H, Armstrong EJ. Contemporary Outcomes of Coronary Artery Bypass Grafting Among Patients With Insulin-Treated and Non-Insulin-Treated Diabetes.



Ezra A. Amsterdam, M.D.

Ann Thorac Surg. 2015 Dec;100(6):2262-9.

Sab S, Dhruva SS, Paulsen J, Sidhu RS, Amsterdam EA, Venugopal S. Here Today, Gone Tomorrow. Am J Med. 2015 Dec;128(12):e7-9.

Malik LH, Singh GD, Amsterdam EA. Chagas Heart Disease: An Update. Am J Med. 2015 Nov;128(11):1251.e7-9.

Anderson IB, Amsterdam EA, Srivatsa U. Not Necessarily a Myocardial Infarction: New Left Bundle Branch Block. Am J Med. 2015 Sep;128(9):963-5.

Malik LH, Singh GD, Amsterdam EA. The Epidemiology, Clinical Manifestations, and Management of Chagas Heart Disease. Clin Cardiol. 2015 Sep;38(9):565-9.

Winchester DE, Brandt J, Schmidt C, Allen B, Payton T, Amsterdam EA. Diagnostic yield of routine noninvasive cardiovascular testing in low-risk acute chest pain patients. Am J Cardiol. 2015 Jul 15;116(2):204-7.

Armstrong EJ, Anderson DR, Yeo KK, Singh GD, Bang H, Amsterdam EA, Freischlag JA, Laird JR. Association of dual-antiplatelet therapy with reduced major adverse cardiovascular events in patients with symptomatic peripheral arterial disease. J Vasc Surg. 2015 Jul;62(1):157-165.

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William J. Bommer, M.D.

Clinical Interests	<p>William J. Bommer's clinical interests focus on sonography (thoracic esophageal and gastric imaging) and intraluminal echocardiography. Dr. Bommer is evaluating risk factors for preclinical disease, morbidity and mortality in patients 65 or older.</p> <p>Projects involve computer simulation of blood-flow models in finite difference analysis, restenosis prevention with time-release oligonucleotide site-specific delivery, bronchial airway circulation, and new contract agents. He is the director of the California Off-Site PCI Program.</p>
Title	<p>Professor of Clinical Internal Medicine Director of Noninvasive Services Director, Cardiology Fellowship Training Program Director, California Elective PCI Program, California Department of Public Health</p>
Specialty	<p>Cardiology, Cardiovascular Medicine, Internal Medicine</p>
Department	<p>Internal Medicine</p>
Division	<p>Cardiovascular Medicine</p>
Center/Program Affiliation	<p>Cardiovascular Services</p>
Address/Phone	<p>Lawrence J. Ellison Ambulatory Care Center, Cardiology Clinic, 4860 Y St. Suite 0200 Sacramento, CA 95817 Phone: 800-282-3284</p>
Additional Phone	<p>Physician Referrals: 916-734-5678</p>
Education	<p>M.D., State University of New York School of Medicine, Buffalo NY 1972 B.A., Cornell University, Ithaca NY 1968</p>
Internships	<p>Internal Medicine, State University of New York, Buffalo NY 1972-1973</p>
Residency	<p>Internal Medicine, State University of New York, Buffalo NY 1973-1975</p>
Fellowships	<p>Cardiovascular Medicine, Martinez VA Hospital , Martinez CA 1975-1977</p>
Board Certifications	<p>American Board of Internal Medicine, 1975 American Board of Internal Medicine, Cardiovascular Disease, 1977</p>



William J. Bommer, M.D.

Professional Memberships

American College of Cardiology
American College of Physicians
Sacramento Sierra Yolo Medical Society

Honors and Awards

Best Doctors in Sacramento 2011, 2012, 2013, 2014, 2015
Best Doctors in America 2009, 2010, 2011, 2012, 2013, 2014, 2015

Select Recent Publications

Bommer WJ. California cardiovascular legislation 2014. *Rev Cardiovasc Med.* 2014;15(3):266-70.

Bommer WJ. Coronary revascularization: then, now, future trends. *Rev Cardiovasc Med.* 2014;15(2):176-7.

Smith TW, Bommer WJ. Multimodality imaging in transcatheter aortic valve replacement. *Rev Cardiovasc Med.* 2014;15(2):75-85.

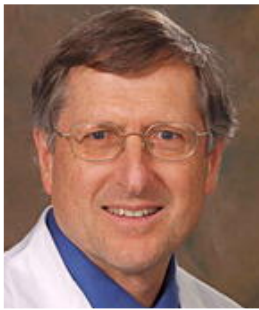
Bommer WJ. Choosing wisely. *Rev Cardiovasc Med.* 2013;14(2-4):e134-5.

Bommer WJ. Health care reform: what's wrong with 17.6% GDP? *Rev Cardiovasc Med.* 2013;14(1):66-8.

Bommer WJ. California ACC goals. *Rev Cardiovasc Med.* 2012;13(2-3):e121-3.

Bommer WJ. Current and future alternatives to warfarin for the prevention of stroke in atrial fibrillation. *Crit Pathw Cardiol.* 2012 Jun;11(2):45-54.

Aryana M, Li Z, Bommer WJ. Obesity and physical fitness in California school children. *Am Heart J.* 2012 Feb;163(2):302-12.



William J. Bommer, M.D.

Bommer WJ. Can docs bridge US over the cliff? *Rev Cardiovasc Med.* 2012;13(4):e196-7.

Bommer WJ. Use of angiotensin-converting enzyme inhibitor/angiotensin receptor blocker therapy to reduce cardiovascular events in high-risk patients: part 2. *Prev Cardiol.* 2008 Fall;11(4):215-22.

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W. Douglas Boyd, M.D.

Clinical Interests Dr. Boyd is recognized for his pioneering work in cardiothoracic surgery and for his use of robotic-assisted surgical systems. He specializes in minimally invasive cardiac and robotic-assisted heart surgery. He completed the world's first closed-chest, beating-heart coronary artery bypass surgery using a robotic system in 1999 and performed the first human extracellular matrix xenograft implant for cardiovascular repair several years later. Prior to his appointment as a professor of surgery at UC Davis Health System, Dr. Boyd served as chair of the Department of Cardiothoracic Surgery at the Cleveland Clinic in Florida. As the author of more than 50 peer-reviewed, journal articles, Dr. Boyd's research interests include cardiac tissue regeneration using extracellular matrix/stem cells, new techniques for robot-assisted minimally invasive coronary artery revascularization, valve surgery and telesurgery. He is a graduate of Carleton University and obtained his medical degree the University of Ottawa.

Title Professor, Department of Surgery

Specialty [Surgery - Cardiothoracic](#), Surgery - Robotic

Department [Surgery](#)

Division Cardiothoracic Surgery

Center/Program Affiliation [Cardiovascular Services](#)
[Robotic Surgery Program](#)

Address/Phone UC Davis Medical Center - Cypress Building, 2221 Stockton Blvd. Suite 2112 Sacramento, CA 95817

Phone: 800-2-UCDAVIS

Additional Phone Phone: 916-734-3861
Clinic Phone: 916-734-2160
Department Phone: 916-734-3528
Physician Referrals: 800-4-UCDAVIS (800-482-3284)

Education M.D., University of Ottawa, Ottawa, 1984
B.Sc., Carleton University, Ottawa, 1980

Professional Memberships American Heart Association
Bay Area Society of Thoracic Surgery



W. Douglas Boyd, M.D.

California Medical Association
Canadian Cardiovascular Society
Canadian Medical Association
Florida Medical Association
International Society for Minimally Invasive Cardiac Surgery
Ontario Medical Association
Society of Thoracic Surgeons

Honors and Awards

California Super Doctors, 2011
Florida's Top Doctors, Cardiothoracic Surgery, 2009
America's Top Doctors, Cardiothoracic Surgery, 2008
Good Housekeeping Top Cardiovascular Surgeon for women in the Nation, 2004
Best Scientific Presentation, International Society of Minimally Invasive Cardiac Surgery - Munich, Germany, 2001
Smithsonian Institute/Computer World Honours Award - Washington, DC 2001, 2001
Best Scientific Presentation, International Society of Minimally Invasive Cardiac Surgery - Atlanta, Georgia, 2000
American Medical Association, James S. Todd Memorial Grant For Highest Ranked Grant In Research Competition, 1999
Best Clinical Research Paper, International Society of Minimally Invasive Cardiac Surgery - Paris, France, 1999
Educating Future Physicians for Ontario Fellowship, to pursue formal training in Medical Education, 1993
University of Ottawa, Department of Surgery Award, for Outstanding Resident Teaching, 1991
University of Ottawa Department of Surgery Award,, for Excellence in Teaching, 1989
American College of Chest Physicians Award, for the Outstanding Presentation at the ACCP Affiliate forum; 53rd Annual - Atlanta, Georgia, 1987
E.I. Dupont Award, for the Outstanding Housestaff Presentation; American Medical Association Education and Research Foundation, Eastern Research Forum. University of Miami School of Medicine - Miami, Florida, 1987
C.H. Hand Memorial Scholarship, Carleton University, Ottawa, 1980

Select Recent Publications

W. Douglas Boyd, MD, William E Johnston III, MD., Parvez K. Sultan, MD, Thomas F Deering, MD, FACC, FACP, FHRS, Robert G. Matheny, MD, FACS Pericardial Reconstruction Using an Extracellular Matrix Implant Correlates with Reduced risk of Postoperative Atrial fibrillation in Coronary Artery



W. Douglas Boyd, M.D.

- Bypass Surgery Patients. *The Heart Surgery Forum* 13(5), 2010
- Christopher W. Nickum, W. Douglas Boyd, Richard J. Novick, Eugene H. Blackstone, Carolyn Apperson-Hanson, John A. McAuliffe. Division of the Brachioradialis Muscle: A Modification of the Current Technique in Endoscopic Radial Artery Harvesting. *The Heart Surgery Forum*, 8(6). 2005
- Bob Kiaii, MD, R. Scott McClure MD, Larry Stitt MSc, Reiza Rayman MD, Wojciech B. Dobkowski MD, George Jablonsky MD, Richard J. Novick MD. W. Douglas Boyd MD. A Prospective Angiographic Comparison of Direct, Endoscopic and Telesurgical Approaches to Harvesting the Internal Thoracic Artery. *Annals of Thoracic Surgery*. 2005
- Novaro GM, Cabrales RE, Boyd WD. Mitral Valve Papillary Fibroelastoma: Surgical Considerations. *Asian Cardiovascular Thoracic Annals* 2006, (14) 58-59. 2005
- Menkis A. H, Kodera K, Kiaii B, Swinamer S, Rayman R, Boyd, W. Douglas. Robotic Surgery, the First 100 Cases: Where Do We Go From Here? *The Heart Surgery Forum*, 7(7). 2004
- Donias HW, Schwartz T, Tang DG, DeAnda Jr A, Tabaie HA, Boyd DW, Karamanoukian HL. A Porcine Beating Heart Model for Robotic Coronary Artery Surgery. *Heart Surg Forum*, 6(6): 249-253. 2003.
- Novick R.J., Fox S.A., Kiaii B.B., Stitt L.W., Rayman R., Kodera K., Menkis, A.H., Boyd W.D. Analysis of the Learning Curve in Telerobotic Beating Heart Coronary Artery Bypass Grafting: A 90 Patient Experience. *Ann Thorac Surg*, (76) 749-753. 2003.
- Patel Y.R., Donias H.W., Boyd W.D., Pande R.U., Amodeo J.L., Karamanoukian R.L., D'Ancona G, Karamanoukian H.L. Are You Ready to Become a Robo-Surgeon? *American Surg*, 69(7): 599-603. 2003.
- Semere WG, Edwards TM, Boyd D, Barsoumian R, Murero M, Donias Karamanoukian HL. The World Wide Web and Robotic Heart Surgery. *Heart Surg Forum*, 6(6): E111-9. 2003
- Stahl K, Fromkin K, Bochenek A, Boyd W.D., Vassiliades T, Karamanoukian H, Cisowski M. Combined Angioplasty and Robotic Coronary Bypass Surgery in Multivessel Coronary Artery Disease. *J Am Col Cardiol*. 2003.
- Boyd W.D., Stahl K.D. A Perspective on a New Era of Computer-Enhanced Robotic Cardiac Surgery. *J Thoracic Cardiovasc Surg*, 126(4): 625-30. 2003.
- Boyd, W. Douglas. Robotic Surgery Using Zeus Micro-Wrist Technology. *Journal of Cardiac Surgery*, 18(1): 6-7. 2003.

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John G. Carson, M.D.

Philosophy of Care

Dr. Carson believes in complete, patient centered care for treatment and education of complex vascular disorders. Lifestyle modification and family teaching are an integral part of therapy goals.

Clinical Interests

Dr. Carson specializes in vascular and endovascular surgery, including treatment of carotid disease, complex aortic pathologies, and peripheral vascular disease. Dr. Carson also specializes in minimally invasive treatment of complex venous disorders. He has extensive training in angioplasty and stenting of mesenteric and peripheral vessels and endovascular treatment of complex aortic aneurysmal disease. Dr. Carson's research interests include; pathology of carotid artery disease, predictability of carotid plaque vulnerability based on current imaging modalities, and comparison of current therapy outcomes with various treatment techniques and modalities. Other interests include resident and medical student education and surgical skills training using simulation and models.

Specialty

[Surgery - Vascular and Endovascular](#), Vascular and Endovascular Care

Department

[Surgery](#)

Division

Vascular Surgery
UC Davis Medical Group, Roseville

Clinic

Vascular Surgery Clinic
UC Davis Medical Group, Roseville

Center/Program Affiliation

[Cardiovascular Services](#)
[UC Davis Medical Group](#)

Address/Phone

Lawrence J. Ellison Ambulatory Care Center, Vascular Surgery, 4860 Y St. Suite 3400 Sacramento, CA 95817

Phone: 916-734-3800

UC Davis Medical Group - Roseville (Douglas Boulevard), 2261 Douglas Blvd. Roseville, CA 95661

Phone: 916-783-7109

Additional Phone

Physician Referrals: 800-4-UCDAVIS (800-482-3284)

Education

M.D., F.A.C.S., University of Texas Medical School at Houston, Houston, Texas, 2002
B.S., Texas A&M University, College Station, Texas, 1996

Internships

University of California, Irvine, Orange, CA, 2002



John G. Carson, M.D.

Residency University of California, Irvine, Orange, CA, 2003

Fellowships University of Chicago, Chicago, Illinois, 2007

Board Certifications American Board of Surgery, 2008

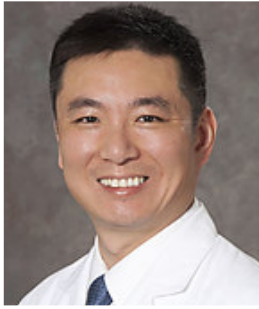
American Board of Surgery - Vascular Surgery, 2010

Professional Memberships American College of Surgeons

Peripheral Vascular Surgical Society

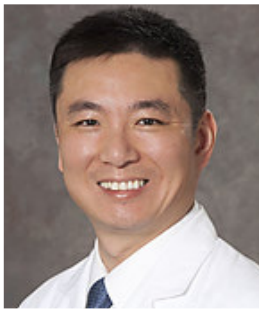
Society for Vascular Surgery

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Yung-Wei Willy Chi, D.O.

Clinical Interests	Dr. Chi is a nationally recognized expert in vascular medicine with clinical expertise on venous, arterial and lymphatic disorders. A prolific author and researcher, he has presented his research works and lectured at major national and international conferences. His research comprises all aspects of vascular medicine, focusing on vascular ultrasound imaging, anti-thrombotic therapy, cellular based/angiogenesis therapy for peripheral arterial disease, and venous diseases and interventions. As part of the first group of board-certified phlebologists in the U.S., Dr. Chi is a regional expert in catheter-based endovenous treatment of venous disorders.
Title	Associate Professor
Specialty	Cardiovascular Medicine , Internal Medicine, Vascular and Endovascular Care
Department	Internal Medicine
Division	Cardiovascular Medicine
Clinic	UC Davis Medical Group, Rocklin
Center/Program Affiliation	Cardiovascular Services Vascular Center
Address/Phone	Lawrence J. Ellison Ambulatory Care Center, Vascular Center, 4860 Y St. Suite 2100 Sacramento, CA 95817 Phone: 916-734-3800
	UC Davis Medical Group - Folsom, 251 Turn Pike Dr. Folsom, CA 95630 Phone: 916-985-9300
	UC Davis Medical Group - Rocklin, 550 West Ranch View Dr. Suite 2005 Rocklin, CA 95765 Phone: 916-295-5700
Additional Phone	Physician Referrals: 800-4-UCDAVIS (800-482-3284)
Languages	Mandarin Chinese
Education	D.O., Kansas City University of Medicine and Biosciences, Kansas City, Missouri, 1997 B.S., UC Irvine, Irvine, California, 1992



Yung-Wei Willy Chi, D.O.

Internships Cleveland Clinic Foundation, Cleveland, Ohio, 1998

Residency Cleveland Clinic Foundation, Cleveland, Ohio, 1998

Fellowships Cleveland Clinic Foundation, Cleveland, Ohio, 2001

Board Certifications American Board of Internal Medicine, 2000

American Board of Phlebology, 2009

American Board of Vascular Medicine, 2006

Honors and Awards Summa Cum Laude: Kansas City University of Medicine, 1997

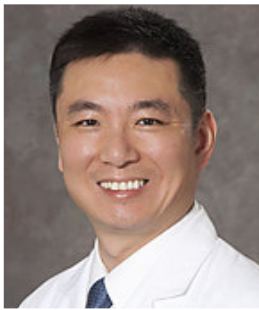
Sigma Sigma Phi: National Honorary Osteopathic Fraternity, 1995

Psi Sigma Alpha: National Osteopathic Honor Society, 1995

Kansas City University of Medicine Anatomy Award, 1994

University of California, Irvine, Deans Honor List, 1992

- Select Recent Publications**
- Anil Verma, Amit Prasad, Ghassan Elkadi, Yung-Wei Chi, Peripheral Arterial Disease: Comprehensive Evaluation, Optimal Risk Factor Modification and Medical Management, J Clin Outcomes Manag. 2011 Feb; 18(2):607-615
- Olusegun Osinbowale, Lobna Ali, Yung-Wei Chi. Venous Thromboembolism: A Clinical Review. Postgraduate Medicine, Volume 122, Issue 2, March 2010
- Yung-Wei Chi. The Halo Sign. Doppler Digest The Journal for Vascular Ultrasound 34(3):143-144, 2010
- Yung-Wei Chi, Michael R Jaff. Peripheral Artery Disease and Genetics: Is there a Cause-and-Effect Relationship? Postgraduate Medicine, Volume 22, Issue 4, July 2010
- Yung-Wei Chi, Olusegun O. Osinbowale. Herpes vasculitis in Systemic Lupus erythematosus. Images in Vascular Medicine. Vasc Med 2009 Nov;14(4):401-2
- Yung-Wei Chi, Christopher J. White, Stanley Thornton, Richard V. Milani. Ultrasound velocity criteria for renal in-stent restenosis. J Vasc Surg. 2009 Jul;50(1):119-23
- Olusegun O. Osinbowale, Yung-Wei Chi. Review of chronic venous Insufficiency. Endovascular Today. Sep. 2009
- Yung-Wei Chi, Carl J Lavie, Richard V. Milani, Christopher J. White. Safety and efficacy of cilostazol in the management of intermittent claudication Vasc MedVascular Health and Risk Management. 4(6) Dec. 2008.
- Chi YW, Jaff MR. Optimal risk factor modification and medical management of the patient with peripheral arterial disease Catheter Vasc MedCardiovasc Interv. 2008 Mar 1;71(4):475-89



Yung-Wei Willy Chi, D.O.

Yung-Wei Chi, Christopher J White, T Cooper Woods Corey Goldman. Ultrasound Velocity Criteria in Carotid in-stent Restenosis Catheter Vasc MedCardiovasc Interv. 2007 Mar;69(3):349-54.

Yung-Wei Chi, Craig Ehrensing. Nutcracker Syndrome. Images in Vascular Medicine Vasc Med. 2007 Aug;12(3):251-3

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Nipavan Chiamvimonvat, M.D.

Nipavan Chiamvimonvat welcomes LGBT patients.

Title	Professor, Roger Tatarian Endowed Professor of Cardiovascular Medicine Staff Cardiologist at VA Medical Center
Specialty	Cardiology , Cardiovascular Medicine , Internal Medicine
Department	Internal Medicine
Division	Cardiovascular Medicine
Center/Program Affiliation	Cardiovascular Services
Address/Phone	VA Northern CA Health Care System, Sacramento VA Medical Center, 10535 Hospital Way Mather, CA 95655 Phone: 916-843-7000
Additional Phone	Phone: 916-366-5392 Physician Referrals: 800-4-UCDAVIS (800-482-3284)
Education	M.D., University of Toronto, Toronto, Ontario, Canada 1984
Internships	Internal Medicine, University of Toronto, Toronto, Ontario, Canada 1984-1985
Residency	Internal Medicine, University of Toronto, Toronto, Ontario, Canada 1985-1987
Fellowships	Clinical Cardiac Electrophysiology, University of Calgary, Calgary, Alberta, Canada 1989-1991 Cardiology, University of Western Ontario, Toronto, Ontario, Canada 1987-1989
Board Certifications	American Board of Internal Medicine, 1988 American Board of Internal Medicine, Cardiovascular Medicine, 1989
Professional Memberships	American Heart Association - Chair, Peer Review Committee American Journal of Physiology - Member, Editorial Board, Circulation Research, Heart Rhythm Heart Rhythm Society - Member, Research Committee NIH Special Emphasis Panel - Member NIH T32 Study Section - Member
Honors and Awards	Dean's Excellence in Mentoring Award, 2011
Select Recent Publications	To view a detailed list of Dr. Chiamvimonvat's publications, please click here .

Nipavan Chiamvimonvat, M.D.

Lu L, Timofeyev V, Li N, Rafizadeh S, Singapuri A, Harris TR and Chiamvimonvat N. Alpha-actinin2 cytoskeletal protein is required for the functional membrane localization. 2009;106:18402-7.

Rafizadeh S, Zhang Z, Woltz RL, Kim HJ, Myers RE, Lu L, Tuteja D, Singapuri A, Bigdeli AA, Harchache SB, Knowlton AA, Yarov-Yarovoy V, Yamoah EN and Chiamvimonvat N. Functional interaction with filamin A and intracellular Ca²⁺ enhance the surface membrane expression of a small-conductance Ca²⁺-activated K⁺ (SK2) channel. Proc Natl Acad Sci U S A. 2014;111:9989-94

Timofeyev V, Myers RE, Kim HJ, Woltz RL, Sirish P, Heiserman JP, Li N, Singapuri A, Tang T, Yarov-Yarovoy V, Yamoah EN, Hammond HK and Chiamvimonvat N. Adenylyl cyclase subtype-specific compartmentalization: differential regulation of L-type Ca²⁺ current in ventricular myocytes. Circ Res. 2013;112:1567-76

Sirish P, Li N, Liu JY, Lee KS, Hwang SH, Qiu H, Zhao C, Ma SM, Lopez JE, Hammock BD and Chiamvimonvat N. Unique mechanistic insights into the beneficial effects of soluble epoxide hydrolase inhibitors in the prevention of cardiac fibrosis. Proc Natl Acad Sci U S A. 2013;110:5618-23.

Sirish P, Lopez JE, Li N, Wong A, Timofeyev V, Young JN, Majdi M, Li RA, Chen HS and Chiamvimonvat N. MicroRNA profiling predicts a variance in the proliferative potential of cardiac progenitor cells derived from neonatal and adult murine hearts. J Mol Cell Cardiol. 2012;52:264-72.

Li N, Liu JY, Timofeyev V, Qiu H, Hwang SH, Tuteja D, Lu L, Yang J, Mochida H, Low R, Hammock BD and Chiamvimonvat N. Beneficial effects of soluble epoxide hydrolase inhibitors in myocardial infarction model: Insight gained using metabolomic approaches. J Mol Cell Cardiol.

Nipavan Chiamvimonvat, M.D.

2009;47:835-45.

Lu L, Zhang Q, Timofeyev V, Zhang Z, Young JN, Shin HS, Knowlton AA, Chiamvimonvat N. Molecular coupling of a Ca²⁺-activated K⁺ channel to L-type Ca²⁺ channels via α -actinin2. *Circ Res.* 2007;100:112-120.

Xu D, Li N, He Y, Timofeyev V, Lu L, Tsai HJ, Kim IH, Tuteja D, Mateo RK, Singapuri A, Davis BB, Low R, Hammock BD, Chiamvimonvat N. Prevention and reversal of cardiac hypertrophy by soluble epoxide hydrolase inhibitors. *Proc Natl Acad Sci U S A.* 2006;103:18733-18738.

Xu Y, Tuteja D, Zhang Z, Xu D, Zhang Y, Rodriguez J, Nie L, Tuxson HR, Young JN, Glatter KA, Vazquez AE, Yamoah EN, Chiamvimonvat N. Molecular identification and functional roles of a Ca²⁺-activated K⁺ channel in human and mouse hearts. *J Biol Chem.* 2003;278:49085-49094.

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David Tom Cooke, M.D., F.A.C.S.

Clinical Interests	Dr. Cooke specializes in general thoracic surgery, thoracic oncology, surgical treatment of malignant and benign esophageal disease, video assisted thoracic surgery (VATS) with special interest in VATS pulmonary resection; interventional bronchoscopy, esophageal stenting, tracheal and airway surgery, lung volume reduction surgery, surgical treatment of achalasia, hyperhidrosis surgery, student mentoring, and community involvement.
Research/Academic Interests	Dr. Cooke's research interests involve clinical studies including oncologic trials, surgical outcomes/health services research, patient-centered outcomes research, translational research, surgical education and medical social media. Dr. Cooke has authored over 50 scholarly manuscripts and text-book chapters.
Title	Head, Section of General Thoracic Surgery Program Director of the Cardiothoracic Surgery Residency Associate Professor of Clinical Surgery Task-Force Chair Comprehensive Lung Cancer Screening Program
Specialty	Cancer, Surgery - Cardiothoracic, Surgery - Thoracic
Department	Surgery
Division	Cardiothoracic Surgery
Center/Program Affiliation	Cardiovascular Services UC Davis Comprehensive Cancer Center UC Davis Medical Group Center for Healthcare Policy and Research
Address/Phone	UC Davis Medical Center - Cypress Building, 2221 Stockton Blvd. Suite 2112 Sacramento, CA 95817 Phone: 800-2-UCDAVIS
Additional Phone	Clinic Phone: 916-734-3861 Physician Referrals: 800-4-UCDAVIS (800-482-3284)
Email	thoracic@ucdavis.edu
Education	M.D., Harvard Medical School, Boston, Massachusetts, 1999 B.A., UC Berkeley, Berkeley, California, 1994



David Tom Cooke, M.D., F.A.C.S.

Internships	Massachusetts General Hospital/Harvard Medical School, Boston, Mass, 1999-2000
Residency	Massachusetts General Hospital/Harvard Medical School, Boston, Mass, 2000-2006
Fellowships	Stanford University School of Medicine, Research Fellow, Stanford, Calif, 2002-2004 University of Michigan School of Medicine, Ann Arbor, Mich, 2006-2008
Board Certifications	American Board of Surgery, 2006 American Board of Thoracic Surgery, 2009
Professional Memberships	American Association for Thoracic Surgery Fellow, American College of Chest Physicians Fellow, American College of Surgeons Harvard Medical School Alumni Association Massachusetts General Hospital Surgical Society Society of Thoracic Surgeons
Honors and Awards	Castle Connolly Top Doctor in America - Cardiac and Thoracic Surgery, 2015 Elected to Membership to the American Association for Thoracic Surgery, 2015 University of California Alumni Association Excellence in Achievement Award, 2015
Select Recent Publications	To view Dr. Cooke's publications, please click here .

Fahrman JF, Kim K, DeFelice BC, Taylor SL, Gandara DR, Yoneda KY, Cooke DT, Fiehn O, Kelly K, Miyamoto S. Investigation of Metabolomic Blood Biomarkers for Detection of Adenocarcinoma Lung Cancer. *Cancer Epidemiology, Biomarkers & Prevention* 2015 Aug 17. pii: cebp.0427.2015. [Epub ahead of print].

David EA, Chen Y, Cooke DT, Perry A, Caner RJ, Cress R. Surgery In High Volume Hospitals not Commission on Cancer Accreditation Leads To Increased Cancer Specific Survival For Early Stage Lung Cancer? *American Journal of Surgery* 2015 Jun 27. [Epub ahead of print].

Gandara DR, Mack PC, Bult C, Li T, Lara PN Jr, Riess JW, Astrow SH, Gandour-Edwards R, Cooke DT, Yoneda KY, Moore EH, Pan CX, Burich RA, David EA, Keck JG, Airhart S, Goodwin N, de Vere White RW, Liu ET. Bridging Tumor Genomics to Patient Outcomes Through an Integrated



David Tom Cooke, M.D., F.A.C.S.

Patient-Derived Xenograft Platform. *Clinical Lung Cancer*. 2015. Mar 18. [Epub ahead of print].

Kanhua Y, Haisong X, Cooke DT, Pu LLQ. Successful management of oesophageal conduit necrosis by a single-stage reconstruction with the pedicled pectoralis major myocutaneous flap. *Interactive CardioVascular and Thoracic Surgery*. Epub 2015. April.

Dasari CR, Gunther S, Wisner DH, Cooke DT, Gold CK, Wong MS. Rise in Microsurgical Free-Flap Breast Reconstruction in Academic Medical Practices. *Annals of Plastic Surgery*. 2015. Mar 17. [Epub ahead of print]

Ingram MT, Wisner DH, Cooke DT. Practice patterns of academic general thoracic and adult cardiac surgeons. *Journal of Thoracic and Cardiovascular Surgery*. 2014. Oct;148(4):1162-6.

Mazzone P, Vachani A, Chang A, Detterbeck F, Cooke D, Howington J, Dodi A, Arenberg D. Quality Indicators for the Evaluation of Patients with Lung Cancer. *CHEST*. 2014. Sep;146(3):659-69.

Reddy RM, Kim AW, Cooke DT, Yang SC, Higgins RSD. The Looking to the Future Medical Student Program: Recruiting Tomorrow's Leaders. *Annals of Thoracic Surgery*. 2014 Mar;97(3):741-3.

Cooke DT, Gandara DR, Goodwin NC, Calhoun RF, Lara PN, Mack PC, David EA. Outcomes and Efficacy of Thoracic Surgery Biopsy for Tumor Molecular Profiling in Patients with Advanced Lung Cancer. *Journal of Thoracic and Cardiovascular Surgery*. 2014 Jul;148(1):36-40.

Hoffman P, Cooke DT, Zeki AA, Black H. A 40-year-old woman with progressively worsening dyspnea and nonproductive cough. *CHEST*. 2013 Nov 1;144(5):1720-3.



David Tom Cooke, M.D., F.A.C.S.

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David L. Dawson, M.D.

Clinical Interests Dr. Dawson specializes in vascular and endovascular surgery, including carotid artery disease, aortic aneurysm repair, and treatment of mesenteric and renal artery disease, venous disorders, diabetic foot problems, and other complex circulation disorders. He is internationally recognized for his research and expertise with peripheral artery disease. He is a decorated Air Force veteran who, before joining the faculty at UC Davis, worked at NASA as chief of the Medical Sciences Division at the Johnson Space Center in Houston, Texas. His expertise in aviation and space medicine complements his interest in applying advanced technologies, including simulation, to health care. He is also an FAA Aviation Medical Examiner. He has written numerous journal articles and book chapters, frequently lectures at both national and international conferences, and serves in leadership roles in regional and national professional societies. Dr. Dawson is also known for roles in surgical education, including as program director for UC Davis' vascular surgery residency and fellowship.

Title Professor

Specialty [Surgery - Vascular and Endovascular](#), Vascular and Endovascular Care

Department [Surgery](#)

Division Vascular Surgery

Center/Program Affiliation [Cardiovascular Services](#)
[Vascular Center](#)

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Phone: 916-734-3800

Additional Phone Physician Referrals: 800-4-UCDAVIS (800-482-3284)

Education M.D., University of Southern California School of Medicine, Los Angeles, California, 1986
B.S., University of Southern California, Los Angeles, California, 1981

Internships University of Washington, Seattle, Washington, 1985-1986

Residency University of Washington, Seattle, Washington, 1986-1990



David L. Dawson, M.D.

Fellowships Emory University, Atlanta, Georgia, 2001
University of Washington, Seattle, Washington, 1990-1992

Board Certifications American Board of Surgery - Surgery, 1991
American Board of Surgery - Vascular Surgery, 1993
American Board of Vascular Medicine, Endovascular Medicine, 2006

Professional Memberships American College of Surgeons
American Heart Association
Association for Academic Surgery
Peripheral Vascular Surgery Society
Society for Clinical Vascular Surgery
Society for Vascular Medicine and Biology
Society for Vascular Surgery
Society of Air Force Clinical Surgeons
Society of Vascular Ultrasound
Southern Association for Vascular Surgery
Western Vascular Society

Honors and Awards Surgical Educator of the Year 2010 - UC Davis Department of Surgery, 2010
Best Clinical Paper, Society for Vascular Ultrasound (SVU) Annual Conference, 2005
NASA Achievement Award, 2001
First Place, Henry Harkins Resident Paper Competition, 1999
Critical Care and Trauma Award, 1998
First Place, Henry Harkins Resident Paper Competition, 1992
Best Paper by Resident or Fellow, Pacific Northwest Vascular Society, 1991
Third Place, Henry Harkins Resident Paper Competition, 1989
Alpha Omega Alpha, Honor Medical Society, 1985
C.V. Mosby Company Scholarship Award, 1985
Dean's Scholar, University of Southern California School of Medicine, 1985
Degree Awarded Cum Laude, University of Southern California, 1985

Select Recent Publications Humphries MD, Pevec WC, Laird JR, Yeo KK, Hedayati N, Dawson DL. Early duplex scanning after infrainguinal endovascular therapy. *J Vasc Surg.* 2011 Feb;53(2):353-8.
Stamova B, Tian Y, Jickling G, Bushnell C, Zhan X, Liu D, Ander BP, Verro P, Patel V, Pevec WC, Hedayati N, Dawson DL, Jauch EC, Pancioli A, Broderick JP, Sharp FR. The X-Chromosome Has a Different Pattern of Gene Expression in Women Compared With Men With Ischemic Stroke.



David L. Dawson, M.D.

Stroke. 2011 Nov 3.

Tian Y, Stamova B, Jickling GC, Liu D, Ander BP, Bushnell C, Zhan X, Davis RR, Verro P, Pevec WC, Hedayati N, Dawson DL, Khoury J, Jauch EC, Pancioli A, Broderick JP, Sharp FR. Effects of gender on gene expression in the blood of ischemic stroke patients. *J Cereb Blood Flow Metab.* 2011 Dec 14.

Hedayati N, Del Pizzo DJ, Harris SE, Kuskowski M, Pevec WC, Lee ES, Pifer C, Dawson DL. Predictors of diagnostic success with renal artery duplex ultrasonography. *Ann Vasc Surg.* 2011 May;25(4):515-9.

Humphries MD, Dawson DL. Asymptomatic bilateral external iliac vein aneurysms in a young athlete: case report and literature review. *Vasc Endovascular Surg.* 2010 Oct;44(7):594-6.

Laird JR, Dawson DL. The role for cryoplasty in the treatment of infrainguinal artery disease: case studies. *J Endovasc Ther.* 2009 Apr;16(2 Suppl 2):II116-28.

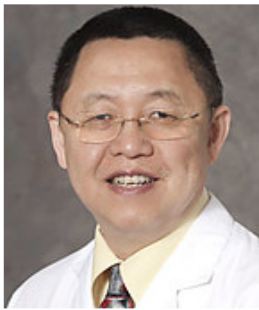
Lee ES, Dawson DL. The management of large bilateral internal iliac artery aneurysms using the T-Stat Colon Oximeter. *Ann Vasc Surg.* 2010 Jan;24(1):115.e1-4. Epub 2009 Sep 17.

Lee ES, Pickett E, Hedayati N, Dawson DL, Pevec WC. Implementation of an aortic screening program in clinical practice: implications for the Screen For Abdominal Aortic Aneurysms Very Efficiently (SAAAVE) Act. *J Vasc Surg.* 2009 May;49(5):1107-11.

Moos JM, Rowell S, Dawson DL. Symptomatic 7-cm abdominal aortic aneurysm in an otherwise healthy 31-year-old woman. *Vasc Endovascular Surg.* 2009 Dec;43(6):622-6. Epub 2009 Jul 29.

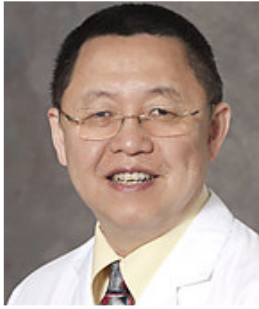
Dawson DL, Lee ES, Hedayati N, Pevec WC. Four-year experience with a regional program providing simulation-based endovascular training for vascular surgery fellows. *J Surg Educ.* 2009 Nov-Dec;66(6):330-5.

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Dali Fan, M.D., Ph.D.

Clinical Interests	Dali Fan's research interests include echocardiography guided ablations, echocardiography guide cardiac resynchronization therapy, electrical-mechanical relationship of the left atrium. Clinical application of 2-D echo acoustic marker based tracking and quantification, standardization of digital echo imaging and reporting.
Title	Associate Professor of Medicine
Specialty	Cardiac Electrophysiology, Cardiology , Cardiovascular Medicine
Department	Internal Medicine
Division	Cardiovascular Medicine
Center/Program Affiliation	Cardiovascular Services
Address/Phone	Lawrence J. Ellison Ambulatory Care Center, Cardiology Clinic, 4860 Y St. Suite 0200 Sacramento, CA 95817 Phone: 800-282-3284
Additional Phone	Phone: 916-734-5678
Education	M.D., Beijing University School of Medicine, Beijing, 1989 Ph.D., Albert Einstein College of Medicine, Bronx, New York, 1996 M.Sc., Albert Einstein College of Medicine, Bronx, New York, 1992
Residency	Albert Einstein College of Medicine, Beth Israel Medical Center, New York, NY, 1999
Fellowships	Albert Einstein College of Medicine, Beth Israel Medical Center, New York, NY, 2002 Albert Einstein College of Medicine, Beth Israel Medical Center, New York, NY, 2010 Massachusetts General Hospital, Boston, Mass., 2004
Board Certifications	American Board of Internal Medicine, 1999 American Board of Internal Medicine, Cardiovascular Disease, 2002 National Board of Echocardiography, Adult Echocardiography, 2004
Professional Memberships	Academy of Cardiovascular Research Excellence American College of Cardiology American Heart Association



Dali Fan, M.D., Ph.D.

American Medical Association
American Society of Echocardiography
Chinese American Heart Association (CnAHA)
Long Island Echocardiography Society
Nassau County Medical Association
New York Echocardiography Society
Society of Neuroscience

Select Recent Publications

Makaryus AN, Fan D. Dangerous Feather! Journal of Cardiovascular Computed Tomography. 2009 May-Jun;3(3):182-3. Epub 2009 Feb 21.

Suma S, Makaryus AN, Rascon M, Doddamani S, Fan D. Isolated Subacute Effusive And Nonconstrictive Epicarditis Masquerading As A Right Atrial Mass. Echocardiography 2009;26(6):732-5. Epub 2009 Mar 10.

Barasch E, Fan D, Chukwu EO, Han J, Passick M, Petillo F, Norales A, Reichel N. Severe isolated aortic stenosis with normal left ventricular systolic function and low transvalvular gradients: pathophysiologic and prognostic insights. J Heart Valve Dis. 2008 Jan;17(1):81-8.

Fan D, Makaryus AN, Hamik A, Finn AV, Isselbacher EM. Prosthetic Valve Dysfunction Presenting as Intermittent Acute Aortic Regurgitation. Echocardiography. 2008 Sep;25(8):925-7. Epub 2008 May 13.

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Neal Wayne Fleming, M.D., Ph.D.

Neal Wayne Fleming welcomes LGBT patients.

Clinical Interests	Dr. Fleming has clinical interests in cardiovascular monitoring. His research interests are in neuromuscular physiology and pharmacology.
Title	Director, Cardiovascular and Thoracic Anesthesia Professor of Clinical Anesthesia
Specialty	Anesthesiology, Anesthesiology - Cardiovascular and Thoracic
Department	Anesthesiology
Division	Cardiovascular and Thoracic Anesthesia
Center/Program Affiliation	Cardiovascular Services
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Email	nwfleming@ucdavis.edu
Education	M.D., University of Kansas School of Medicine, Kansas City KS 1981 Ph.D., Georgetown University, Washington DC 1989 B.A., Grinnell College, Grinnell IA 1977
Residency	Georgetown University School of Medicine, Washington DC 1982-1985
Fellowships	Georgetown University School of Medicine, Washington DC 1985-1986
Board Certifications	American Board of Anesthesiology, 1986 National Board of Echocardiography, 2003 National Board of Medical Examiners, 1983
Professional Memberships	American Medical Association American Society of Anesthesiologists Association of Anesthesia Clinical Directors (1997-1999) California Society of Anesthesiologists



Neal Wayne Fleming, M.D., Ph.D.

Select Recent Publications

International Anesthesia Research Society

International Trauma Anesthesia and Critical Care Society

Society of Cardiovascular Anesthesiologists

The comparison of stroke volume variation and arterial pressure-based cardiac output with standard hemodynamic measurements during cardiac surgery. 2010.

Judge O, Ji F, Fleming N, Liu H. Current use of the pulmonary artery catheter in cardiac surgery: a survey study. *J Cardiothorac Vasc Anesth.* 2015 Feb;29(1):69-75.

Santosa CM, Rose DD, Fleming NW. The Utility of 3D Left Atrial Volume and Mitral Flow Velocities as Guides for Acute Volume Resuscitation. *Biomed Res Int.* 2015;2015:697327.

Ji F, Li J, Fleming N, Rose D, Liu H. Reliability of a new 4th generation FloTrac algorithm to track cardiac output changes in patients receiving phenylephrine. *J Clin Monit Comput.* 2015 Aug;29(4):467-73.

Ji F, Li Z, Nguyen H, Young N, Shi P, Fleming N, Liu H. Perioperative dexmedetomidine improves outcomes of cardiac surgery. *Circulation.* 2013 Apr 16;127(15):1576-84.

Zhong C, Fleming N, Lu X, Moore P, Liu H. Age-associated differences in gene expression in response to delayed anesthetic preconditioning. *Age (Dordr).* 2012 Dec;34(6):1459-72.

Kungys G, Rose O, Fleming NW. Stroke Volume Variation during Acute Normovolemic Hemodilution. *Anesth Analg.* 2009;Dec, 109(6):1823-30.

Deyhimy OI, Fleming NW, Brodtkin IG, Liu H. Anesthetic preconditioning combined with postconditioning offers no additional benefit over preconditioning or postconditioning alone.



Neal Wayne Fleming, M.D., Ph.D.

Anesth Analg. 2007;105(2):316-24.

Lee HT, Hennig GW, Fleming NW, Keef KD, Spencer NJ, Ward SM, Sanders KM, Smith TK. The mechanism and spread of pacemaker activity through myenteric interstitial cells of Cajal in human small intestine. *Gastroenterology*. 2007;132(5):1852-65.

Lee HT, Hennig GW, Fleming NW, Keef KD, Spencer NJ, Ward SM, Sanders KM, Smith TK. Septal interstitial cells of Cajal conduct pacemaker activity to excite muscle bundles in human jejunum. *Gastroenterology*. 2007;133:907-17.

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Rosalie Jane Hagge, M.D.

Clinical Interests	Dr. Hagge has clinical interests in general diagnostic and emergency radiology, diagnostic and therapeutic nuclear medicine, positron emission tomography (PET), radio guided surgery, translational medical imaging, nuclear oncology and nuclear cardiology. Her research focuses on digital medical imaging and performance evaluation of diagnostic systems. She is the Instructor of Record for the Senior Medical Student Clinical Clerkship in Diagnostic Radiology.
Title	Associate Clinical Professor
Specialty	Cancer , Radiology , Radiology - Nuclear Medicine
Department	Radiology
Division	Nuclear Medicine
Center/Program Affiliation	Cardiovascular Services UC Davis Comprehensive Cancer Center
Address/Phone	Lawrence J. Ellison Ambulatory Care Center, Radiology, 4860 Y St. Suite 3100 Sacramento, CA 95817 Phone: 916-734-0655
Additional Phone	Physician Referrals: 800-4-UCDAVIS (800-482-3284)
Education	M.D., Washington University School of Medicine, St. Louis, Missouri, 1988 B.S., Washington University, St. Louis, Missouri, 1983 M.S., Washington University, St. Louis, Missouri, 1984
Internships	St. John's Mercy Medical Center, St. Louis, Missouri, 1989
Residency	Duke University Medical Center, Durham, North Carolina, 1998 Mallinckrodt Institute of Radiology/Nuclear Medicine, St. Louis, Missouri, 1993
Board Certifications	American Board of Nuclear Medicine, 1996 American Board of Nuclear Medicine, 2006 American Board of Radiology, 1998
Professional Memberships	American Roentgen Ray Society Radiological Society of North America Society of Nuclear Medicine

Rosalie Jane Hagge, M.D.

- Honors and Awards** Susan G. Komen Foundation Grant for Breast Cancer Research, 2001
Duke University Resident Teaching Award, 1998
RSNA Roenten Fellow/Resident Research Award, 1997
G.E. Medical Systems "Excellence in Clinical PET" Award, 1996
- Select Recent Publications** Bowen SL, Wu Y, Chaudhari AJ, Fu L, Packard NJ, Burkett GW, Yang K, Lindfors KK, Shelton DK, Hagge RJ, Borowsky AD, Martinez SR, Qi J, Boone JM, Cherry SR, Badawi RD. Initial Characterization of a Dedicated Breast PET/CT Scanner During Human Imaging. 50(9): 1401-1408, 2009.
- Clark RP, Wong G, Johnson LM, Hagge RJ, Ciminello F, Lee J, Stone K, Clark IA. Nasal Dorsal Augmentation with Freeze-Dried Allograft Bone. Plastic and Reconstructive Surgery 124(4):1312-1325, 2009.
- Hagge RJ, Coleman RE. Positron Emission Tomography: Lung cancer. Semin Roentgenol 37(2): 110-117, 2002.
- Ravizzini GC, Hanson MW, Shaw LK, Wong TZ, Hagge RJ, Pagnanelli RA, Jain D, Lima HS, Coleman RE, Borges-Neto S. Efficiency comparison between 99m Tc-tetrofosmin and 99m Tc-sestamibi myocardial perfusion studies. Nucl Med Commun, 23(3): 203-8, 2002.
- Rohren EM, Hagge RJ, Wong TZ, Killius J, Clavien PA, Nelson RC, Paulson EK. The role of [18]F-FDG PET in preoperative assessment of the liver in patients being considered for curative resection of hepatic metastases from colorectal cancer. 2002
- Hagge RJ, Wong TZ, Coleman RE. Positron emission tomography: Brain tumors and Lung Cancer. Radiol Clin North Am 5:871-880, 2001.
- Hagge RJ, Al-Sugair A, Coleman RE. Non-small cell lung cancer, in Bender H, Palmedo H, Bresaik HJ, Valk PE, eds: An Atlas of Clinical PET in Oncology, Springer, Berlin, pp 153-170, 2000.
- Hagge RJ. Hypertrophic osteoarthropathy, in Provenzale JM, Nelson RC. Duke Radiology Case Review: Imaging, Differential Diagnosis, and Discussion. Lippincott-Raven, New York, 1998.
- Zimmerman JB, Hagge RJ, Hartzell KM, A determination of the relative visibility thresholds for basis functions of the Frazier-Jawerth transform. SPIE Medical Imaging IV: Image Capture and Display 1232:277-292, 1990.
- Miller TR, Hagge RJ, Sampathkumaran KS. Interactive digital filtering of gated cardiac studies during cine display. IEEE Transactions on Medical Imaging 7(3):188-192, 1988.

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Nobuko Hagiwara, M.S., Ph.D.

Clinical Interests	Nobuko Hagiwara has expertise in the field of molecular genetics. She completed postdoctoral training at the University of Iowa in biological sciences and the University of California, Irvine, in anatomy and neurobiology. She also was a postdoctoral fellow at the Fox Chase Cancer Center Institute for Cancer Research in Philadelphia, PA, and the University of Arizona College of Medicine in Tucson. The Hagiwara lab studies development of the heart and skeletal muscle at the molecular and cellular levels. We are researching the Sox6 mutant heart to understand the progression of early stages of heart failure. A deficiency of the Sox6 transcription factor shows cardiac and skeletal muscle degeneration and arrhythmia. Another interesting phenotype is fiber type distortion in skeletal muscle. Since specialization of slow- and fast-twitch fiber type is crucial for physiological function of skeletal muscle, Sox6 should play an important role in normal fetal muscle development as well as in muscle degenerative diseases. To understand the role of Sox6 in skeletal muscle development, we are investigating downstream targets and cofactors of the Sox6 protein. To conduct our research, we utilize genetic, molecular and cellular biology techniques.
Title	Assistant Professor
Specialty	Cardiovascular Medicine , Internal Medicine
Department	Internal Medicine
Division	Cardiovascular Medicine
Center/Program Affiliation	Cardiovascular Services
Additional Phone	Physician Referrals: 800-4-UCDAVIS (800-482-3284)
Education	Ph.D., University of Tokyo, Tokyo, 1995 B.S., Ochanomizu Women's University, Tokyo, 1984 M.S., Ochanomizu Women's University, Tokyo, 1987
Professional Memberships	American Heart Association Society for Developmental Biology Society for Neuroscience
Honors and Awards	Japanese Ministry of Education Scholarship for graduate studies abroad., 1986
Select Recent Publications	Odeh H, Hunker KL, Belyantseva IA, Azaiez H, Avenarius MR, Zheng L, Peters LM, Gagnon LH,

Nobuko Hagiwara, M.S., Ph.D.

Hagiwara N, Skynner MJ, Brilliant MH, Allen ND, Riazuddin S, Johnson KR, Raphael Y, Najmabadi H, Friedman TB, Bartles JR, Smith RJ, Kohrman DC. Mutations in *Grxcr1* are the basis for inner ear dysfunction in the pirouette mouse. *Am. J. Genet.* 2010;86:148-160.

Wang Y, Chen L, Hagiwara N, Knowlton AA. Regulation of heat shock protein 60 and 72 expression in the failing heart. *J. Mol. Cell. Cardiol.* 2010;48:360-366.

Hagiwara, N., Yeh M, and Liu A. (2007) *Sox6* is required for normal fiber type differentiation of fetal skeletal muscle in mice. *Dev. Dynamics* 236: 2062-2076

Yi, Z., Cohen-Barak, O., Hagiwara, N., Kingsley, P.D., Fuchs, D.A., Erickson, D.T., Epner, E.M., Palis, J., and Brilliant, M.H. (2006) *Sox6* directly silences epsilon globin expression in definitive erythropoiesis. *PLoS Genetics* 2: e14

Hagiwara, N., Ma, B., and Ly, A. (2005) Slow and fast fiber isoform gene expression is systematically altered in skeletal muscle of the *Sox6* mutant, p100H. *Dev. Dynamics* 234:301-311

Odeh H, Hagiwara N, Skynner M, Mitchem KL, Beyer LA, Allen N, Brilliant M, Lebart MC, Dolan DF, Raphael Y and Kohrman DC. Characterization of two transgene insertional mutations at pirouette, a mouse deafness focus. *Audiol. neurootol.* 2004;9:303-314.

Cohen-Barak, O., Yi, Z., Hagiwara, N., Monzen, K., Komuro, I., and Brilliant, M. H. (2003) *Sox6* regulation of cardiac myocytes development. *Nuc. Acids Res.* 31: 5941-5948.

Hagiwara, N., Katarova, Z., Siracusa, L.D., and Brilliant, M.H. (2003) Non-neuronal expression of the *GABAA* $\gamma 3$ subunit gene is required for normal palate development in mice. *Dev. Biol.* 254:93-101.

Cohen-Barak, O., Hagiwara, N., Arlt, M.F., Horton, J.P., and Brilliant, M.H. Cloning, characterization and chromosome mapping of the human *SOX6* gene. *Gene* 265: 157-164, 2001.

Newton, J.M., Cohen-Barak, O., Hagiwara, N., Gardner J.M., Davisson, M.T., King, R.A., Brilliant M.H. Mutations in the human orthologue of the mouse underwhite (*uw*) gene underlie a new form of oculocutaneous albinism, *OCA4*. *Am. J. Hum. Genet.* 69:981-988, 2001.

Hagiwara, N., Klewer, S.E., Samson, R.A., Erickson, D.T., Lyon, M.F., and Brilliant, M.H. *Sox6* is a candidate gene for p100H myopathy, heart block and sudden neonatal death. *Proc. Natl. Acad. Sci. USA* 97: 4180-4185, 2000.

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Nasim Hedayati, M.D., MAS, FACS, RPVI

Nasim Hedayati welcomes LGBT patients.

Philosophy of Care

Dr. Hedayati believes that the key elements for successful treatment of vascular diseases include risk factor modification, tailoring of the endovascular or open surgical procedures to individual patient needs and comorbidities, and patient education. She greatly values open communication with the patient and family members in understanding expectations and formulating a treatment plan.

Clinical Interests

Dr. Hedayati specializes in complex vascular surgery, including revascularization of lower extremity arterial occlusive disease using endovascular and open techniques, aortic aneurysm repair, treatment of mesenteric and renal artery disease and treatment of varicose veins.

Research/Academic Interests

Dr. Hedayati's research interests include outcomes of open bypass and endovascular procedures for lower extremity arterial disease with emphasis on effects of gender and race/ethnicity and the use of stem cells for the treatment of severe arterial disease of lower extremities. She also has a strong research interest in outcomes of treatment of varicose veins and complex venous disease.

Title Associate Professor

Co-Director of the Vein Center

Specialty [Surgery - General](#), [Surgery - Vascular and Endovascular](#), Vascular and Endovascular Care

Department [Surgery](#)

[UC Davis Medical Group](#)

Division Vascular Surgery

Clinic Vascular Surgery Clinic

UC Davis Medical Group, Davis

Center/Program Affiliation [Cardiovascular Services](#)

[Vascular Center](#)

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Phone: 530-747-3000



Nasim Hedayati, M.D., MAS, FACS, RPVI

Additional Phone Physician Referrals: 800-4-UCDAVIS (800-482-3284)

Languages Farsi (Persian)

Education M.D., M.A.S., F.A.C.S., Chicago Medical School, Chicago IL 1998
B.S., UCLA, Los Angeles CA 1993

Internships Case Western Reserve University, Cleveland OH 1999

Residency Case Western Reserve University, Cleveland OH 2005

Fellowships Baylor College of Medicine, Houston TX 2007

Board Certifications American Board of Surgery, 2006

Professional Memberships American College of Surgeons
American Venous Forum
Association for Academic Surgery
Society for Vascular Surgery
Vascular and Endovascular Surgery Society
Western Vascular Society

Honors and Awards California Institute for Regenerative Medicine, Co-clinical investigator, 2012
Mentored Clinical Research Training Program (K30), 2015
UC Davis School of Medicine Appreciation Award-Mentoring Medical Research Fellowship Student, 2015

Select Recent Publications Humphries MD, Brunson A, Hedayati N, Romano P, Melnkow J. Amputation Risk in Patients with Diabetes Mellitus and Peripheral Artery Disease Using Statewide Data. *Ann Vasc Surg.* 2016 Jan;30:123-31.

Hedayati N, Brunson A, Li CS, Baker AC, Pevec WC, White RH, Romano PS. Do Women Have Worse Amputation-Free Survival Than Men Following Endovascular Procedures for Peripheral Arterial Disease? An Evaluation of the California State-Wide Database. *Vasc Endovascular Surg.* 2015 Oct;49(7):166-74.



Nasim Hedayati, M.D., MAS, FACS, RPVI

Tsai TT, Rehring TF, Rogers RK, Shetterly SM, Wagner NM, Gupta R, Jazaeri O, Hedayati N, Jones WS, Patel MR, Ho PM, Go AS, Magid DJ. The Contemporary Safety and Effectiveness of Lower Extremity Bypass Surgery and Peripheral Endovascular Interventions in the Treatment of Symptomatic Peripheral Arterial Disease. *Circulation*. 2015 Nov 24;132(21):1999-2011. Epub 2015 Sep 11.

Hedayati N, Carson JG, Chi YW, Link D. Management of mixed arterial venous lower extremity ulceration: A review. *Vasc Med*. 2015 Oct;20(5):479-86.

Jones WS, Patel MR, Tsai TT, Go AS, Gupta R, Hedayati N, Ho PM, Jazaeri O, Rehring TF, Rogers RK, Shetterly SM, Wagner NM, Magid DJ. Anatomic runoff score predicts cardiovascular outcomes in patients with lower extremity peripheral artery disease undergoing revascularization. *Am Heart J*. 2015 Aug;170(2):400-8.

Loja MN, Brunson A, Li CS, Carson JG, White RH, Romano PS, Hedayati N. Racial disparities in outcomes of endovascular procedures for peripheral arterial disease: an evaluation of California hospitals, 2005-2009. *Ann Vasc Surg*. 2015 Jul;29(5):950-9.

Hedayati N, MD Humphries, W Zhou. Gender and outcomes of carotid artery interventions. *Vascular and Endovascular Surgery* 2014; 48(2):99-105.

Babadi-Akashe Z, Zamani BE, Abedini Y, Akbari H, Hedayati N. The Relationship between Mental Health and Addiction to Mobile Phones among University Students of Shahrekord, Iran. *Addict Health*. 2014 Summer-Autumn;6(3-4):93-9.

McCoach CE, EJ Armstrong, U Javed, D Anderson, KK Yeo, S Singh, N Hedayati, JR Laird. Gender-related variation in clinical presentation and outcomes of percutaneous intervention for critical

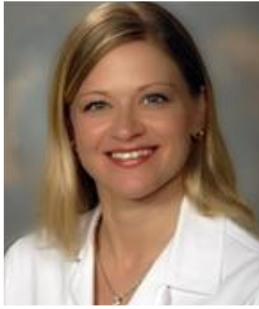


Nasim Hedayati, M.D., MAS, FACS, RPVI

limb ischemia. *Vascular Medicine* 2013; 18(1):19-26.

Baker AC, V Chew, CS Li, TC Lin, DL Dawson, WC Pevec, N Hedayati. Application of Duplex Ultrasound in Determining In-stent Stenosis During Surveillance after Mesenteric Artery Revascularization. *J of Vascular Surgery* 2012;56(5):1364-71.

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Misty D. Humphries, M.D., M.A.S., RPVI, F.A.C.S.

Misty D. Humphries welcomes LGBT patients.

Philosophy of Care

Dr. Humphries believes comprehensive vascular care for patients with arterial and venous disease includes management of risk factors as well as disease treatment. She incorporates new research technologies with traditional vascular care, and believes that patients should take an active role in treatment planning.

Dr. Humphries also welcomes open communication with families in support of a common mission of optimal patient care.

Clinical Interests

Dr. Humphries specializes in open vascular and advanced endovascular treatment for arterial and venous disease. Her primary clinic interest is in endovascular treatment of complex aortic aneurismal disease, as well as peripheral artery disease.

This has provided her the opportunity to speak on a national and international level about the use of advanced endovascular interventions in the treatment of complex aortic pathology, including aortic dissection and aneurismal disease.

Research/Academic Interests

Dr. Humphries' research focuses on outcomes and disparities in care for patients with critical limb ischemia.

Her goal is to identify new treatment strategies to prevent limb loss in this population with advanced arterial disease of the lower extremity.

Title Assistant Professor, Department of Surgery

Specialty Vascular and Endovascular Care, [Surgery - Vascular and Endovascular](#)

Department [Surgery](#)
[UC Davis Medical Group](#)

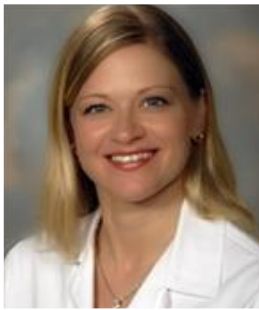
Division Vascular Surgery

Clinic Vascular Surgery Clinic
UC Davis Medical Group, Elk Grove

Center/Program Affiliation [Cardiovascular Services](#)
[Vascular Center](#)
[UC Davis Medical Group](#)

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Additional Phone Fax: 916-734-3801

Physician Referrals: 800-4-UCDAVIS (800-482-3284)

Education M.D., Texas A&M Univeristy, College Station TX 2003

M.A.S., Clinical Research Studies, UC Davis, Sacramento CA 2012-2014

B.S., Texas A&M University, Corpus Christi TX 2003

Internships General Surgery, University of California-Davis, Sacramento CA 2003-2004

Residency General Surgery, University of California-Davis, Sacramento CA 2004-2010

Fellowships Oncologic Research, Sloan Kettering Cancer Center, New York NY 2006-2007

Vascular Surgery, University of Utah, Salt Lake City UT 2010-2012

Board Certifications American Board of Surgery - General Surgery, 2010

American Board of Surgery - Vascular Surgery

Professional Memberships American College of Surgeons, Fellow

American Medical Association

Comparative Effectiveness Committee, Society for Vascular Surgery

Membership Committee, Western Vascular Society

Northern California Vascular Society

Pacific Coast Surgical Society

Resident/Student Outreach Committee - Society of Vascular Surgery, Young Surgeons Committee

Sacramento Surgical Society

Society for Vascular Surgery

Vascular and Endovascular Surgical Society, Member, Liaison for the Young Surgeons Committee and Resident/Student Outreach

Western Vascular Society

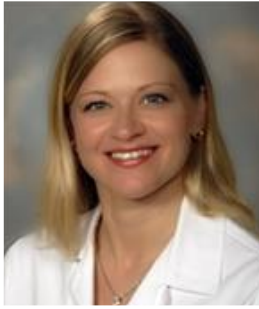
Honors and Awards Academic General Vascular/Aortic Surgeon Search Committee, 2016

Present Director - 4th Year Vascular Clerkship, UC Davis Medical Center, 2013

Chair - New Product Lines Task Force, Department of Surgery, UC Davis Medical Center., 2013

Present Member - Clinical Operations and Marketing Committee, UC Davis Medical Center., 2015

Member - General Surgery Steering Committee., 2006



Misty D. Humphries, M.D., M.A.S., RPVI, F.A.C.S.

Select Recent Publications

Winner, Pacific Northwest Endovascular Resident Skills Competition, 2010

Class Vice-President, Texas A&M College of Medicine, Elected, 2003

Texas Department of Health Outstanding Rural Scholarship, 1999

Academic Honors, Texas A&M University Corpus Christi, 1999

Humphries MD, Brunson A, Hedayati N, Romano P, Melnikow J. Amputation Risk in Patients With Diabetes Mellitus and Peripheral Artery Disease Using Statewide Data. *Annals of Vascular Surgery*. 2016 Jan;30:123-31.

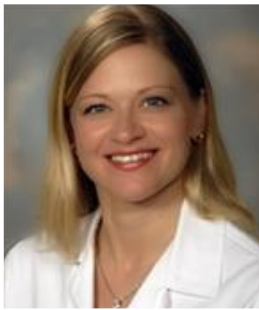
Baker AC, Humphries MD, Noll RE, Salham N, Williams TK, Clouse WD. Technical and Early Outcomes Using Ultrasound Guided Reentry For Chronic Total Occlusions. *Annals of Vascular Surgery*. 2015;29(1):55-62.

Klausner JQ, Lawrence PF, Harlander-Locke MP, Coleman DM, Stanley JC, Fujimura N, Itoga NK, Mell MW, Duncan AA, Oderich GS, Rizvi AZ, Inui T, Hye RJ, Pak P, Lee C, Cayne NS, Loeffler J, Humphries MD, Abularrage C, Bove PG, Feezor RJ, Azarbal AF, Smeds MR, Ladowski JM, Ladowski JS, Leung VM, Hsiang YN, Sominguez J, Weaver FA, Morasch MD. The Contemporary Management of Renal Artery Aneurysms. *Journal of Vascular Surgery*. 2015;61(4):978-84.

Hedayati, N, Humphries, MD, Zhou, W. Gender and Outcomes of Carotid Artery Interventions. *Vascular and Endovascular Surgery*. 2014;48(2):99-105.

Lawrence, PF, Harlander-Locke, MP, Oderich, GS, Humphries, MD, Landry, GJ, Ballard, JL, Abularrage, CJ, The Current Management of Isolated Degenerative Femoral Artery Aneurysms is too Aggressive for Their Natural History. *Journal of Vascular Surgery*. 2014;59(2):343-9.

Humphries MD, Paz J, Armstrong E, Laird J, Pevac WC. Mid Term Outcomes of Covered Versus Bare Metal Balloon Expandable Stents for Aortoiliac Occlusive Disease. *Journal of Vascular Surgery*. 2014;60(2):337-44.



Misty D. Humphries, M.D., M.A.S., RPVI, F.A.C.S.

Humphries MD, Pevec WC, Laird JR, Yao KK, Hedayati N, Dawson DL. Early Duplex Scanning after Infrainguinal Endovascular Therapy. *J Vasc Surg.* 2011 Feb; 53(2):353-8

Humphries MD, Dawson DL. Asymptomatic Bilateral External Iliac Vein Aneurysms in a Young Athlete: Case Report and Literature Review. *J Vasc Endovasc Surg.* 2010 Oct; 44(7) 594-6

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Anne A. Knowlton, M.D.

Clinical Interests

Dr. Anne A. Knowlton specializes in cardiology, with particular interests in atrial fibrillation and heart failure. She graduated from Harvard University magna cum laude with a degree in biology. After earning her medical degree from Yale University and doing her internship and residency training at Boston City Hospital, Dr. Knowlton completed a cardiology fellowship at Boston University Medical Center. She was honored with a National Research Award as a postdoctoral fellow at the Cardiovascular Institute at Boston University School of Medicine from 1984 to 1986.

Research/Academic Interests

Dr. Knowlton has research interests in heat shock protein, apoptosis, heart failure, estrogen and aging. She has written numerous papers and several book chapters on topics related to cardiovascular medicine and serves on the editorial board of the Journal of Heart Disease and Open Autoimmunity.

Synopsis: The research in our laboratory focuses in 4 areas related to the protective properties of heat shock proteins (HSPs), and a developing area of research on aging, estrogen and mechanisms of cardiovascular disease. These four areas of research are:

- 1) Mechanisms underlying the protective properties of HSP72 in the cell, with particular focus of localization of HSP72 to the nucleus with stress.
- 2) Role of HSP60 in apoptosis and heart failure; we are interested in whether HSPs in heart failure paradoxically have a detrimental effect on the heart mediated by the immune system and an inflammatory response.
- 3) Estrogen and the HSPs - regulation of expression of HSPs by estrogen in cardiac myocytes and endothelial cells.
- 4) Estrogen, aging and the cardiovascular system.

We are interested in the interaction of aging and estrogen loss on the expression of HSP72 in the heart, and what impact this has on the response to ischemia. We use simulated ischemia of isolated cardiac myocytes, endothelial cell culture and failing hearts as models in our work. We are particularly interested in protein localization and post-translational modification, and the effect of disease on this.

In studying particular aspects of HSP function we use various molecular methods including yeast-2-hybrid, site-directed mutagenesis and overexpression systems to study the effects of these changes. Our overall goal is to better understand cardiovascular injury in order to develop better treatments.

Title

Professor
Staff Cardiologist at VA Medical Center



Anne A. Knowlton, M.D.

Specialty	Cardiology , Cardiovascular Medicine , Internal Medicine
Department	Internal Medicine
Division	Cardiovascular Medicine
Center/Program Affiliation	Cardiovascular Services
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Email	aaknowlton@ucdavis.edu
Education	M.D., Yale University, New Haven CT 1979 Cell Biology, Yale University, New Haven CT 1974-1977 A.B., Harvard University, Boston MA 1974
Internships	Internal Medicine, Boston City Hospital, Boston MA 1979-1980
Residency	Internal Medicine, Boston City Hospital, Boston MA 1980-1982
Fellowships	Cardiology, Boston University Medical Center, Boston MA 1982-1984
Board Certifications	American Board of Internal Medicine, 1984 American Board of Internal Medicine, Cardiology, 1987
Professional Memberships	American College of Cardiology American Heart Association American Physiological Society Council on Basic Science International Society for Heart Research
Honors and Awards	Albrecht Fleckenstein Memorial Award for Distinguished Contribution to Basic Research, International, 2013 Vice Chancellor's Faculty Award for Excellence and Achievement, University of California, Davis, 2007



Anne A. Knowlton, M.D.

Patient Service Award, VA Medical Center, 2000

Select Recent Publications

To view a detailed list of Dr. Knowlton's publications, please [click here](#).

Chen L, Liu T, Tran A, Lu X, Tomilov AA, Davies V, Cortopassi G, Chiamvimonvat N, Bers DM, Votruba M, Knowlton AA. OPA1 mutation and late-onset cardiomyopathy: mitochondrial dysfunction and mtDNA instability. *J Am Heart Assoc.* 2012 Oct;1(5):e003012.

Stice, J.P., L. Chen, S.C. Kim, J.S. Jung, A. L. Tran, T. T. Liu and A.A. Knowlton. 17 β -Estradiol, Aging, Inflammation and the Stress Response in the Female Heart. *Endocrinology*, 2011;152:1589-98

A.S. Pechenino, L. Lin, F. N. Mbai, A. R. Lee, X. M. He, J. N. Stallone and A. A. Knowlton. Impact of Aging vs. Estrogen Loss on Cardiac Gene Expression: Late Estrogen Replacement and Inflammation. *Physiologic Genomics*, 2011; 43:1065-1073

Wang, Y., L. Chen, N. Hagiwara, and A. A. Knowlton. Regulation of Heat Shock Protein (HSP) 60 and 72 Expression in the Failing Heart. *J. Mol. Cell. Cardiol.* 2010;48:360-366

Kim SC, Stice JP, Chen L, Jung JS, Gupta S, Wang Y, Baumgarten G, Trial J, Knowlton AA. Extracellular heat shock protein 60, cardiac myocytes, and apoptosis. *Circ Res.* 2009 Dec 4;105(12):1186-95.

Chen L, Gong Q, Stice JP, Knowlton AA. Mitochondrial OPA1, apoptosis, and heart failure. *Cardiovasc Res.* 2009 Oct 1;84(1):91-9.

Lin L, Kim SC, Wang Y, Gupta S, Davis B, Simon SI, Torre-Amione G, Knowlton AA. HSP60 in heart failure: abnormal distribution and role in cardiac myocyte apoptosis. *Am J Physiol Heart Circ Physiol.* 2007 Oct;293(4):H2238-47.

Bozkurt B, Agoston I, Knowlton AA. Complications of inappropriate use of spironolactone in heart failure: when an old medicine spirals out of new guidelines. *J Am Coll Cardiol.* 2003 Jan 15;41(2):



Anne A. Knowlton, M.D.

211-4.

Howell MD, Geraci JM, Knowlton AA. Congestive heart failure and outpatient risk of venous thromboembolism: a retrospective, case-control study. *J Clin Epidemiol.* 2001 Aug;54(8):810-6.

Knowlton AA, Kapadia S, Torre-Amione G, Durand JB, Bies R, Young J, Mann DL. Differential expression of heat shock proteins in normal and failing human hearts. *J Mol Cell Cardiol.* 1998 Apr;30(4):811-8.

Knowlton AA, Brecher P, Apstein CS. Rapid expression of heat shock protein in the rabbit after brief cardiac ischemia. *J Clin Invest.* 1991 Jan;87(1):139-47.

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John R. Laird, M.D.

John R. Laird welcomes LGBT patients.

Philosophy of Care

To provide comprehensive cardiovascular care including preventative approaches, optimal medical care and state of the art, minimally invasive therapies.

Clinical Interests

Dr. Laird is an internationally renowned interventional cardiologist who has lectured and performed endovascular procedures around the world. He has also been a leader in the development of Drug Coated Balloon for peripheral artery disease.

His practice focuses on interventions for carotid artery disease, abdominal and thoracic aortic aneurysmal disease, renal artery disease and peripheral artery disease. Among his many areas of leadership and innovation are the investigation of new stents for carotid and peripheral vascular applications and the development of laser angioplasty.

He uses the Excimer laser as a tool for complex peripheral interventions and in limb salvage situations. Dr. Laird is known for innovation, teaching vascular interventions to other physicians, and his role in organizing and conducting clinical trials of new therapies for vascular disease.

Research/Academic Interests

Dr. Laird's research interests include:

1-Innovative approaches to the treatment of peripheral artery disease including new stent designs, drug eluting stents, and drug coated balloons.

2-Stent grafts for abdominal and thoracic aneurysms.

3-Stem cell therapies for advanced peripheral artery disease.

4-New stents for carotid artery disease.

Title Medical Director, UC Davis Vascular Center
Professor of Medicine

Specialty [Cardiology](#), [Cardiovascular Medicine](#), Internal Medicine, Interventional Cardiology, Vascular and Endovascular Care

Department [Internal Medicine](#)

Division Cardiovascular Medicine

Center/Program Affiliation [Cardiovascular Services](#)

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Additional Phone Physician Referrals: 800-4-UCDAVIS (800-482-3284)



John R. Laird, M.D.

- Education** M.D., Albany Medical College, Albany NY 1984
- Internships** Madigan Army Medical Center, Tacoma WA 1985
- Residency** Madigan Army Medical Center, Tacoma WA 1987
- Fellowships** Walter Reed Army Medical Center, Washington DC 1990
- Board Certifications** American Board of Internal Medicine, 1987
American Board of Internal Medicine, Cardiovascular Disease, 1989
American Board of Internal Medicine, Interventional Cardiology, 1999
- Professional Memberships** American College of Cardiology
American College of Physicians
American Heart Association
International Society of Endovascular Specialists
Society for Cardiac Angiography and Interventions
- Honors and Awards** LIVE (Leader in Vascular Education) Award, VIVA, 2013
- Select Recent Publications** Laird JR, Schneider PA, Tepe G, Brodmann M, Zeller T, Metzger C, Krishnan P, Scheinert D, Micari A, Cohen D, Wang H, Hasenbank MS, Jaff MR, for the IN.PACT SFA Trial Investigators. Durability of Treatment Effect Using a Drug-Coated Balloon for Femoropopliteal Lesions. 24-Month Results of IN.PACT SFA. J Am Coll Cardiol. 2015 Dec 1;66(21): 2329-38.
- Laird JR, Singh GD. Drug Coated Balloons as the New Standard of Care for Femoropopliteal In-Stent Restenosis: Fair Assumption? Circulation. J of the Am Heart Assoc. 2015 Dec 8;132(23): 2198-200.
- Armstrong EJ, Thiruvoipati T, Tanganyika K, Singh GD, Laird JR. Laser Atherectomy for Treatment of Femoropopliteal In-Stent Restenosis. J of Endovasc Ther. 2015 Aug;22(4):506-513.
- Armstrong EJ, Chen DC, Singh GD, Amsterdam EZ, Laird JR. Angiotensin-Converting Enzyme Inhibitors are Associated with Reduced Major Adverse Cardiovascular Events Among Patients with



John R. Laird, M.D.

Critical Limb Ischemia. *Vasc Med.* 2015 Jun;20(3):237-44.

Tepe G, Laird J, Schneider P, Brodmann M, Krishnan P, Micari A, Metzger C, Scheinert D, Zeller T, Cohen DJ, Snead DB, Alexander B, Landini M, Jaff MR. Drug-Coated Balloon Versus Standard Percutaneous Transluminal Angioplasty for the Treatment of Superficial Femoral and Popliteal Artery Disease: 12-Month Results from the IN.PACT SFA Randomized Trial. *Circulation.* 2015 Feb 3;131(5):495-502.

Laird JR, Armstrong EJ. Drug Coated Balloons for Infrapopliteal Disease: Digging Deep to Understand the Impact of a Negative Trial. *J Am Coll Cardiol.* 2014 Oct 14;64(15):1577-9.

Armstrong EJ, Wu J, Singh GD, Ware K, Dawson DL, Pevac WC, Amsterdam EA, Laird JR. Smoking Cessation is Associated With Decreased Mortality and Improved Amputation-Free Survival Among Patients with Symptomatic Peripheral Artery Disease. *J Vasc Surg.* 2014 Dec;60(6):1565-1571.

Singh S, Armstrong EJ, Sherif W, Alvandi B, Westin GG, Singh GD, Amsterdam EA, Laird JR. Association of Elevated Fasting Glucose with Restenosis and Major Adverse Limb Events Among Patients with Diabetes Undergoing Infrapopliteal Balloon Angioplasty. *Vasc Med.* 2014 Jun 17;19(4):307-314.

Armstrong EJ, Laird JR. Treatment of Femoropopliteal In-Stent Restenosis for Patients with Diabetes: Do We Have an Answer to the DEBATE? *J Endovasc Ther.* 2014 Feb;21(1):9-11.

Laird JR, Jain A, Zeller T, Feldman R, Scheinert D, Popma JJ, Armstrong EJ, Jaff MR. Nitinol Stent Implantation in the Superficial Femoral Artery and Proximal Popliteal Artery: 12 Month Results From the Complete SE Trial. *J Endovasc Ther.* 2014 Apr;21(2):202-12.



John R. Laird, M.D.

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Lawrence J. Laslett, M.D.

Clinical Interests	Lawrence J. Laslett specializes in general cardiology, providing both short- and long-term cardiac care. His practice focuses on acute-care cardiac problems, (particularly coronary disease), including diagnostic catheterization, coronary angioplasty and stent placement. Laslett's research involves the effects of angiographic contrast on left ventricular function and dynamic resistance exercise on myocardial oxygen supply and demand. He is also assessing post-thrombosis coronary anatomy, potential myocardial injury from high-intensity endurance running, and the impact of serologic infarct markers on prognosis for "rule out" MI patients.
Title	Professor Emeritus
Specialty	Cardiology , Cardiovascular Medicine , Internal Medicine
Department	Internal Medicine
Center/Program Affiliation	Cardiovascular Services UC Davis Medical Group
Address/Phone	Lawrence J. Ellison Ambulatory Care Center, Cardiology Clinic, 4860 Y St. Suite 0200 Sacramento, CA 95817 Phone: 800-282-3284
Additional Phone	Physician Referrals: 916-734-5678
Education	M.D., University of Iowa College of Medicine, Iowa City, Iowa, 1969 B.S., Iowa State University, Ames, Iowa, 1964
Internships	Hennepin County General Hospital, Minneapolis, Minnesota, 1970
Residency	University of California, Davis Medical Center, Sacramento, California, 1976
Fellowships	University of California, Davis Medical Center, Sacramento, California, 1978
Board Certifications	American Board of Internal Medicine, 1976 American Board of Internal Medicine, Cardiovascular Medicine, 1981
Professional Memberships	American College of Cardiology American Heart Association
Honors and Awards	Service Award, California Chapter, American College of Cardiology, 2000



Lawrence J. Laslett, M.D.

Kaiser Foundation Annual Award for Excellence in Clinical Science Teaching, 2000

Select Recent Publications

- Hawkes WC, Laslett LJ. Selenium supplementation does not improve vascular responsiveness in healthy North American men. *American Journal Physiology Heart Circulation Physiology* 2009; 296:H256-H262.
- Hecker JG, Laslett L, Campbell E, Nunnally M, O'Connor A, Ellis JE, Frogel JK, Fleisher LA. Catastrophic Cardiovascular Collapse During Carotid Endarterectomy. *Journal of Cardiothoracic and Vascular Anesthesia* 2006;20:259-268.
- Wang H, Laslett LJ, Richman CM, Wun T. Acute myocardial infarction in hemoglobin SC disease. *Annals of Hematology* 2004;83:622-624.
- Laslett L. Did you know? Chelation therapy: New proof of lack of efficacy. *Preventive Cardiology* 2002;2:91-92.
- Laslett L. Exercise electrocardiography in the asymptomatic patient. Chapter 8 in: Ellestad MH, Amsterdam EA, Exercise Testing. *New Concepts for the New Century*. Kluwer Academic Publishers, Boston, 2002
- Amsterdam EA, Laslett L, Diercks D, Kirk JD. Reducing the knowledge-practice gap in the management of patients with cardiovascular disease. *Preventive Cardiology* 2002;1:12-15.
- Schaefer S, SD Correa, L Laslett, RJ Valente. Blockade of adenosine receptors with aminophylline limits ischemic preconditioning in man. *American Heart Journal* 142:E4, 2001.
- Laslett L, Eisenbud E. Lack of detection of myocardial injury during competitive races of 100 miles lasting 18 to 30 hours. *American Journal of Cardiology* 1997;80:379-380
- Laslett L. Risk for exercise-induced myocardial injury for athletes performing prolonged strenuous endurance exercise - Reply. *American Journal of Cardiology* 1997;80:544
- Laslett L, Eisenbud E, Lind R. Evidence of Myocardial Injury During Prolonged Strenuous Exercise. *American Journal of Cardiology* 1996;78:488-490
- Laslett L. Normal left coronary artery diameter can be predicted from diameters of its branch vessels *Clinical Cardiology* 1995;18:580-582
- Schaefer A, R Valente, Laslett L, JC Longhurst. Cardiac reflex effects of intracoronary bradykinin in humans *Journal of American Coll. Cardiology Invest. Medicine* 1995;44:160-176

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Richard E. Latchaw, M.D.

Clinical Interests	<p>Richard E. Latchaw, M.D., Professor of Radiology at the UC Davis Medical Center since 2002, has been a practitioner of diagnostic and interventional Neuroradiology for the past 38 years. Dr. Latchaw has been a leader in the development of Diagnostic Neuroradiology throughout his career. He is internationally known for his work in the diagnosis and treatment of acute ischemic stroke, including the evaluation of cerebral perfusion. He has performed all forms of image-guided procedures in the head, neck, and spine, including recanalization of acutely occluded vessels; intracranial and extracranial angioplasty and stenting; pre-operative embolization of intracranial and extracranial tumors; and ablation of aneurysms, vascular malformations and arteriovenous fistulae of the head, neck and spine. His current research interests are the development of thrombectomy devices for the entire body, both arterial and venous; catheter-based systems for the infusion of chemotherapy and stem cells to treat brain tumors and other abnormalities; and catheter-based systems to monitor the traumatized brain.</p>
Title	Professor
Specialty	Cancer , Radiology , Radiology - Diagnostic Radiology, Radiology - Neuroradiology, Vascular and Endovascular Care
Department	Radiology
Division	Neuroradiology
Center/Program Affiliation	Cardiovascular Services UC Davis Comprehensive Cancer Center
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Additional Phone	Physician Referrals: 800-4-UCDAVIS (800-482-3284)
Education	M.D., University of Minnesota Medical School, Minneapolis, Minnesota, 1968 B.S., University of Minnesota, Minneapolis, Minnesota, 1966
Internships	Yale-New Haven Hospital, New Haven, Connecticut, 1969



Richard E. Latchaw, M.D.

Residency	University of Michigan, Ann Arbor, Michigan, 1969-1971
Fellowships	University of Michigan, Ann Arbor, Michigan, 1971-1973
Board Certifications	American Board of Radiology, Diagnostic Radiology, 1973 American Board of Radiology, Neuroradiology, 1995 American Board of Radiology, Neuroradiology, 2007
Professional Memberships	American College of Radiology, Fellow American Society of Neuroradiology American Society of Pediatric Neuroradiology American Stroke Association Cardiovascular Council, American Heart Association Fred Jenner Hodges Society (Alumni, University of Michigan Department of Radiology) International Society of Magnetic Resonance in Medicine Radiological Society of North America Society of Neurointerventional Surgery Stroke Council, American Heart Association
Honors and Awards	Radiology Editor's Recognition Award for Reviewing, w/Distinction, 1999 Honorary Member, Neuroradiology Association of Columbia, 1999 Honorary Member, Mexican Neuroradiology Society, 1996 Honorary Member, Radiology Society of Chile, 1994 Radiology Editor's Recognition Award for reviewing, w/Distinction, 1991 Honorary Member, French Canadian Society of Radiology, 1987 Alpha Omega Alpha, University of Minnesota School of Medicine, 1968 Scholarship for three months foreign study under Student Project for Amity among Nations. Thesis: Medicine in a Developing Country: A Survey of the Medical System of Tanganyika, 1963
Select Recent Publications	Latchaw RE, Alberts MJ, Lev MH, et al. Recommendations for imaging of acute ischemic stroke: a scientific statement from the American Heart Association. <i>Stroke</i> . Nov 2009; 40(11):3646-3678. Shahlaie K, Boggan JE, Latchaw RE, Ji C, Muizelaar JP. Posttraumatic vasospasm detected by continuous brain tissue oxygen monitoring: treatment with intraarterial verapamil and balloon angioplasty. <i>Neurocrit Care</i> . 2009; 10(1):61-69. Kile SJ, Camilleri CC, Latchaw RE, Tharp BR. Bithalamic lesions of butane encephalopathy. <i>Pediatr Neurol</i> . Dec 2006; 35(6):439-441. Latchaw RE, Kucharczyk J, Moseley ME (eds), <i>Imaging of the Nervous System: Diagnostic and</i>



Richard E. Latchaw, M.D.

Therapeutic Applications. Elsevier-Mosby Co. (Philadelphia, PA) 2005.

Alberts MJ, Latchaw RE, Selman WR, et al. Recommendations for comprehensive stroke centers: a consensus statement from the Brain Attack Coalition. *Stroke*. Jul 2005; 36(7): 1597-1616.

Dublin AB, Hartman J, Latchaw RE, Hald JK, Reid MH. The vertebral body fracture in osteoporosis: restoration of height using percutaneous vertebroplasty. *AJNR Am J Neuroradiol*. Mar 2005; 26(3): 489-492.

Bader LJ, Carter KD, Latchaw RE, Ellis WG, Wexler JA, Watson JC. Simultaneous symptomatic Rathke's cleft cyst and GH secreting pituitary adenoma: a case report. *Pituitary*. 2004; 7(1):39-44.

Latchaw RE. Cerebral perfusion imaging in acute stroke. *J Vase Interv Radiol*. Jan 2004; 15(1 Pt 2): S29-46.

Kapoor V, Rothfus WE, Grahovac SZ, Latchaw RE. Radicular pain avoidance during needle placement in lumbar diskography. *AJR Am J Roentgenol*. Oct 2003; 181(4):1149-1154.

Latchaw RE, Yonas H, Hunter GJ, et al. Guidelines and recommendations for perfusion imaging in cerebral ischemia: A scientific statement for healthcare professionals by the writing group on perfusion imaging, from the Council on Cardiovascular Radiology of the American Heart Association. *Stroke*. Apr 2003; 34(4):1084-1104.

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Eugene S. Lee, M.D., Ph.D.

Clinical Interests	Eugene S. Lee has an interest in surgical treatment of carotid, aneurysmal, dialysis access, and peripheral vascular disease. He has particular experience with aortic stent grafts as well as hemodialysis access surgery. Dr. Lee's research interests include outcomes evaluation regarding vascular surgical intervention. He has evaluated monitoring ischemic complications after aneurysm surgery and the utility of a large aortic screening program at the Northern California VA Health Care System. He conducts translational projects evaluating monocyte and matrix metalloproteinase activity in vascular remodeling for arteriovenous fistula maturation.
Title	Associate Professor
Specialty	Surgery - Vascular and Endovascular , Vascular and Endovascular Care
Department	Surgery
Division	Vascular Surgery
Center/Program Affiliation	Cardiovascular Services
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Additional Phone	Physician Referrals: 800-4-UCDAVIS (800-482-3284)
Education	M.D., Tufts University School of Medicine, Boston, Massachusetts, 1994 Ph.D., University of Minnesota Medical School, Minneapolis, Minnesota, 2002 B.A., Cornell University, Ithaca, New York, 1990
Internships	University of Minnesota, Minneapolis, Minnesota, 1994-95
Residency	University of Minnesota, Minneapolis, Minnesota, 1995-2002
Fellowships	Stanford University, Stanford, California, 2002-04
Board Certifications	American Board of Surgery, 2003 American Board of Surgery - General Vascular Surgery, 2006 Physician Vascular Interpreter Certificate, 2009



Eugene S. Lee, M.D., Ph.D.

Professional Memberships

American College of Surgeons, Fellow
Association of Academic Surgeons
Peripheral Vascular Surgery Society
Society for Clinical Vascular Surgery
Society for Vascular Surgery
Western Vascular Society

Select Recent Publications

Sun, C, M.H. Wu, M. Guo, M.L. Day, E.S. Lee, S.Y. Yuan. ADAM 15 regulates endothelial permeability and neutrophil migration via Src/ERK1/2 signaling. *Cardiovascular Research*. 2010; 87:348-355.

Lee, E.S., D.L. Dawson. The management of large bilateral internal iliac artery aneurysms using the T-stat colon oximeter. *Annals of Vascular Surgery*. 2010 Jan;24(1):115.e1-4. Epub 2009 Sep 17.

Lee, E.S., Q. Shen, R.L. Pitts, M. Guo, M.H. Wu, S.Y. Yuan. Vein tissue expression of matrix metalloproteinase as biomarker for hemodialysis arteriovenous fistula maturation. *Vascular and Endovascular Surgery*. 2010;44(8):674-679.

Lee, E.S., E Pickett, DL Dawson, N Hedayati, WE Pevec. Implementation of an aortic screening program in clinical practice: implications for the screening for abdominal aortic aneurysms very efficiently (SAAA VE) act. *Journal of Vascular Surgery*. 2009; 49(5):1107-1111.

Lee, E.S., E Pickett, DL Dawson, N Hedayati, WE Pevec. Implementation of an aortic screening program in clinical practice: implications for the screening for abdominal aortic aneurysms very efficiently (SAAAVE) act. *Journal of Vascular Surgery*. 2009; 49(5):1107-1111.

S. Elliott, E.S. Lee. Surgical Resident Research Productivity Over 16 years. *Journal of Surgical Research*. 2009; 153(1): 148-151.

Dawson, D.L., E.S. Lee, N. Hedayati, W.E. Pevec. Four-year experience with a regional program providing simulation-based endovascular training for vascular surgery fellows. *Journal of Surgical Education*. 2009 Nov-Dec;66(6):330-5.

Kumar, P., Q. Shen., e.D. Pivetti, E.S. Lee, M.H.Wu, s.v. Yuan. Molecular mechanisms of endothelial hyperpermeability: implications in inflammation. *Expert Reviews in Molecular Medicine*. 2009; Jun30:11:e19.

Lee, E.S., D. DelPizzo, K. Murray, S. Harris, M.A. Kuskowski, w.e. Pevec, D.L. Dawson. Predictors of a technically limited renal artery duplex study: a retrospective analysis. *Journal of Vascular Ultrasound*. 2009; 33(4): 181-183.

Lee, E.S., WE Pevec, DP Link, DL Dawson. Use of T-stat to predict colonic ischemia during and after endovascular aneurysm repair: A case report. *Journal of Vascular Surgery*. 2008; 67:632-634.

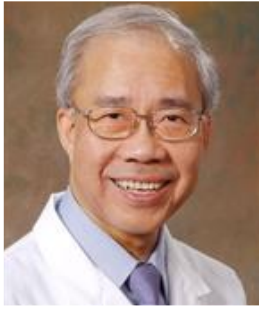


Eugene S. Lee, M.D., Ph.D.

Lee, E.S., D.L. Dawson, W.C. Pevec. Vascular Surgery: An Update. American Family Physician 75 (1): 85 - 90, 2007

D.L. Dawson, J. Meyer, Lee, E.S., W.C. Pevec. Training With Simulation Improves Residents' Endovascular Procedure Skills: Journal of Vascular Surgery, 45:149 - 154, 2007

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Tennyson G. Lee, M.D.

Philosophy of Care Cardiology is one of the most dynamic areas of medicine because innovations in the diagnosis and treatment of heart disease are emerging constantly. In my practice, I try to educate patients so they can become knowledgeable about their heart condition and become active participants in their treatment and preventive care. As a cardiologist, I provide diagnostic and treatment options to my patients and guide them in making decisions about their care.

Clinical Interests Tennyson G. Lee diagnoses heart disease and provides a spectrum of treatment options for his patients. He educates patients about their health condition and then guides them through a variety of decisions concerning their care.

Title Associate Physician

Specialty [Cardiology](#), [Cardiovascular Medicine](#)

Division UC Davis Medical Group, Auburn

Clinic UC Davis Medical Group, Auburn

Center/Program Affiliation [Cardiovascular Services](#)
[UC Davis Medical Group](#)

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Languages Cantonese

Education M.D., Creighton University School of Medicine, Omaha, Nebraska, 1973

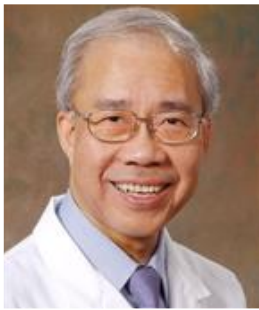
Internships Henry Ford Hospital, Detroit, Michigan, 1973-74

Residency Henry Ford Hospital, Detroit, Michigan, 1974-76

Fellowships Henry Ford Hospital, Detroit, Michigan, 1976-79

Board Certifications American Board of Internal Medicine, 1978
American Board of Internal Medicine, Cardiovascular Disease, 1981

Professional Memberships American College of Cardiology
American College of Chest Physicians



Tennyson G. Lee, M.D.

American College of Physicians
American Heart Association
American Medical Association

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William R. Lewis, M.D.

Clinical Interests	William R. Lewis' study of immediate exercise treadmill testing of chest pain patients in the emergency room has shown the safety and efficacy of this care pathway. He continues to be interested in appropriateness and accuracy of stress testing in selected populations.
Research/Academic Interests	Dr. Lewis is interested in immediate exercise testing for chest pain patients and the utility of noninvasive testing in subgroups (ie left bundle branch block).
Title	Health Sciences Clinical Professor, Division of Cardiovascular Medicine
Specialty	Cardiology , Cardiovascular Medicine , Internal Medicine
Department	Internal Medicine
Division	Cardiovascular Medicine
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Additional Phone	Physician Referrals: 800-4-UCDAVIS (800-482-3284)
Education	M.D., Duke University School of Medicine, Durham NC 1985 B.S., UC Davis, Davis CA 1978
Internships	Internal Medicine, UC Davis Medical Center, Sacramento CA 1986-1987
Residency	Internal Medicine, UC Davis Medical Center, Sacramento CA 1987-1989
Fellowships	Cardiovascular Medicine, UC Davis Medical Center, Sacramento CA 1989-1993
Board Certifications	American Board of Internal Medicine, 1989 American Board of Internal Medicine, Cardiovascular Medicine, 2011
Professional Memberships	American College of Cardiology California Chapter of the American College of Cardiology



William R. Lewis, M.D.

Sierra Sacramento Valley Medical Association

Select Recent Publications

Figueroa JA, Mansoor JK, Allen RP, Davis CE, Walby WF, Aksenov AA, Zhao W, Lewis WR, Schelegle ES. Exhaled volatile organic compounds in individuals with a history of high altitude pulmonary edema and varying hypoxia-induced responses. *J Breath Res.* 2015 Apr 20;9(2):026004.

Bukkapatnam RN, Gabler NB, Lewis WR. Statins for primary prevention of cardiovascular mortality in women: a systematic review and meta-analysis. *Prev Cardiol.* 2010 Spring;13(2):84-90.

Lewis WR. The politics of health care. *Rev Cardiovasc Med.* 2010 Winter;11(1):41-2.

Sauvé MJ, Lewis WR, Blankenbiller M, Rickabaugh B, Pressler SJ. Cognitive impairments in chronic heart failure: a case controlled study. *J Card Fail.* 2009 Feb;15(1):1-10.

Karnik RS, W Lewis, P Miles, L Baker. The effect of beta-blockade on heart rate recovery following exercise stress echocardiography. *Preventive Cardiology* 11(1):26-28, 2008.

Lewis WR, Ganim R, Sabapathy R. Utility of stress echocardiography in identifying significant coronary artery disease in patients with left bundle-branch block. *Crit Pathw Cardiol.* 2007 Sep;6(3):127-30.

Lewis WR and EA Amsterdam. Predictive instruments, critical care pathways, algorithms, and protocols in the rapid evaluation of chest pain. *Critical Pathways in Cardiology*; 4:30-36, 2005.

Amsterdam EA, Kirk JD, Diercks DB, Lewis WR, Turnipseed SD. Exercise testing in chest pain units: rationale, implementation, and results. *Cardiol Clin.* 2005 Nov;23(4):503-16, vii. Review.

Amsterdam EA, JD Kirk, DB Diercks, SD Turnipseed, and WR Lewis. Early exercise testing for risk stratification of low-risk patients in chest pain centers. *Critical Pathways in Cardiology*; 3(3):114-



William R. Lewis, M.D.

120, 2004.

Lewis WR. Echocardiography in the evaluation of patients in chest pain units. *Cardiol Clin*. 2005 Nov;23(4):531-9, vii. Review.

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Daniel P. Link, M.D.

Clinical Interests	Dr. Link specializes in radiological diagnosis and interventional evaluation for vascular malformations of various disease systems and the treatment of varicose veins as well as other venous conditions. He also provides angiography services and arterial embolization therapy. His research centers on blood-flow measurement techniques, with investigations into new embolic agents, combination embolic therapies, liver blood flow, and microscopic anatomical changes (histopathology) of chronic arterial occlusions.
Title	Chief of Interventional and Vascular Radiology Director of Vein Program Professor
Specialty	Radiology , Radiology - Interventional Radiology, Vascular and Endovascular Care
Department	Radiology
Division	Interventional Radiology
Center/Program Affiliation	Cardiovascular Services Vascular Center
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Education	M.D., Oregon Health & Science University School of Medicine, Portland, Oregon, 1969 B.A., Willamette University, Salem, Oregon, 1965
Internships	UC Davis Medical Center, Sacramento, California, 1969-1970
Residency	Sutter Community Hospitals, Sacramento, California, 1971-1973 UC Davis Medical Center, Sacramento, California, 1970-1971 UC Davis Medical Center, Sacramento, California, 1973-1974
Fellowships	Lunds Universite, Malmo, Sweden, 1975-1976
Board Certifications	American Board of Radiology, 1974 American Board of Radiology, Vascular and Interventional Radiology, 1995



Daniel P. Link, M.D.

Professional Memberships

American Association of Clinical Anatomists
American College of Radiology
American Heart Association
American Roentgen Ray Society
American society of Interventional & Therapeutic Neuroradiology
Association of University Radiologists
Northern California Radiological Society
Radiological Society of North America
Sacramento/El Dorado County Medical Society
Society of Cardiovascular and Interventional Radiology
Western Angiographic & Interventional Society

Select Recent Publications

Link DP, Yung-Wei Chi. Massive Hematochezia, a complication of Methamphetamine Induced vasculitis treated by transcatheter hemostasis. Case reports in Radiology. Volume 2011, Article ID 919236, 3 page doi:10.115/2011/919236

Monsky WL, Link DP. Nanotechnology Development and Utilization: A Primer for Diagnostic and Interventional Radiologists. RadioGraphics: September 2011.

Monsky WL, Garza AS, Loh S, Link DP. Snare technique for the placement of a peripherally inserted Central catheter in the neonatal and pediatric patient. *Journal of Vascular Access*:April-June 2010;11(2):100-5.

Link DP, Monsky W, Garza AS. Acquired peripheral arterial-venous malformations in patients with venous thrombosis: Report of 2 cases. *Journal of Vascular and Interventional Radiology*. 2010;21: 387-391.

2009 Link DP, Monsky WL, Garza AS. Congenital single, pelvic iliac artery: a case report. *Journal of Vascular and Interventional Radiology*, 20(9):1231-34, Sept.

2008 Holmes JF, Link DP, Scherer L, Bair AE. Images in Emergency Medicine. Profunda femoral artery pseudoaneurysm after a stab wound. *Annals of Emergency Medicine*, 51(3):330-342, Mar.

2008 Lee ES, Pevec WC, Link DP, Dawson DL. Use of T-Stat to predict colonic ischemia during and after endovascular aneurysm repair: A case report. *Journal of Vascular Surgery*, 47(3):632-634, Mar.

2008 Travis T, Monsky W, London J, Danielson M, Brock J, Wegelin J., Link DP. Evaluation of short-term and long-term complications after emergent internal iliac artery embolization in patients with pelvic trauma. *Journal of Vascular and Interventional Radiology*, Epub 2008 Apr 10; 19(6): 840-847, June.



Daniel P. Link, M.D.

2000 Hall WH, McGahan JP, Link DP, de Vere White RW. Combined embolization and percutaneous radiofrequency ablation of a solid renal tumor. *American Journal of Roentgenology*, 174(6):1592-1594, June.

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Tehani Anne Liyanage, M.B.B.S.

Clinical Interests	As well as providing general anesthesia, Dr. Liyanage also administers anesthesia to obstetric, neuro, geriatric and vascular patients. Dr. Liyanage's future research interests are in neuro anesthesiology.
Title	Assistant Clinical Professor
Specialty	Anesthesiology
Department	Anesthesiology
Division	General Anesthesiology
Center/Program Affiliation	Cardiovascular Services
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Languages	Sinhalese
Education	M.B.B.S., University of Kelaniya, Ragama, 1998
Internships	National Hospital, Colombo, 1999-2000 UC Davis Medical Center, Sacramento, California, 2004-2005
Residency	National Hospital, Colombo, 2001-2002 UC Davis Medical Center, Sacramento, California, 2005-2008
Board Certifications	American Board of Anesthesiology, 2009
Professional Memberships	American Society of Anesthesiologists California Society of Anesthesiologists Kaplan Honorary Society

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Javier Lopez, M.D.

Clinical Interests Javier E. Lopez is interested in studying how soluble factors may regulate the transition of cardiac myocytes from regeneration during fetal growth to hypertrophic growth postnatally. It is postulated that the lack of cardiac regeneration in the postnatal heart confounds the myocyte dysfunction, cell death and tissue fibrosis that is associated with decompensated heart failure. Our global hypothesis is that by manipulating the cardiac gene program of the failing heart with soluble factors (drugs), we may augment endogenous and/or transplanted cardiac myocyte regeneration to ameliorate the progression of left and/or right ventricular failure. My laboratory focus is in studying the fundamental mechanisms of this growth transition to enhance the translational efficacy of soluble factors (drugs) and cell-based strategies (stem-cells) for cardiac regeneration in the failing heart.

Title Assistant Adjunct Professor

Specialty [Cardiology](#), [Cardiovascular Medicine](#), Internal Medicine

Department [Internal Medicine](#)

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Education M.D., Temple University School of Medicine, Philadelphia, Pennsylvania, 1999

Internships University of Texas Southwestern, Parkland Hospital, Dallas, Texas, 2000



Javier Lopez, M.D.

- Residency** University of Texas Southwestern, Parkland Hospital, Dallas, Texas, 2002
- Fellowships** UC Davis, Sacramento, California, 2009
UC San Francisco, San Francisco, California, 2006
UC San Francisco, San Francisco, California, 2007
- Board Certifications** American Board of Internal Medicine, 2002
American Board of Internal Medicine, Cardiovascular Medicine, 2010
- Professional Memberships** Alpha Omega Alpha
Fellow and Scholar, Sarnoff Endowment for Cardiovascular Research
Member, American Heart Association, Basic Science Council
Member, International Society for Stem Cell Research
- Select Recent Publications** Sirish P, Li N, Liu J, Lee K, Hwang SH, Qiu H, Ma S, Lopez JE, Hammock BD, Chiamvimonvat N: Unique Mechanistic Insights into the Beneficial Effects of Soluble Epoxide Hydrolase Inhibitors in the Prevention of Cardiac Fibrosis. Proc Natl Acad Sci U S A, 2013
- Watt C, Sirish P, Chiamvimonvat N, López JE: MicroRNAs as a window into cellular processes occurring soon after acute myocardial infarction. World Congress of Heart Disease (Abstract) 2012.
- Lopez JE, Myagmar BE, Swigart PM, Montgomery MD, Haynam S, Bigos M, Rodrigo M, Simpson PC. Beta-Myosin Heavy Chain Is Induced by Pressure Overload in a Minor Sub-Population of Smaller Mouse Cardiac Myocytes. Circulation Research. 2011, 109:629-638.
- Sirish P, Lopez JE, Li N, Wong A, Timofeyev V, Young JN, Majdi M, Li RA, Chen HS, Chiamvimonvat N. (2012). MicroRNA profiling predicts a variance in the proliferative potential of cardiac progenitor cells derived from neonatal and adult murine hearts. J Mol Cell Cardiol. Jan;52 (1):264-72. Epub 2011 Oct 20.
- Timofeyev V, Porter CA, Tuteja D, Qiu H, Li N, Tang T, Singapuri A, Han PL, Lopez JE, Hammond KH, and Chiamvimonvat N. Disruption of Adenylyl Cyclase Type V does not Rescue the Phenotype of Cardiac-Specific Over-Expression of Gαq Protein-Induced Cardiomyopathy. American Journal of Physiology. 2010, 299(5):H1459-67.
- Lopez JE, Yeo K, Caputo G, Buonocore MH and Schaefer S. Recovery of methamphetamine-associated cardiomyopathy using late gadolinium contrast enhanced magnetic resonance imaging: case report. 2009. Journal of cardiovascular MR. 11:46.
- Epting CL*, Lopez JE*, Pendersen A, Brown C, Spitz P, Ursell PC, and Bernstein HS. Stem cell antigen-1 regulates the tempo of muscle repair through effects on proliferation of α7 integrin-



Javier Lopez, M.D.

expressing myoblasts. 2008. *Experimental Cell Research*. 314: 1125-1135. 2008. *co-authors listed alphabetically.

Lopez JE, Myagmar BE, Swigart P, Bigos M, Rodrigo M, Simpson PC. Beta-Myosin Heavy Chain induction after pressure overload is in a minor sub-population of myocytes and requires the Alpha-1A-Adrenergic Receptor. 2007. *Circulation Supplement*. 116(II) 19. Abstract.

Epting CL, Lopez JE, Shen X, Liu L, Bristow J, and Bernstein HS. Stem cell antigen-1 is necessary for cell-cycle withdrawal and myoblast differentiation in C2C12 cells. 2004. *Journal of Cell Science*. 117(25): 6185-6195.

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Reginald Low, M.D.

Clinical Interests	Reginald Low is a nationally recognized clinical investigator in cardiology who incorporates the best of leading-edge technology with the highest quality of patient care. His research focuses on coronary artery disease and developing minimally invasive methods of diagnosis and treatment.
Title	Chief of Cardiovascular Medicine Director of the Heart Center Professor Lum and Dere Endowed Professor in Cardiovascular Medicine
Specialty	Cardiology , Cardiovascular Medicine , Internal Medicine, Interventional Cardiology
Department	Internal Medicine
Division	Cardiovascular Medicine
Center/Program Affiliation	Cardiovascular Services
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Additional Phone	Physician Referrals: 916-734-5678
Education	M.D., UC Davis School of Medicine, Sacramento, California, 1975 B.A., UCLA, Los Angeles, California, 1969
Internships	University of California, Davis Medical Center, Sacramento, California, 1975-76
Residency	University of California, Davis Medical Center, Sacramento, California, 1976-78
Fellowships	University of California, Davis Medical Center, Sacramento, California, 1978-80
Board Certifications	American Board of Internal Medicine, 1978 American Board of Internal Medicine, Cardiovascular Medicine, 1981
Professional Memberships	American College of Angiology American College of Cardiology American College of Chest Physicians American College of Laser Medicine and Surgery



Reginald Low, M.D.

Select Recent Publications

American Heart Association

Sacramento-El Dorado County Medical Society

Treede H, Tubler T, Reichenspurner H, Grube E, Pascotto A, Franzen O, Mueller R, Low R, Bolling SF, Meinertz T, Schofer J. Six-month results of a repositionable and retrievable pericardial valve for transcatheter aortic valve replacement: the Direct Flow Medical aortic valve. *J Thorac Cardiovasc Surg* 2010 Oct;140(4):897-903.

feldman T, Kar S, Rinaldi M, Fail P, Hermiller J, Smalling R, Whitlow PL, Gray W, Low R, Herrmann HC, Lim S, Foster E, Glower D, for the EVEREST Investigators. Percutaneous mitral repair with the MitraClip system: safety and midterm durability in the initial EVEREST (endovascular Valve Edge-to-Edge REpair Study) cohort. *Journal of the American College of Cardiology* 2009; 54:686-694.

Li N, liu JY, Timofeyev V, Qiu H, Hwang SH, Tuteja D, Lu L, Yang J, Mochida H, Low R, Hammock BD, Chiamvimonvat N. Beneficial effects of soluble epoxide hydrolase inhibitors in myocardial infarction model: Insight gained using metabolomic approaches. *J Mol Cell Cardiol* 2009 Dec;47(6):835-45.

Rogers JH, Rahdert DA, Caputo GR, Takeda PA, Palacios IF, Tio FO, Taylor EA, Low RI. Long-term safety and durability of percutaneous septal sinus shortening (The PS2 System) in an ovine model. *Catherization and Cardiovascular Interventions* 2009; 73:540-548.

Taneja M, Tay KH, sebastian M, Pasupathy S, Lin SE, Teo T, Low R, Irani FG, Chng SP, Dewan A, Tan BS. Self-expanding nitinol stents in recanalisation of long-length superficial femoral artery occlusions in patients with critical limb ischaemia. *Singapore Med J* 2009 Dec;50(12):1184-8.

Low RI, Bolling SF, Yeo KK, Ebner A. Direct flow medical percutaneous aortic valve: proof of concept. *EuroIntervention* 2008;4(2):256-261.

Fellmeth, B.D., Baron, S.B., Brown, P.R., Ang, J.G., Clayton, K.R., Morrison, S.L., Low, R. Repair of postcatheterization femoral pseudoaneurysms by color flow ultrasound guided compression *AHJ* 1992 Feb;123(2):547-51

Lee, G., Reis, R.L., Boggan, M.D., Chan, M.C., Lee, M.H., Low, R., Hannah, H. 3d, Mason, C.T. Laser recanalization in severe end-stage peripheral vascular disease *American Journal of Cardiology* 1987 Feb 1;59(4):386-7

Low, R., Takeda, P., Lee, G., Mason, D.T. Potential efficacy of calcium antagonists and heparin in patients with embolic strokes *American Heart Journal* 1986 Dec; 112(6):1338-9

Lee, G., Ikeda, R.M., Chan, M.C., Lee, M.H., Rink, J.I., Reis, R.L. Theis, J.H., Low, R., Bommer, W. J., Kung, A.H., et al. Limitations, risks and complications of laser recanalization: a cautious approach warranted. *American Journal of Cardiology* 1985; Ju



Reginald Low, M.D.

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Peter G. Moore, M.D., Ph.D.

Clinical Interests	Dr. Moore's clinical and research interests involve cardiovascular and thoracic anesthesia as well as lung transplant anesthesia, subjects on which he has published widely in books and journals.
Research/Academic Interests	Dr. Moore has also conducted research investigating hypertonic saline, airway thermal volume in humans and its relation to body size, and the effects of calcitonin-gene related peptide (CGRP) and adenosine on regional coronary conductance in dogs with ventricular pacing.
Title	Professor
Specialty	Anesthesiology, Pain Medicine
Department	Anesthesiology
Division	General Anesthesiology
Center/Program Affiliation	Cardiovascular Services
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Education	M.D., University of Sydney, Sydney, New South Wales, 1972 Ph.D., University of Newcastle, Callaghan, New South Wales, 1991 B.S., University of Sydney, Sydney, New South Wales, 1972
Residency	Royal Brisbane Hospital, Brisbane, Australia, 1972 Royal Newcastle Hospital, Newcastle, Australia, 1973
Fellowships	Australian and New Zealand College of Anaesthetists, Melbourne, Australia, 1992 Royal Australasian College of Surgeons, Melbourne, Australia, 1977
Professional Memberships	American Association for the Advancement of Science American Medical Association American Society of Anesthesiologists American Society of Echocardiography Association of Anesthesia Clinical Directors Association of Anesthesiology Program Directors & Society of Academic Anesthesiology Chairs Association of University Anesthesiologists



Peter G. Moore, M.D., Ph.D.

Select Recent Publications

International Anesthesia Research Society

Society of Cardiovascular Anesthesiologists

Zhong C, Fleming NW, Lu X, Moore P and H Liu. Age-associated differences in gene expression in response to delayed anesthetic preconditioning. *Age*, 2012; (34) 1459-1472.

Lu X, Moore PG, Liu H, Schaefer S. Phosphorylation of ARC is a critical element in the antiapoptotic effect of anesthetic preconditioning. *Anesth Analg*, 2011; 112(3): 525-31.

Liu H, Moore PG. KATP channel blocker does not abolish the protective effect of Na/H exchange 1 inhibition against ischaemia/reperfusion in aged myocardium. *Eur J Anaesthesiol*, 2010; 27(8): 740-6.

Macres SM, Moore PG, Fishman SM: Acute Pain Management, Barash, Cullen, Stoelting, Cahalan and Stock, 6th edition, (ed), *Clinical Anesthesia*, 2009; Vol. Chapter 57, pp.1473-1504.

Konia M, Uppington J, Moore P, Liu H. Ascending aortic pseudoaneurysm: a late complication of coronary artery bypass. *Anesth Analg*, 2008; 106(3): 767-8.

Nguyen NT, Ho HS, Fleming NW, Moore P, Lee SJ, Goldman CD, Cole CJ, Wolfe BM. Cardiac function during laparoscopic vs open gastric bypass. *Surg Endosc*, 2002; 16(1): 78-83.

P.G. Moore, Quail, A. W., Cottee, D.B., McIlveen S.A., and White, S.W. Effect of Fentanyl on baroreflex control of circumflex coronary conductance. *Clinical and Experimental Pharmacology and Physiology*, (2000) 27, 1034-1038.

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Parsons and S.W. White. Heart-Lung interactions: The sigh and autonomic control in the bronchial and coronary circulations. *Clinical and Experimental Pharmacology and Physiology* (2000) 27, 1022-1027.

Cottee, D.B., Quail, A., Porges, W.L., P.G. Moore and S.W. White. Effects of anaesthesia on regional coronary control mechanisms. *Clinical and Experimental Pharmacology and Physiology* (2000) 27, 1034-1038.

Kien ND, Reitan JA, Moore PG. Hypertonic saline: current research and clinical implications. *Seminars in Anesthesia, Perioperative Medicine and Pain*, 1998; 17(3): 167-173.

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Kruti Pandya, M.D.

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Department	Internal Medicine
Division	Cardiovascular Medicine
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Additional Phone	Physician Referrals: 800-4-UCDAVIS (800-482-3284)
Languages	Gujarati, Hindi, Marathi
Education	M.B.B.S., Grant Medical College, Mumbai, India 2007
Internships	Indiana University, Bloomington IN 2008-2009
Residency	Indiana University, Bloomington IN 2009-2011
Fellowships	General Cardiology, Krannert Institute of Cardiology, Bloomington IN 2011-2014
Board Certifications	American Board of Internal Medicine, 2011 National Board of Echocardiography, 2013
Professional Memberships	American College of Cardiology American College of Physicians American Society of Echocardiography American Society of Nuclear Cardiology International Society for Heart and Lung Transplantation
Honors and Awards	Craig Brater Scholarship for Personalized Medicine, 2013 Sir JRD Tat Scholarship, 2002, 2003, 2004
Select Recent Publications	William Godley MD, Kruti Joshi MD, Jeffrey Breall MD. Contrast induced nephropathy in patients undergoing diagnostic cardiac catheterization with automated contrast injectors. J of Invasive Cardiology. 2012 Dec; 24(12):628-30.



Kruti Pandya, M.D.

Kruti Joshi MD, Emily Ruden MD, Irshad Alam MD, IRmina Gradus-Pizlo MD, Jothiharan Mahenthiran MD, Masoor Kamalesh MD, Harvy Feigenbaum MD, Stephen Sawada, MD. Impact of Ejection Fraction Improvement, Viability, Heart Failure Medicatin on Long Term Suervival of Revascularized Patient with Ishemic Ventricular Dysfunction. European J of Echocardiogtapy. 2011 Jun;12(6):454-60.

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William C. Pevec, M.D.

William C. Pevec welcomes LGBT patients.

Clinical Interests William C. Pevec specializes in complex vascular surgery, including aortic reconstructions, mesenteric and renal artery reconstruction, and reconstructions of the arteries of the distal leg and foot. His practice includes both minimally invasive endovascular procedures and open reconstructions. His clinical research centers on reducing preoperative risks for and outcome assessment of patients undergoing vascular operations.

Title Professor Chief, Division of Vascular Surgery, Department of Surgery

Specialty [Surgery - Vascular and Endovascular](#), Vascular and Endovascular Care

Department [Surgery](#)

Division Vascular Surgery

Center/Program Affiliation [Cardiovascular Services](#)
[Vascular Center](#)

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Phone: 916-734-3800

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Education M.D., University of Cincinnati College of Medicine, Cincinnati OH 1984
B.S., University of Dayton, Dayton OH 1980

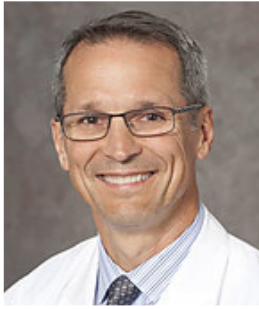
Internships University of Pittsburgh, Pittsburgh PA 1984-1985

Residency University of Pittsburgh, Pittsburgh PA 1985-1990

Fellowships Massachusetts General Hospital and Harvard Medical School, Boston MA 1990-1992

Board Certifications American Board of Surgery - General Surgery, 2000
American Board of Surgery - Vascular Surgery, 2011

Professional Memberships Alpha Omega Alpha



William C. Pevec, M.D.

American College of Surgeons
American Heart Association
Association for Academic Surgery
Mark Ravitch Surgical Society
Peripheral Vascular Surgery Society
Sacramento Surgical Society
Society for Vascular Surgery
Western Vascular Society - President, 2015-2016
Western Vascular Society - Recorder, 2008-2010

Honors and Awards

Outstanding Faculty Member in a Teaching Capacity, UC Davis Medical Center, 2002
Outstanding Faculty Member in a Teaching Capacity, UC Davis Medical Center, 2001
Outstanding Faculty Member in a Teaching Capacity, UC Davis Medical Center, 1996
Outstanding Faculty Member in a Teaching Capacity, University of California, Davis, Medical Center, 2006
Alpha Omega Alpha, Medical Honorary Society, University of Cincinnati, 1983
Department of Biological Chemistry Faculty Award, University of Cincinnati, 1981
Graduated Summa Cum Laude, University of Dayton, 1980
President's Scholarship, University of Dayton, 1976
National Merit Scholar, 1976

Select Recent Publications

Pevec WC. Combined Iliac Stenting and Femoral-Femoral Artery Bypass. Chapter 48. In Master Techniques in Surgery: Vascular Surgery, Lippincott Williams & Wilkins, Philadelphia, PA, 2016.

Hedayati N, Brunson A, Li CS, Baker AC, Pevec WC, White RH, Romano PS. Do Women Have Worse Amputation-Free Survival Than Men Following Endovascular Procedures for Peripheral Arterial Disease? An Evaluation of the California State-Wide Database. Vasc Endovascular Surg. pii: 1538574415608269. PMID: 26462976, 2015.

Armstrong EJ, Wu J, Singh GD, Dawson DL, Pevec WC, Amsterdam EA, Laird JR. Smoking cessation is associated with decreased mortality and improved amputation-free survival among patients with symptomatic peripheral artery disease. J Vasc Surg. 2014;60(6):1565-71.



William C. Pevec, M.D.

Javed U, Balwanz CR, Armstrong EJ, Yeo KK, Singh GD, Singh S, Anderson D, Westin GG, Pevec WC, Laird JR. Mid-term outcomes following endovascular re-intervention for iliac artery in-stent restenosis. *Catheter Cardiovasc Interv.* 2013 Dec 1;82(7):1176-84.

Armstrong EJ, Singh S, Yeo KK, Saeed H, Anderson D, Westin GG, Dawson DL, Pevec WC, Laird JR. Nitinol Self-Expanding Stents for Very Long Femoropopliteal Lesions: One and Two Year Outcomes. *J Endovasc Ther.* 2014;21(1):34-43.

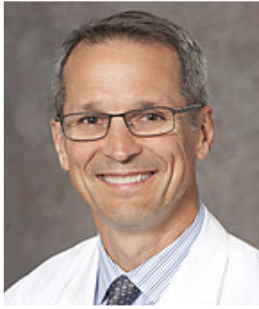
Armstrong EJ, Dawson DL, Laird J, Pevec WC, Singh GD, Singh S, Westin G, Yeo KK. Endovascular Recanalization of Infrapopliteal Occlusions in Patients With Critical Limb Ischemia. *J Vasc Surg.* 2014;59:1300-7.

Armstrong EJ, Balwanz CR, Dawson DL, Javed U, Laird JR, Pevec WC, Saeed H, Westin GG. Endovascular Therapy is Effective Treatment for Focal Stenoses in Failing Infrapopliteal Vein Grafts. *Ann Vasc Surg.* 2014;pii: S0890-5096(14)00462-2.

Armstrong E, Humphries MD, Laird J, Pevec WC, Welch P. Outcomes of Covered vs. Bare Metal Balloon Expandable Stents for Aortoiliac Occlusive Disease. *J Vasc Surg.* 2014;60(2): 337-43.

Hylton J, Li, CS, Pevec WC, Smith C. Octogenarians develop infrapopliteal arterial occlusive disease in the absence of traditional risk factors. *Ann Vasc Surg.* 2014;28(7):1712-8.

Pevec, W.C., Lee Pu, Levine, Wei et al. Revascularization of the Ischemic Lower Extremity. chapter 67, pp. 1117-1140. In Lee L.Q. Pu, Jamie P. Levine and Fu-Chan Wei (Eds.), *Reconstructive Surgery of the Lower Extremity*, Quality Medical Publishing, St. Louis, Missouri, 2013.



William C. Pevec, M.D.

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Nayereh Pezeshkian, M.D.

Nayereh Pezeshkian welcomes LGBT patients.

Philosophy of Care I consider the highlight of my work at UCDMC the performance of a wide variety of complex invasive electrophysiologic (EP) procedures. Of great importance, our patients are experiencing arrhythmia-free survival off of antiarrhythmic drugs after ablation for atrial fibrillation and ventricular tachycardia.

Clinical Interests Cardiac electrophysiology, the science of elucidating, diagnosing, and treating the electrical activities of the heart. Performing a wide variety of invasive procedures including mapping and ablation of SVT, VT, and atrial fibrillation, ; device implantation including cardiac resynchronization.

Research/Academic Interests My clinical and research interests focus on ventricular tachycardia in a normal heart and sudden cardiac death.

Title Associate Professor, Cardiac Electrophysiology

Specialty [Cardiovascular Medicine](#), Cardiac Electrophysiology

Department [Internal Medicine](#)

Division Cardiovascular Medicine

Center/Program Affiliation [Cardiovascular Services](#)
[Coronary Heart Disease Reversal Program](#)

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UC Davis Medical Center, 2315 Stockton Blvd. Sacramento, CA 95817

Phone: 800-2-UCDAVIS (800-282-3284)

Additional Phone Physician Referrals: 916-734-5678

Education M.D., Shaheed Beheshti University of Medical Sciences, Tehran, Iran 1992

Internships Internal Medicine, Hennepin County Medical Center, Minneapolis MN 1995-1996

Residency Internal Medicine, Hennepin County Medical Center, Minneapolis MN 1996-1998



Nayereh Pezeshkian, M.D.

Fellowships

Cardiac Electrophysiology, Krannert Institute of Cardiology, Indianapolis IN 2005-2007
Cardiovascular Disease, University of Minnesota, Minneapolis MN 1998-2001

Board Certifications

American Board of Internal Medicine, 1998
American Board of Internal Medicine, Cardiac Electrophysiology, 2008
American Board of Internal Medicine, Cardiovascular Medicine, 2001

Professional Memberships

American Society of Echocardiography
Heart Rhythm Society

Select Recent Publications

Srivatsa UN, Danielsen B, Anderson I, Amsterdam E, Pezeshkian N, Yang Y, White RH. Risk predictors of stroke and mortality after ablation for atrial fibrillation: the California experience 2005-2009. *Heart Rhythm*. 2014 Nov;11(11):1898-903. Epub 2014 Jul 15.

Miller JM, Pezeshkian NG, Yadav AV. Catheter mapping and ablation of right ventricular outflow tract ventricular tachycardia. *J Cardiovasc Electrophysiol*. 2006 Jul;17(7):800-2.

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Gary Wayne Raff, M.D.

Clinical Interests	Gary Raff is a pediatric cardiothoracic surgeon who specializes in the treatment of complex congenital heart disease and chest-wall anomalies. He treats patients of all ages, newborns to adults and has a particular interest in minimally invasive approaches for treating neurologic-related heart and chest disorders. He also is interested in international medicine and participates in Heart to Heart International Children's Medical Alliance. The Alliance is a non-profit group that provides care and training to sponsored hospitals in Russia.
Title	Associate Professor
Specialty	Pediatric Cardiac Surgery, Pediatric Surgery, Surgery - Cardiothoracic
Department	Surgery
Division	Cardiothoracic Surgery Pediatric Surgery
Center/Program Affiliation	Cardiovascular Services Pediatric Heart Center UC Davis Children's Hospital
Address/Phone	Pediatric Heart Center, 2315 Stockton Blvd. Suite 7133 Sacramento, CA 95817 Phone: 916-734-3456
Additional Phone	Physician Referrals: 800-4-UCDAVIS (800-482-3284)
Education	M.D., Hahnemann University School of Medicine, Philadelphia, Pennsylvania, 1990 B.S., State University of New York, Stony Brook, Stony Brook, New York, 1985
Residency	University of Medicine and Dentistry of New Jersey - New Jersey Medical School, Newark, New Jersey, 1995-96 University of Medicine and Dentistry of New Jersey - New Jersey Medical School, Newark, New Jersey, 1996-98 University of Medicine and Dentistry of New Jersey - New Jersey Medical School, Newark, New Jersey, 1997-98
Fellowships	Children's Hospital of Philadelphia, Philadelphia, Pennsylvania, 1998-99 Children's Hospital of Philadelphia, Philadelphia, Pennsylvania, 1999-2000 University of Medicine and Dentistry of New Jersey - New Jersey Medical School, Newark, New Jersey, 1997-98



Gary Wayne Raff, M.D.

Jersey, 1992-93

Board Certifications

American Board of Surgery
American Board of Thoracic Surgery
National Board of Medical Examiners

Professional Memberships

American Medical Association
Candidate Member American College of Cardiology
Candidate Member American College of Surgeons
Candidate Member Society of Thoracic Surgeons

Honors and Awards

Deans Excellence Award, University of California, Davis Medical, 2010
Winner 1994 Resident's Trauma Paper Competition (New Jersey Committee on Trauma of the American College of Surgeons), 1994
Letter of Recognition, Stony Brook Volunteer Ambulance Corps., 1985
Service Citation, Stony Brook Volunteer Ambulance Corps., 1985

Select Recent Publications

Salmi D, Bhat A, Corman L, Raff G, Satake N. Diagnostic challenges in native valve fungal endocarditis producing a massive septic pulmonary embolus. *Japanese Journal of Medical Mycology*, 2010;51.

Yeo KK, Davenport J, Raff G, Laird J. Life-threatening coronary sinus thrombosis following catheter ablation: case report and review of literature. *Cardiovascular Revascularization Medicine*, 2010 11 (262e1): 262e5.

Parsapour, P, R. Pallela, G.W. Raff, R. Pretzlaff. Type B lacticacidosis and insulin-resistant hyperglycemia in an adolescent following cardiac surgery. *Pediatric Critical Care Medicine*, 2008 9 (1): e6-e9.

Raff, G.W., M.S. Wong. Sternal plating to correct an unusual complication of the Nuss procedure: erosion of a pectus bar through the sternum. *Annals of Thoracic Surgery*, 2008 85(3): 1100-1101.

Anagnostopoulos, P.V, Alphonso, N, .Nolke,L, Hornberger, L, , G.W. Raff, Azakie,A, Karl, T. Neonatal Mitral and Tricuspid Valve Repair for In Utero Papillary Muscle Rupture. *Ann Thorac Surg: The Society of Thoracic Surgeons*, 2007 (83) 1458-1462.

Alphonso, N., P.V. Anagnostopoulos, L.Nolke, A. MoonGrady, A. Azakie, G.W. Raff, T. Karl. Anomalous coronary artery from the wrong sinus of Valsalva. A Physiologic Repair Strategy. *Ann of Thoracic Surgery By The Society of Thoracic Surgeons*, 2007 (83) 1472-1476.

Alphonso, N., P.V. Anagnostopoulos, S. Scarpace, P. Weintraub, A. Azakie, G.W. Raff, T. Karl. Perioperative antibiotic prophylaxis in pediatric cardiac surgery. *Cardiology in the Young*.2006



Gary Wayne Raff, M.D.

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Jason H. Rogers, M.D.

Jason H. Rogers welcomes LGBT patients.

Philosophy of Care

My philosophy of care is to give every patient an exceptional care experience at a level that I would provide for my own family. I enjoy listening to my patients' personal lives and view each one as an individual with unique concerns and needs. My goal is to always provide the highest level of compassionate and skillful care for my patients.

Clinical Interests

Dr. Rogers is board certified in interventional cardiology and vascular medicine, and is an integral member of the cardiovascular clinical and research program. He serves as the Director of Interventional Cardiology and is the Program Director for the Interventional Cardiology Fellowship.

Dr. Rogers has been widely published and has served as invited faculty at national and international meetings. His current clinical focus is the treatment of adult structural heart disease using minimally invasive transcatheter methods, such as MitraClip therapy for mitral regurgitation and transcatheter left atrial appendage occlusion.

Research/Academic Interests

Dr. Rogers serves as the Medical Director of the Cardiovascular Medicine Clinical Research Unit. Research is directed at the treatment of adult structural heart disease with an emphasis on the management of valvular heart disease using emerging minimally invasive and percutaneous procedures.

Title

Clinical Professor of Cardiovascular Medicine
Director, Interventional Cardiology
Program Director, Cardiovascular Interventional Fellowship
Medical Director, Cardiovascular Research Unit

Specialty

Adult Structural Heart Disease, Interventional Cardiology, [Cardiovascular Medicine](#), Internal Medicine

Department

[Internal Medicine](#)

Division

Cardiovascular Medicine

Center/Program Affiliation

[Cardiovascular Services](#)
[Vascular Center](#)

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Phone: 800-282-3284



Jason H. Rogers, M.D.

UC Davis Medical Center, 2315 Stockton Blvd. Sacramento, CA 95817

Phone: 800-2-UCDAVIS (800-282-3284)

Additional Phone Fax: 916-734-6474

Physician Referrals: 916-734-5678

Education M.D., St. Louis University School of Medicine, St. Louis MO 1995

M.A., Clinical Research K30 MCRTTP Program, UC Davis School of Medicine, Sacramento CA 2007

A.B., Harvard University, Cambridge MA 1991

Internships Internal Medicine, Barnes-Jewish Hospital, St. Louis MO 1995-1996

Residency Internal Medicine, Barnes-Jewish Hospital, St. Louis MO 1997-1998

Fellowships Cardiovascular Disease, Barnes-Jewish Hospital, St. Louis MO 1998-2002

Interventional Cardiology, Barnes-Jewish Hospital, St. Louis MO 2002-2003

Board Certifications American Board of Internal Medicine, 1998

American Board of Internal Medicine, Cardiovascular Medicine, 2002

American Board of Internal Medicine, Interventional Cardiology, 2003

American Board of Vascular Medicine, 2005

Professional Memberships Alpha Omega Alpha

American College of Cardiology

American Heart Association

SCAI Structural Heart Disease Council

Society for Cardiac Angiography and Interventions

Honors and Awards Interventional Procedures for Adult Structural Heart Disease Textbook: Highly Commended in the Cardiology category of the 2014 British Medical Association (BMA) Medical Book Awards, 2014

Young Investigator Best Abstract for Mitral Valve Technologies Research, New Interventions in Transcatheter Valve Techniques Symposium, 2006

First place, Sixth Annual AstraZeneca Cardiovascular Young Investigators' Forum, 2000

Knowlton Incentive for Excellence Award, Barnes-Jewish Hospital, 1998

American College of Physicians' William M. Fogarty Jr. Book Award, 1995

Harvard National Scholar, 1991

Select Recent Publications Singh GD, Smith TW, Boyd WD, Southard JA, Wong GB, Philip F, Low RI, Rogers JH. Complete Transcatheter Treatment of Degenerated Bioprosthetic Mitral Regurgitation: Transapical Paravalvular Leak Closure Followed by Transseptal Mitral Valve-in-Valve Replacement. JACC



Jason H. Rogers, M.D.

Cardiovasc Interv. 2015 Dec 21;8(14):e229-31

Rogers JH, Thomas M, Morice MC, Narbutė I, Zabunova M, Hovasse T, Poupineau M, Rudzitis A, Kamzola G, Zvaigzne L, Greene S, Erglis A. Treatment of Heart Failure With Associated Functional Mitral Regurgitation Using the ARTO System: Initial Results of the First-in-Human MAVERIC Trial (Mitral Valve Repair Clinical Trial). *JACC Cardiovasc Interv.* 2015 Jul;8(8):1095-104.

Singh GD, Smith TW, Rogers JH. Multi-MitraClip therapy for severe degenerative mitral regurgitation: 'anchor' technique for extremely flail segments. *Catheter Cardiovasc Interv.* 2015 Aug;86(2):339-46.

Kuhn BT, Javed U, Armstrong EJ, Singh GD, Smith TW, Whitcomb CJ, Allen RP, Rogers JH. Balloon dilation atrial septostomy for advanced pulmonary hypertension in patients on prostanoid therapy. *Catheter Cardiovasc Interv.* 2015 May;85(6):1066-72.

Rogers JH, Bolling SF. Approaches to the management of functional tricuspid regurgitation. *J Comp Eff Res.* 2015 Nov;4(6):665-76.

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Jamie L. Ross, M.D.

Jamie L. Ross welcomes LGBT patients.

Clinical Interests	<p>Interventional nephrology is a subspecialty designed to ensure that patients receive and maintain the vascular and/or peritoneal access they need to start or continue dialysis. Using the latest techniques in fluoroscopic evaluation and intervention, Dr. Ross diagnoses, treats and monitors patient dialysis access. She has been dedicated to this type of care for more than 10 years, ensuring that kidney disease patients have a better quality of life.</p> <p>Dr. Ross focuses her research on the triad of blood flow, vascular injury and accelerated thrombosis to improve the success of vascular dialysis access. These areas of vascular research are all vital to understanding the accelerated damage to blood vessels that is prevalent in kidney disease patients.</p>
Title	<p>Clinical Professor</p> <p>Medial Director of the Vascular Access Unit and the Interventional Nephrology training program</p>
Specialty	<p>Internal Medicine, Interventional Nephrology, Nephrology</p>
Department	<p>Internal Medicine</p>
Division	<p>Nephrology</p> <p>Cardiovascular Medicine</p>
Clinic	<p>Nephrology</p>
Center/Program Affiliation	<p>Cardiovascular Services</p> <p>Vascular Center</p>
Address/Phone	<p>Patient Support Services Building, 4150 V St. Suite 3500 Sacramento, CA 95817</p>
Additional Phone	<p>Phone: 916-734-3774</p> <p>Physician Referrals: 800-4-UCDAVIS (800-482-3284)</p>
Email	<p>jamross@ucdavis.edu</p>
Education	<p>M.D., UC Davis School of Medicine, Sacramento CA 1982</p> <p>B.A., UCLA, Los Angeles CA 1976</p>
Internships	<p>Family Medicine, UC Davis Medical Center, Sacramento CA 1982-1983</p>
Residency	<p>Family Medicine, UC Davis Medical Center, Sacramento CA 1983-1984</p> <p>Internal Medicine, UC Davis Medical Center, Sacramento CA 1984-1986</p>



Jamie L. Ross, M.D.

Chief Resident Internal Medicine, UC Davis Medical Center, Sacramento CA 1986-1987

Fellowships Nephrology, UC Davis Medical Center, Sacramento CA 1987-1989

Board Certifications American Board of Internal Medicine, 1987
American Board of Internal Medicine, Nephrology, 2010

Professional Memberships Alpha Omega Alpha Honor Society
American College of Physicians/American Society of Internal Medicine
American Society of Diagnostic and Interventional Nephrology
American Society of Nephrology
Renal Physicians Association

Honors and Awards Fellow of the American Society of Diagnostic and Interventional Nephrology, 2016
Fellow of the American College of Physicians, 1998
Dean's Postdoctoral Research Scholar (Localization of cAMP Protein Kinase Subunits in Renal Cortical Cells), 1988
Resident of the Year (American Medical Women's Association, Sacramento), 1987
Alpha Omega Alpha Honor Society, 1986
Family Practice Student of the Year Award, 1982
Dean's Student Research Grant (UTIs in the Elderly), 1982
Mackenzie Scholarship, 1980

Select Recent Publications Wang J, Nguyen T, Chin A and Ross J. Treatment of Tunneled Catheter Malfunction: Revision versus Exchange. J of Vascular Access. epub 2016.

Ross J, DeatherageHand D. Evaluation of potassium levels before hemodialysis access procedures. Semin Dial. 2015 Jan-Feb;28(1):90-3.

Vachharajani TJ, Moossavi S, Salman L, Wu S, Dwyer AC, Ross J, Dukkipati R, Maya ID, Yevzlin AS, Agarwal A, Abreo KD, Work J, Asif A. Dialysis vascular access management by interventional nephrology programs at University Medical Centers in the United States. Semin Dial. 2011 Sep-Oct;24(5):564-9.



Jamie L. Ross, M.D.

Ross J, Link D, Dalrymple L. 'Use of Polar Balloon in Central Venous Stenosis' Seminars in Dialysis Mar/Apr 2009 Vol. 22, Number 2 p216.

Ross J. 'Use of Stents in Forearm fistulas as a bridge to Upper arm Fistulas' Seminars in Dialysis Jan/Feb 2009 Vol.22, Number 1, p78-80.

Ross J. "Arteriovenous Fistulas for Hemodialysis: A Virchow Perspective" Ochsner Clinic Foundation Reports on Renal Disorders. 2005 Vol.1, No.2: p1-6.

Ross JL. "Hemodialysis Arteriovenous Fistulas: A Nineteenth Century View of a Twenty-first Century Problem" Journal of Vascular Access. 2005; 6:p 64-71.

Blessing WD Jr, Ross JM, Kennedy CI, Richardson WS. Laparoscopic-assisted peritoneal dialysis catheter placement, an improvement on the single trocar technique. Am Surg. 2005 Dec;71(12): 1042-6.

Blessing WD, Ross J, Kennedy C, Richardson W. Laparoscopic Assisted Peritoneal Dialysis Catheter Placement, An Improvement on the Single Trochar Technique. Abstract Presented at Society of American Gastrointestinal Endoscopic Surgeons Meeting. April 2005.

Ross J. A Case of an Adherent Tesio Catheter Requiring Cardio-Pulmonary Bypass Surgical Removal. Abstract Presented at First Scientific Meeting ASDIN. Feb 2005.

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John Calvert Rutledge, M.D.

John Calvert Rutledge welcomes LGBT patients.

Clinical Interests	John C. Rutledge is an expert in atherosclerosis and lipid disorders. He specializes in preventive cardiology, lipid disorders and reversal of atherosclerotic cardiovascular disease.
Research/Academic Interests	Dr. Rutledge's current laboratory research includes biology of the vascular wall. http://www.ucdmc.ucdavis.edu/internalmedicine/research/vascular-lab/
Title	Professor, Division of Cardiovascular Medicine Vice Chair of Research, Internal Medicine Richard A. and Nora Eccles Harrison Endowed Chair for Diabetes Research
Specialty	Cardiology , Cardiovascular Medicine , Internal Medicine
Department	Internal Medicine
Division	Cardiovascular Medicine
Center/Program Affiliation	Cardiovascular Services
Address/Phone	Lawrence J. Ellison Ambulatory Care Center, Cardiology Clinic, 4860 Y St. Suite 0200 Sacramento, CA 95817 Phone: 800-282-3284
Additional Phone	Physician Referrals: 916-734-5678
Education	M.D., Baylor College of Medicine, Houston TX 1976 B.A., University of Texas, Austin TX 1972
Internships	Internal Medicine, University of Tennessee, Memphis TN 1976-1977
Residency	Internal Medicine, UC Davis Medical Center, Sacramento CA 1979-1981
Fellowships	Cardiovascular Medicine, UC Davis Medical Center, Sacramento CA 1981-1983
Board Certifications	American Board of Internal Medicine, 1983 American Board of Internal Medicine, Cardiovascular Disease, 1985
Professional Memberships	American Association for the Advancement of Science American College of Cardiology, Fellow



John Calvert Rutledge, M.D.

Honors and Awards

American College of Physicians
American Federation of Clinical Research
American Heart Association, Fellow
NIH Travel Award: The Intersection of Metabolic and Neurocognitive Function, NIH Workshop, NIH campus, July 17-18, 2015
Greater Bay Area Research Award Reception, Honoring AHA Northern California Research Awardees, 2011
Top Cited Article 2008-2010, Journal of Vascular Pharmacology, Altman R, Motton DD, Kota RS, Rutledge JC: Inhibition of vascular inflammation by DHEAS in human aortic endothelial cells: Roles of PPAR and NF-kB, 2010
Co-Chair, UC Davis School of Medicine Vice-Chairs for Research, 2011
Chair, Research Affairs Committee, UC Davis Center 2005-, 2013
Executive Council, UC Davis Academic Senate, 2005
Dean's Excellence in Mentoring Award, UC Davis, 2000
Co-Chair, ?Mouse Models of Diabetic Complications Consortium? Study Sect. Review, NIDDK, 2001
Richard A. and Nora Eccles Harrison Endowed Chair in Diabetes Research, 2000
Chair, Graduate Group in Physiology 1998-, 2001

Select Recent Publications

To view a detailed list of Dr. Rutledge's publications, please click [here](#).

Eiselein L, Nyunt T, Lamé MW, Ng KF, Wilson DW, Rutledge JC, Aung HH. TGRL Lipolysis Products Induce Stress Protein ATF3 via the TGF- Receptor Pathway in Human Aortic Endothelial Cells. PLoS One. 2015 Dec 28;10(12):e0145523.

Ng KF, Anderson S, Mayo P, Aung HH, Walton JH, Rutledge JC. Characterizing blood-brain barrier perturbations after exposure to human triglyceride-rich lipoprotein lipolysis products using MRI in a rat model. Magn Reson Med. 2015 Oct 20. [Epub ahead of print]

Walton JH, Ng KF, Anderson SE, Rutledge JC. MRI measurement of blood-brain barrier transport with a rapid acquisition refocused echo (RARE) method. Biochem Biophys Res Commun. 2015



John Calvert Rutledge, M.D.

Aug 7;463(4):479-82.

Yahiatène I, Aung HH, Wilson DW, Rutledge JC. Single-molecule quantification of lipotoxic expression of activating transcription factor 3. *Phys Chem Chem Phys*. 2014 Oct 21;16(39):21595-601.

Altman R, Keenan AH, Newman JW, Rutledge JC. The Postprandial Effects of a Moderately High-Fat Meal on Lipid Profiles and Vascular Inflammation in Alzheimer's Disease Patients: A Pilot Study. *J Gen Pract (Los Angel)*. 2014;2(6). pii: 186.

den Hartigh LJ, Altman R, Norman JE, Rutledge JC. Postprandial VLDL lipolysis products increase monocyte adhesion and lipid droplet formation via activation of ERK2 and NFB. *Am J Physiol Heart Circ Physiol*. 2014 Jan 1;306(1):H109-20.

Aung HH, Tsoukalas A, Rutledge JC, Tagkopoulos I. A systems biology analysis of brain microvascular endothelial cell lipotoxicity. *BMC Syst Biol*. 2014 Jul 4;8:80.

Ellis CL, Bokulich NA, Kalanetra KM, Mirmiran M, Elumalai J, Haapanen L, Schegg T, Rutledge JC, Raff G, Mills DA, Underwood MA. Probiotic administration in congenital heart disease: a pilot study. *J Perinatol*. 2013 Sep;33(9):691-7.

Aung HH, Lame MW, Gohil K, An CI, Wilson DW, Rutledge JC. Induction of ATF3 gene network by triglyceride-rich lipoprotein lipolysis products increases vascular apoptosis and inflammation. *Arterioscler Thromb Vasc Biol*. 2013 Sep;33(9):2088-96.

Snodgrass RG, Huang S, Choi IW, Rutledge JC, Hwang DH. Inflammasome-mediated secretion of IL-1 in human monocytes through TLR2 activation; modulation by dietary fatty acids. *J Immunol*.



John Calvert Rutledge, M.D.

2013 Oct 15;191(8):4337-47.

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Saul Schaefer, M.D.

Saul Schaefer welcomes LGBT patients.

Philosophy of Care	My goal is to thoughtfully listen to and evaluate a patient's complaints and develop an evidence-based diagnostic and therapeutic plan that aligns with the patients goals.
Clinical Interests	Dr. Schaefer focuses his clinical research on the utilization of non-invasive cardiac testing to diagnosis ischemic heart disease and pulmonary embolism.
Research/Academic Interests	Dr. Schaefer's laboratory studies involve the modulation of calcium uptake into mitochondria as a method of preventing and treating heart failure. These studies use transgenic mice with conditional knockout of the mitochondrial translocator protein.
Title	Professor Director of Medical Student Research and Physician Scientist Training Program Chief of Cardiology Section, VA Northern California Health Care System
Specialty	Cardiology , Cardiovascular Medicine , Internal Medicine, Invasive Cardiology
Department	Internal Medicine
Division	Cardiovascular Medicine
Center/Program Affiliation	Cardiovascular Services
Address/Phone	Lawrence J. Ellison Ambulatory Care Center, Cardiology Clinic, 4860 Y St. Suite 0200 Sacramento, CA 95817 Phone: 800-282-3284
Additional Phone	Physician Referrals: 916-734-5678
Education	M.D., UC Davis School of Medicine, Sacramento CA 1981 B.E., Mechanical Engineering, The Cooper Union, New York NY 1968
Internships	Internal Medicine, UC San Francisco Medical Center, San Francisco CA 1981-1982
Residency	Internal Medicine, UC San Francisco Medical Center, San Francisco CA 1982-1984
Fellowships	Cardiovascular Medicine, University of Texas Southwestern Medical Center, Dallas TX 1984-1987
Board Certifications	American Board of Internal Medicine, 1984 American Board of Internal Medicine, Cardiovascular Disease, 1987



Saul Schaefer, M.D.

Professional Memberships

American College of Cardiology
American Federation of Clinical Research
American Heart Association
American Society of Echocardiography
Society of Magnetic Resonance in Medicine

Honors and Awards

Best Doctors in America 2001-2012
UC Davis School of Medicine Alumni Association Distinguished Alumnus Award, 2009

Select Recent Publications

Ma L, Lee BH, Clifton H, Schaefer S, Zheng J. Nicotinic acid is a common regulator of heat-sensing TRPV1-4 ion channels. *Sci Rep*. 2015 Mar 10;5:8906.

Clifton HL, Inceoglu B, Ma L, Zheng J, Schaefer S. TRPV1 channels are involved in niacin-induced cutaneous vasodilation in mice. *J Cardiovasc Pharmacol*. 2015 Feb;65(2):184-91.

Tate S, Griem A, Durbin-Johnson B, Watt C, Schaefer S. Marked elevation of B-type natriuretic peptide in patients with heart failure and preserved ejection fraction. *J Biomed Res*. 2014 Jul;28(4):255-61.

Ma L, Lee BH, Mao R, Cai A, Jia Y, Clifton H, Schaefer S, Xu L, Zheng J. Nicotinic acid activates the capsaicin receptor TRPV1: Potential mechanism for cutaneous flushing. *Arterioscler Thromb Vasc Biol*. 2014 Jun;34(6):1272-80.

Stripe B, Rechenmacher S, Jurewitz D, Lee C, Schaefer S. The diagnostic yield of cardiac catheterization in low-risk troponinemia. *JAMA Intern Med*. 2013 Dec 9-23;173(22):2088-90.

Browning AC, Schaefer S: What Lies Beneath – Posterior ST Elevation Myocardial Infarction With Underlying Right Ventricular Paced Rhythm. *J Experimental and Clinical Cardiology*. 2013;(18)(1): e55-e56.



Saul Schaefer, M.D.

Inceoglu AB, Clifton HL, Yang J, Hegedus C, Hammock BD, Schaefer S: Inhibition of epoxide hydrolase prevents niacin-induced flushing in mice. *J Cardiovasc Pharmacology*. 2012;60(1):70-75.

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Amrik Singh, M.D.

Amrik Singh welcomes LGBT patients.

Philosophy of Care	Dr. Singh's philosophy of care incorporates evidence-based practice blended with common sense and compassion.
Clinical Interests	Dr. Singh's area of interests include cardiovascular and thoracic anesthesiology and transesophageal echocardiography.
Title	Professor Director, Anesthesiology Residency Program Associate Chief, Division of Perioperative Medicine
Specialty	Anesthesiology, Anesthesiology - Cardiovascular and Thoracic
Department	Anesthesiology
Division	Cardiovascular and Thoracic Anesthesia
Center/Program Affiliation	Cardiovascular Services
Address/Phone	UC Davis Medical Center, 2315 Stockton Blvd. Sacramento, CA 95817 Phone: 800-2-UCDAVIS (800-282-3284)
Additional Phone	Phone: 916-734-5028 Physician Referrals: 800-4-UCDAVIS (800-482-3284)
Languages	Hindi, Punjabi
Education	M.D., Government Medical College Patiala, Patiala, Punjab, 1991 B.S., Government Medical College Patiala, Patiala, Punjab, 1991
Internships	Government Medical College Patiala, Patiala, Punjab, 1992 UC Davis Medical Center, Sacramento CA 1998
Residency	UC Davis Medical Center, Sacramento CA 2001
Fellowships	UC Davis Medical Center, Sacramento CA 2002
Board Certifications	American Board of Anesthesiology, 2002 National Board of Echocardiography, 2003
Professional Memberships	American Medical Association American Society of Anesthesiologists



Amrik Singh, M.D.

Honors and Awards

California Society of Anesthesiologists
Society of Cardiovascular Anesthesiologists
Outstanding Senior Resident Award, 2001
Teacher of the Year Award 2002, 2003, 2004, 2005, 2007

Select Recent Publications

Singh A, Antognini JF. Perioperative hypotension and myocardial ischemia: Diagnostic and therapeutic approaches. *Ann Card Anaesth*, 2011 14(2): 127-32.

Muilenburg OJ, Singh A, Torzilli G, Khatri VP: Surgery in the patient with liver disease. *Medical Clinics of North America*, 2009 Vol. 93(5), pp. 1065-81.

Singh A, Fleming N. Right heart embolism and acute right atrial dilation during total knee arthroplasty. *Anesth Anal*, Nov; 2007; 105(5):1224-7.

Grow MP, Singh A, Fleming NW, Young N, Watnik M. Cardiac output monitoring during off-pump coronary artery bypass grafting. *Journal of Cardiothoracic and Vascular Anesthesia*, 2004; 18(1):43-6.

Singh A, Ayyalapu A, Keochekian A: Anesthetic management in fibrodysplasia ossificans progressiva (FOP): a case report. *Journal of Clinical Anesthesia*, 2003; Vol. 15, pp. 211-213.

Singh A, Antognini JF. Perioperative pharmacology in elderly patients. *Curr Opin Anaesthesiol*, 2010 23(4): 449-54.

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Gagan D. Singh, M.D., M.S.

Gagan D. Singh welcomes LGBT patients.

Philosophy of Care

Deliver patient-centered, evidence-based, quality cardiovascular care through a compassionate and open patient-physician relationship. My hope is for each patient to receive personalized care for their given lifestyle, quality of life, and overall goals.

Not all patients fit the mold of clinical trials and no single patient nor their families want to be treated as such. Each patient presents with a problem that is unique to them and while there may be many different ways to treat a particular problem, my job is to find the solution that best fits the patient's needs in efforts to improve quality of life and their overall lifespan.

Clinical Interests

Dr. Singh is a board certified cardiologist and interventional cardiologist who received his medical degree from New York Medical College with induction to the Alpha Omega Alpha Society on graduation. He completed both internship and residency at Stanford University. He completed his cardiology, interventional cardiology, and vascular medicine/intervention training at UCDMC where he received Clinical Fellow of the Year Award and Trainee Research Award with the Department of Internal Medicine.

His clinical interests are the development, practice, and research of a range of minimally invasive procedures for the treatment of complex coronary, structural, and vascular diseases. His other major interest is in educating and mentoring the doctors of tomorrow by working with medical students, residents, and fellows on the inpatient and outpatient cardiology services, and creation and development of research projects to help foster life-long learning and evidence based medical practice.

Research/Academic Interests

Dr. Singh is an investigator on multiple research protocols directed at the treatment of heart and vascular disease. He has co-authored several published articles relating to his research interests.

Title Assistant Clinical Professor

Specialty Internal Medicine, [Cardiology](#), [Cardiovascular Medicine](#), Interventional Cardiology, Vascular Medicine, Peripheral Vascular Interventions

Department [Internal Medicine](#)

Division Cardiovascular Medicine

Center/Program Affiliation [Vascular Center](#)

[Cardiovascular Services](#)

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Gagan D. Singh, M.D., M.S.

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Physician Referrals: 800-4-UCDAVIS (800-482-3284)

Languages Hindi, Punjabi, Spanish

Education M.D., New York Medical College, Valhalla NY 2008
M.S., Physiology, New York Medical College, Valhalla NY 2004
B.A., Manhattanville College, Purchase NY 2001

Internships Internal Medicine, Stanford University Hospital, Stanford CA 2008-2009

Residency Internal Medicine, Stanford University Hospital, Stanford CA 2009-2011

Fellowships Cardiovascular Medicine, UC Davis Medical Center, Sacramento CA 2011-2014
Interventional Cardiology, UC Davis Medical Center, Sacramento CA 2014-2016

Board Certifications American Board of Internal Medicine
American Board of Internal Medicine, Cardiovascular Medicine

Professional Memberships American College of Cardiology
Society of Coronary Angiography and Interventions

Honors and Awards First Place, Society for Cardiovascular Angiography and Interventions 2015 C3 Annual Summit for Interventional Fellows-in-Training. SCAI 2015 Scientific Sessions. San Diego, CA, 2015
Finalist, Best Cases of the Year, Trans-Valvular Therapeutics (TVT) 2014. ?More is less: multiple MitraClip? therapy for severe degenerative mitral regurgitation.? Vancouver, British Columbia, Canada, 2014
Trainee Research Award, Department of Internal Medicine, University of California (Davis) Medical Center, Sacramento CA, 2014
Clinical Fellow of the Year Award, University of California (Davis) Medical Center, Sacramento CA, 2012
Department of Medicine Excellence in Research Award, New York Medical College, Valhalla, NY, 2008
Alpha Omega Alpha Inductee, New York Medical College, Valhalla, NY, 2007

Select Recent Publications Laird JR, Singh GD. Drug-Coated Balloons as the New Standard of Care for Femoropopliteal In-Stent Restenosis: FAIR Assumption? Circulation. 2015 Dec 8;132(23):2198-200.



Gagan D. Singh, M.D., M.S.

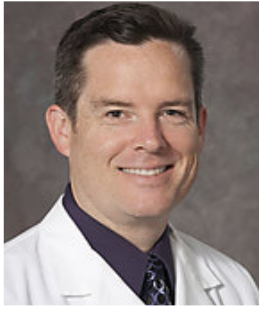
Singh GD, Smith TW, Boyd WD, Southard JA, Wong GB, Philip F, Low RI, Rogers JH. Complete Transcatheter Treatment of Degenerated Bioprosthetic Mitral Regurgitation: Transapical Paravalvular Leak Closure Followed by Transseptal Mitral Valve-in-Valve Replacement. *JACC Cardiovasc Interv.* 2015 Dec 21;8(14):e229-31.

Singh GD, Smith TW, and Rogers, JH. Targeted Transseptal Access for MitraClip Percutaneous Mitral Valve Repair. *Interventional Cardiology Clinics.* 2015.

Singh GD and Rogers JH. The Use of Ultrasound Guidance for Targeted Femoral Access. *Cardiovascular Interventions Today.* 2015.

Singh GD, Armstrong EJ, and Laird JR. "Laser Revascularization in Critical Limb Ischemia" in *Lasers in Cardiovascular Interventions.* 2015.

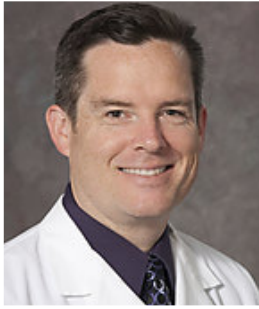
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Thomas Smith, M.D.

Thomas Smith welcomes LGBT patients.

Clinical Interests	<p>Thomas Smith is a specialist in cardiovascular imaging utilizing multiple techniques including echocardiography (transesophageal and transthoracic), computed tomography, nuclear medicine and magnetic resonance imaging to evaluate cardiac structure and function.</p> <p>He completed his general cardiology fellowship here at UC Davis with additional, advanced training at Cedars Sinai. Currently, he is the Director of the Adult Echocardiography Laboratory. His clinical interests include echocardiographic guidance of minimally invasive cardiac procedures, cardiac computed tomography, valvular heart disease and prevention of coronary artery disease.</p>
Research/Academic Interests	<p>Dr. Smith is active in multiple research studies focusing on transcatheter aortic valve replacement and transcatheter mitral valve repair. He is also involved in research studies using specialized blood tests and nuclear imaging to evaluate the heart muscle following myocardial infarctions.</p>
Title	<p>Associate Professor of Medicine Director, Adult Echocardiography Laboratory Co-Director, Cardiology Fellowship Training Program</p>
Specialty	<p>Cardiology, Cardiovascular Medicine, Cardiovascular Imaging, Internal Medicine</p>
Department	<p>Internal Medicine</p>
Division	<p>Cardiovascular Medicine</p>
Center/Program Affiliation	<p>Cardiovascular Services</p>
Address/Phone	<p>Lawrence J. Ellison Ambulatory Care Center, Cardiology Clinic, 4860 Y St. Suite 0200 Sacramento, CA 95817 Phone: 800-282-3284</p>
Additional Phone	<p>Physician Referrals: 916-734-5678</p>
Education	<p>M.D., UC San Diego School of Medicine, San Diego CA 2002 B.A., UC Berkeley, Berkeley CA 1998</p>
Internships	<p>Internal Medicine, UC San Diego, San Diego CA 2002-2003</p>
Residency	<p>Internal Medicine, UC San Diego, San Diego CA 2003-2005</p>



Thomas Smith, M.D.

Fellowships Cardiovascular Medicine, UC Davis Medical Center, Sacramento CA 2006-2009
Multimodality Cardiovascular Imaging, UC Davis Medical Center and Cedars Sinai Medical Center, Sacramento CA 2009-2010

Board Certifications American Board of Internal Medicine, 2006
American Board of Internal Medicine, Cardiovascular Disease, 2010
Certification Board Of Cardiovascular Computed Tomography, 2010
National Board of Echocardiography, 2011

Professional Memberships American College of Cardiology
American Society of Echocardiography
Society of Cardiovascular Computed Tomography

Select Recent Publications Paulsen JM, Smith, TW. Echocardiographic Imaging of the Mitral Valve for Transcatheter Edge-to-Edge Repair. *Interventional Cardiology Clinics*. Volume 5, Issue 1, Jan 2016, Pages 17–31. 2015.

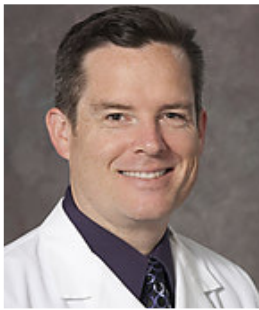
Mahmud E, Smith T, Palakodeti V, et al. Renal Frame Count and Renal Blush Grade: Quantitative Measures That Predict Success of Renal Stenting in Hypertensive Patients with Renal Artery Stenosis. *JACC, Cardiovascular Interventions* 2008; 1:286-292.

Lim W, Smith T, Rogers JH. Transcatheter repair of aortic leaflet perforation in a patient with prior surgical bicuspid aortic valve repair. *Catheter Cardiovasc Interv*. 2015 Apr 24. [Epub ahead of print]

Smith TW, Bommer WJ. Multimodality imaging in transcatheter aortic valve replacement. *Rev Cardiovasc Med*. 2014;15(2):75-85. Review.

Jensen G, Smith T, Flores M. Repair of a duplicate mitral valve in a patient with ascending aortic aneurysm and bicuspid aortic valve. *Ann Thorac Surg*. 2014 Mar;97(3):e67-9.

Armstrong EJ, Kwa AT, Bhat A, Romick B, Smith T, Rogers JH. Intracardiac echocardiography to guide percutaneous closure of atrial baffle defects. *J Invasive Cardiol*. 2012 Sep;24(9):473-6.



Thomas Smith, M.D.

aved U, Smith TW, Rogers JH. Percutaneous repair of anterior mitral leaflet perforation. *J Invasive Cardiol.* 2012 Mar;24(3):134-7.

Smith T, McGinty P, Bommer W, Low RI, Lim S, Fail P, Rogers JH. Prevalence and echocardiographic features of iatrogenic atrial septal defect after catheter-based mitral valve repair with the MitraClip system. *Catheter Cardiovasc Interv.* 2012 Oct 1;80(4):678-85.

Nakazato R, Tamarappoo BK, Smith TW, Cheng VY, Dey D, Shmilovich H, Gutstein A, Gurudevan S, Hayes SW, Thomson LEJ, Friedman JD, Berman DS. Assessment of left ventricular regional wall motion and ejection fraction with low-radiation dose helical dual-source CT: Comparison to two dimensional echocardiography. *J of Cardiovascular Computed Tomography.* 2011; 5: 149-157.

Mahmud E, Smith T, Palakodeti V, et al. Renal Frame Count and Renal Blush Grade: Quantitative Measures That Predict Success of Renal Stenting in Hypertensive Patients with Renal Artery Stenosis. *JACC, Cardiovascular Interventions.* 2008; 1:286-292.

Singh G, Smith TW, Rogers J. Targeted Transseptal Access for MitraClip Percutaneous Mitral Valve Repair. *Interventional Cardiology Clinics*, Volume 5, Issue 1, 55 - 69. 2015.

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Jeffrey Allen Southard, M.D.

Philosophy of Care

I do my best to treat patients with the same care I wish my family to have. I serve as a medical advisor to my patients trying to explain why we should do the things I am suggesting. Ultimately the decision is theirs to make. Sometimes patients come to me because they are frustrated with the medical system. Lending a comforting ear can be all the medicine that is required.

Clinical Interests

Dr. Southard is an interventional cardiologist with an interest in cardiovascular medicine. He sees patients in clinic, in the hospital and in consultation. He is the director of the Transcatheter Aortic Valve Replacement Program and has been the principle investigator in many research related valve trials.

In addition his research interests focus on expanding care to patients in underserved areas and he is working with our Telemedicine program to continue cardiology consultation in that regard.

He also has an interest in patients with hypertrophic cardiomyopathy and was the principle investigator for the first ever cardiovascular stem cell trial here at UC Davis.

Research/Academic Interests

Dr. Southard's research interests include Transcatheter Aortic Valve Replacement, Hypertrophic Cardiomyopathy and Optical Coherence Tomography.

Title Associate Clinical Professor

Specialty [Cardiology](#), [Cardiovascular Medicine](#), Interventional Cardiology, Internal Medicine

Department [Internal Medicine](#)

Division Cardiovascular Medicine

Center/Program Affiliation [Cardiovascular Services](#)

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Education M.D., Georgetown University School of Medicine, Washington, D.C., 1999
B.S., UC Davis, Davis CA 1995

Internships Internal Medicine, Georgetown University Medical Center, Washington, D.C. 1999-2000



Jeffrey Allen Southard, M.D.

- Residency** Internal Medicine, Georgetown University Medical Center, Washington D.C. 2000-2002
- Fellowships** Cardiovascular Medicine, UC Davis Medical Center, Sacramento CA 2003-2006
- Board Certifications** American Board of Internal Medicine, 2002
American Board of Internal Medicine, Cardiology, 2006
American Board of Internal Medicine, Interventional Cardiology, 2008
- Professional Memberships** American College of Cardiology
American Heart Association
- Honors and Awards** Outstanding Fellow Award, Cardiology Fellowship, University of California, Davis Medical Center, 2006
Housestaff Professionalism Award, Cardiology Fellowship, University of California, Davis Medical Center, 2006
William P. Argy Award Winner, Outstanding Teaching Resident, Georgetown University Hospital, 2002
- Select Recent Publications** Singh GD, Smith TW, Boyd WD, Southard JA, Wong GB, Philip F, Low RI, Rogers JH. Complete Transcatheter Treatment of Degenerated Bioprosthetic Mitral Regurgitation: Transapical Paravalvular Leak Closure Followed by Transseptal Mitral Valve-in-Valve Replacement. *JACC Cardiovasc Interv.* 2015 Dec 21;8(14):e229-31.
- Fatakawala H, Gorpas D, Bishop JW, Bec J, Ma D, Southard JA, Margulies KB, Marcu L. Fluorescence Lifetime Imaging Combined with Conventional Intravascular Ultrasound for Enhanced Assessment of Atherosclerotic Plaques: an Ex Vivo Study in Human Coronary Arteries. *J Cardiovasc Transl Res.* 2015 Jun;8(4):253-63.
- Dinesen B, Nonnecke B, Lindeman D, Toft E, Kidholm K, Jethwani K, Young HM, Spindler H, Oestergaard CU, Southard JA, Gutierrez M, Anderson N, Albert NM, Han JJ, Nesbitt T. Personalized Telehealth in the Future: A Global Research Agenda. *J Med Internet Res.* 2016 Mar 1; 18(3):e53.
- Chu LL, Katzberg RW, Solomon R, Southard J, Evans SJ, Li CS, McDonald JS, Payne C, Boone JM,



Jeffrey Allen Southard, M.D.

RamachandraRao SP. Clinical Significance of Persistent Global and Focal Computed Tomography Nephrograms After Cardiac Catheterization and Their Relationships to Urinary Biomarkers of Kidney Damage and Procedural Factors: Pilot Study. *Invest Radiol.* 2016 Mar 11. [Epub ahead of print]

Philip F, Stewart S, Southard JA. Very late stent thrombosis with second generation drug eluting stents compared to bare metal stents: Network meta-analysis of randomized primary percutaneous coronary intervention trials. *Catheter Cardiovasc Interv.* 2016 Feb 24. [Epub ahead of print]

Philip F, Wong GB, Southard JA. Cerebral Embolization After Implantation of a Balloon-Expandable Aortic Valve Without Prior Balloon Valvuloplasty: When Is Doing Less More? *JACC Cardiovasc Interv.* 2016 Jan 11;9(1):107-8.

Nesbitt T, Doctorvaladan S, Southard JA, Singh S, Fekete A, Marie K, Moser DK, Pelter MM, Robinson S, Wilson MD, Cooper L, Dracup K. Correlates of quality of life in rural patients with heart failure. *Circ Heart Fail.* 2014 Nov;7(6):882-7.

Dracup K, Moser DK, Pelter MM, Nesbitt TS, Southard J, Paul SM, Robinson S, Cooper LS. Randomized, controlled trial to improve self-care in patients with heart failure living in rural areas. *Circulation.* 2014 Jul 15;130(3):256-64.

Dracup K, Moser DK, Pelter MM, Nesbitt T, Southard J, Paul SM, Robinson S, Hemsey JZ, Cooper L. Rural patients' knowledge about heart failure. *J Cardiovasc Nurs.* 2014 Sep-Oct;29(5):423-8.

Singh GD, Wong GB, Southard JA, Amsterdam EA. Food for thought: atrioventricular dissociation. *Am J Med.* 2013 Dec;126(12):1050-3.



Jeffrey Allen Southard, M.D.

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Uma N. Srivatsa, M.B.B.S.

Clinical Interests	Dr. Srivatsa research and clinical interests focus on electrophysiology and cardiac care.
Title	Associate Professor, Internal Medicine, Cardiology, Electrophysiology
Specialty	Cardiac Electrophysiology, Cardiology , Cardiovascular Medicine , Internal Medicine
Department	Internal Medicine
Division	Cardiovascular Medicine
Center/Program Affiliation	Cardiovascular Services
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Education	M.B.B.S., Tirunelveli Medical College, Madurai Kamaraj University, Tirunelveli, Tamilnadu, 1984-1990
Residency	Kilpauk Medical College, Kilpauk, Chennai, 1997 West LA VA Medical Center/UCLA, Los Angeles, California, 1999
Fellowships	UC San Diego, San Diego, California, 2005 West LA VA Medical Center/OVMC/UCLA, Los Angeles, California, 2003
Board Certifications	American Board of Internal Medicine, 1999 American Board of Internal Medicine, Cardiac Electrophysiology, 2005 American Board of Internal Medicine, Cardiology, 2003
Select Recent Publications	Bukkapatnam RN, Robinson M, Turnipseed S, Amsterdam E, Srivatsa UN. Troponin testing- not significant for CAD in supraventricular tachycardia. Am J Cardiol 2010;106:374-377. Bukkapatnam RN, Robinson M, Turnipseed S, Tancredi D, Amsterdam E, Srivatsa UN. Relationship of myocardial ischemia and injury to coronary artery disease in patients with supraventricular tachycardia. Am J Cardiol 2010 Aug;106(3):374-7. Uma N Srivatsa. Antiarrhythmic Drug Therapy vs Catheter Ablation for Paroxysmal Atrial Fibrillation. JAMA 2010;303(18):1809.



Uma N. Srivatsa, M.B.B.S.

Lindberg M, Amsterdam EA, Li Z, Srivatsa U. 'QRS Duration, an Indirect Reflection of Ventricular Synergy, Is not Altered in Decompensated Heart Failure.' *Critical Pathways in Cardiology* 2009;8 (2):88-90.

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Kathleen Tong, M.D.

Kathleen Tong welcomes LGBT patients.

Philosophy of Care

I believe in a multidisciplinary approach to managing chronic diseases and empowering patients through education about their condition.

My primary goals are to ensure that my patients have the best possible quality of life and survival by providing access to all appropriate therapies for their heart failure and to help them understand their condition so that they become members of the care team.

Clinical Interests

Dr. Tong's clinical interests rest in the management of heart failure patients, an expanding population in the United States.

Research over the last two decades has brought the medical community many effective pharmaceutical and surgical treatments for heart failure, and patients currently have a better chance at having a meaningful quality of life than ever before.

Research/Academic Interests

I am currently involved in a research project that evaluates the effectiveness of a multidisciplinary strategy in the transition of care of heart failure patients from the inpatient to the outpatient setting. I have additional training in advanced heart failure therapies such as heart transplantation and mechanical assist devices so that I can help patients who are at the end stages of their disease navigate all possible treatment options.

Title

Associate Professor
Director of Heart Failure Program
Director of the Preventative Cardiology and Cardiac Rehabilitation Program
Medical Director of the Ventricular Assist Device Program

Specialty

[Cardiovascular Medicine](#), Internal Medicine, Advanced Heart Failure and Heart Transplantation, Preventive Cardiology and Cardiac Rehabilitation

Department

[Internal Medicine](#)

Division

Cardiovascular Medicine

Center/Program Affiliation

[Cardiovascular Services](#)

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UC Davis Medical Center, 2315 Stockton Blvd. Sacramento, CA 95817



Kathleen Tong, M.D.

Phone: 800-2-UCDAVIS (800-282-3284)

Additional Phone Physician Referrals: 916-734-5678

Education M.D., Feinberg School of Medicine, Chicago IL 2003
B.S., UC Davis, Davis CA 1998

Internships Internal Medicine, Feinberg School of Medicine, Chicago IL 2002-2003

Residency Internal Medicine, UC Davis Medical Center, Sacramento CA 2003-2006

Fellowships Cardiovascular Medicine, UC Davis Medical Center, Sacramento CA 2006-2009
Advanced Heart Failure and Heart Transplantation, UC San Francisco Medical Center, San Francisco CA 2009-2010

Board Certifications American Board of Internal Medicine
American Board of Internal Medicine, Advanced Heart Failure and Heart Transplantation
American Board of Internal Medicine, Cardiovascular Medicine

Professional Memberships International Society for Heart and Lung Transplantation

Honors and Awards Chancellor's Award for Excellence in Residency, UC Davis Medical Center, 2006

Select Recent Publications Wettersten N, Wilson M, Tong K, Lopez J. Enhanced Prediction of Heart Failure 30-Day Readmission Risk With Four Readily-Available Clinical Variables. *Circulation*. 2014;130: A17063 .

Tong K, Myers S, Poole P, Nguyen J, Griffin E, Levich B. A Multidisciplinary Approach at the Primary Care Level Improves Heart Failure Care. *J of Cardiac Failure*. 2013;19:8, S42-S43.

Tong, KL, Ports T, McGlothlin D, Brown, C, De Marco T. Alcohol Septal Ablation To Treat Heart Failure Due to Dynamic Left Ventricular Outflow Tract Obstruction in a Patient With Glycogen Storage Disease Related to the PRKAG2 Gene Mutation. *J of Cardiac Failure*. 2010;16(8) S110.

Tong K, Hoppe B, Amsterdam A, Yang Y, Srivatsa U. Stroke Risk in Patients with Cardiac



Kathleen Tong, M.D.

Resynchronization Therapy from the ADVANCENT Heart Failure Registry: Not Related to Atrial Fibrillation in Those Older Than 75 Years. *J of Cardiac Failure*. 2009;15(6).

Tong KL, McGlothlin D, Leard L, Golden J, DeMarco T, Hoopes CH. Lung Transplantation for Pulmonary Arterial Hypertension Associated with Human Immunodeficiency Virus Infection. Presented at the annual International Society for Heart and Lung Transplantation meeting in Chicago on April 23, 2010.

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Jeffrey Uppington, M.B.B.S.

Jeffrey Uppington welcomes LGBT patients.

Clinical Interests	Dr. Uppington's clinical support involves working in the operating room two-to-three days/week providing cardiothoracic anesthesia, transesophageal echocardiograms (TEE) and general anesthesia. His research includes new anesthetic agents and servo control of anesthetic infusions.
Title	Chief of Staff Clinical Professor
Specialty	Anesthesiology, Anesthesiology - Cardiovascular and Thoracic
Department	Anesthesiology
Division	General Anesthesiology
Center/Program Affiliation	Cardiovascular Services
Address/Phone	UC Davis Medical Center, 2315 Stockton Blvd. Sacramento, CA 95817 Phone: 800-2-UCDAVIS (800-282-3284)
Additional Phone	Physician Referrals: 800-4-UCDAVIS (800-482-3284)
Education	M.B.B.S., The London Hospital Medical School, London, England, 1971
Internships	The London Hospital Medical School, London, 1971
Residency	United Bath Hospitals, Bath, 1972-73 United Bath Hospitals, Bath, 1983-86
Board Certifications	American Board of Anesthesiology, 1988 National Board of Echocardiography, 2002
Professional Memberships	American Society of Anesthesiologists Association of Anesthetics of Great Britain and Ireland Society for Education in Anesthesia Society of Anesthetists of the South Western Region, Great Britain Society of Cardiovascular Anesthesiologists Society of Obstetric Anesthetists, Great Britain



Jeffrey Uppington, M.B.B.S.

Select Recent Publications

- 2008 Konia M, Uppington J, Moore P, Liu H. Ascending aortic pseudoaneurysm: a late complication of coronary artery bypass. *Anesth Analg*, 106(3):767-8.
- 2008 Konia MR, Uppington J. Diastolic regurgitation through a bi-leaflet mechanical valve in the mitral position. *Anesth Analg*, 107(4):1166-7.
- 2006 Uppington J: Guidelines, recommendations, protocols and practice, Shorten G, Brown J, Carr O, Puig M, Harmon O, (ed), *Postoperative Pain Management--A Guide to Evidence Based Practice* (Chapter 3), Elsevier.
- 2006 Uppington J: Opioids, Ballantyne JC, (ed), *The Massachusetts General Hospital Handbook of Pain Management, 3rd edition*, Lippincott Williams and Wilkins, 104-26.
- 2002 Uppington J: Opioids (Chapter 9), SM Fishman, Abdi S, (ed), *The Massachusetts General Hospital of Pain Management, 2nd edition*, Lippincott Williams &Wilkins, Philadelphia. 103-124.
- 2000 Sutcliffe DG, Murphy CM, Maslow A, Uppington J, Shorten GO. A comparison of antagonism of rocuronium-induced neuromuscular blockade during sevoflurane and isoflurane anesthesia. *Anaesthesia*, 55(10):960-4.
- 2000 Uppington J: Miscellaneous Issues (Chapter 15), BJ Sweitzer, (ed), *Handbook of Preoperative Assessment and Management*, Lippincott Williams &Wilkins, Philadelphia. 331-366.

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Sandhya Venugopal, M.D.

Philosophy of Care

My goal has always been to provide the best standard of care for my patients. I strongly believe that decision-making in healthcare should be collaboration between the healthcare team and the patient and family. Communication is key In order to make this collaboration work well!

Research/Academic Interests

Dr. Venugopal's unique skills and passion lie in imparting optimal medical education to the adult learner. She endeavors to constantly search and continually strive to reshape the role of the clinician educator.

She is a talented lecturer, leader, and respected member of the UC Davis School of Medicine; dedicated to the interrelatedness of teaching, student learning and development, research and scholarship, and applied clinical skills.

Title

Health Sciences Associate Clinical Professor
Co-Director, Cardiovascular Fellowship Training Program
Director, Heart Station/ECG Laboratory

Specialty

[Cardiology](#), [Cardiovascular Medicine](#), Internal Medicine, Non-invasive Cardiology

Department

[Internal Medicine](#)

Division

Cardiovascular Medicine

Center/Program Affiliation

[Cardiovascular Services](#)

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Additional Phone

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Education

M.D., University of Kentucky College of Medicine, Lexington KY 1995

Internships

Internal Medicine, Oregon Health Sciences University, Portland OR 1999-2000

M.D., Oregon Health Sciences University, Portland OR 1999

Residency

Internal Medicine, Oregon Health Sciences University, Portland OR 2000-2002

Fellowships

General Medicine, Oregon Health Sciences University, Portland OR 2002-2003

Cardiovascular Medicine, Rush University Medical Center, Chicago IL 2003-2006



Sandhya Venugopal, M.D.

Board Certifications

American Board of Echocardiography
American Board of Internal Medicine
American Board of Internal Medicine, Cardiovascular Medicine

Professional Memberships

American College of Cardiology
American College of Cardiology - California Chapter
American Heart Association
American Society of Echocardiography

Honors and Awards

Dean's Award for Excellence in Medical Education, 2015
Master of Science: Health Professions Education, MGH/Harvard University, 2014
Master Clinician Educator, University of California, Davis, 2012

Select Recent Publications

Stauber SM, Teleten A, Li Z, Venugopal S, Amsterdam EA. Prognosis of Low-Risk Young Women Presenting to the Emergency Department With Chest Pain. *Am J Cardiol.* 2016 Jan 1;117(1):36-9.

Sab S, Dhruva SS, Paulsen J, Sidhu RS, Amsterdam EA, Venugopal S. Here Today, Gone Tomorrow. *Am J Med.* 2015 Dec;128(12):e7-9.

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Amparo Villablanca, M.D.

Philosophy of Care

My philosophy of care is woman-centered and culturally sensitive, with respect for each patient, and a goal of empowering women.

Clinical Interests

Dr. Villablanca is a preventive cardiologist who focuses on treating heart disease in women with the explicit goals of improving health-care outcomes and reducing gender-based health disparities. Her areas of expertise include all aspects of heart disease in women with specific interest in ischemic heart disease, chest pain syndromes with nonobstructive coronary artery disease (microvascular), preventive cardiology and the use of evidence-based guidelines for heart disease prevention in women, cardiac risk assessment including cardiac conditions associated with pregnancy (hypertension, diabetes, pre-eclampsia), cholesterol and lipid disorders, autonomic dysfunction including POTS, heart failure and peripartum cardiomyopathy, valvular heart disease, and arrhythmias in women.

Research/Academic Interests

Dr. Villablanca is professor of cardiovascular medicine, a physician-scientist with over 25 years experience in academic medicine, and a pioneering clinician in the field of women and heart disease. She is interested in the study of cardiovascular disease and prevention, with a focus on gender and sex differences and conditions that are unique to women or have female predominance. In 1994, she founded and became director of the UC Davis Women's Cardiovascular Medicine Program, the first women's heart program in the nation, that focuses on addressing the under-recognition, under-treatment and under-study of heart disease in women with the primary goal of improving outcomes and enhancing prevention.

Her translational research program focuses on understanding the molecular and cellular determinants of atherosclerosis, the mechanisms whereby hormones and their receptors regulate susceptibility to cardiovascular disease in males and females, and the vascular determinants that may contribute to dementia in males and females. She is also a leader in community-based participatory research, and has developed and assessed efficacy of heart disease prevention models for improving heart disease outcomes in women in community settings who are at high-risk for cardiovascular disease. Dr. Villablanca's research has been funded by several NIH Institutes, including the National Heart, Lung, and Blood Institute (NHLBI), the National Institute on Aging (NIA), and the National Institute of General Medical Sciences (NIGMS); as well as by the U. S. Dept of Health and Human Services, Office of Women's Health; and the NIH Office of Research on Women's Health where she was profiled as a 'woman scientist in action'.

Additionally, Dr. Villablanca is a mentor, champion and scholar for women in science careers. Her research team was the recipient of one of 14 NIH grants addressing issues posing barriers to women in the academic biomedical workforce, with a focus on career flexibility and family friendly



Amparo Villablanca, M.D.

practices. She helped to establish the School of Medicine's faculty development, diversity, mentoring, and women in medicine programs at the UC Davis School of Medicine and currently serves as director of the Women in Medicine and Health Sciences Program. She is also a co-chair of the national Research Partnership for Women in Science Careers to provide leadership and new insights into the key factors that promote the inclusion, retention, success, and advancement of women in academia.

Title	Professor and Lazda Endowed Chair, Women's Cardiovascular Medicine Director and Founder, UC Davis Women's Cardiovascular Medicine Program Director, Women in Medicine and Health Sciences, UC Davis School of Medicine
Specialty	Cardiology , Cardiovascular Medicine , Internal Medicine, Women's Health
Department	Internal Medicine
Division	Cardiovascular Medicine
Center/Program Affiliation	Cardiovascular Services UC Davis Medical Group Women's Center for Health
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Additional Phone	Phone: 530-752-0718 Fax: 916-734-6474 Physician Referrals: 916-734-5678
Languages	Spanish
Education	M.D., UC Davis School of Medicine, Sacramento CA 1983 B.S., UCLA, Los Angeles CA 1979
Internships	Internal Medicine, UC Davis Medical Center, Sacramento CA 1983-1984
Residency	Internal Medicine, UC Davis Medical Center, Sacramento CA 1984-1986
Fellowships	Cardiovascular Medicine, UC Davis Medical Center, Sacramento CA 1987-1990



Amparo Villablanca, M.D.

Board Certifications

American Board of Internal Medicine, 1987
American Board of Internal Medicine, Cardiovascular Disease, 1993

Professional Memberships

American College of Cardiology
American Heart Association, Golden Heart Member
Mouse Biology Program (UC Davis)
National Institute's of Health
National Institute's of Health, Permanent Member Grant Peer Review Panel
Research Partnership on Women in Science Careers - Co-Chair
Research Partnership on Women in Science Careers, Co-chair
The National Coalition for Women with Heart Disease

Honors and Awards

Health Care Hero, 2013
Distinguished Scholarly Public Service Award, 2011
Helen Rodriguez-Trias Award for Excellence in Community-based Women's Health Leadership, 2009
UC Davis School of Medicine, 2008
Heart of Gold Award, 2008
Red Dress Award, 2004

Select Recent Publications

Villablanca, A. C., Beckett, L.A., Li, Y., Leatherwood, S., Gill, S.K., Giardina, E.V., Barron, C., Foody, J.M., Haynes, S., D'Onofrio, G. Outcomes of comprehensive heart care programs in high-risk women. *Journal of Women's Health*, 2010;19(7): 1313-1325.

Villablanca, A. C., Pinkerton, K.E., Rutledge, J.C. Maternal and neonatal exposure to environmental tobacco smoke increases pro-inflammatory genes in neonatal arteries. *Journal Cardiovascular Translational Research*, 2010 Oct 2(Epub: ahead of print).

Villablanca, A.C., Muthuvel, J., Banka, C. Atherosclerosis and sex hormones: Current concepts. Invited Review. *Clinical Science*, 2010;119(12): 495-513.

Villablanca, A.C., Arline, S., Lewis, J., Raju, S., Sanders, S., Carrow, S. Outcomes of national community organization cardiovascular prevention programs for high-risk women. *Journal of Cardiovascular Translational Research*, 2009;2(3), p306.

Villablanca, A. C., Tenwolde, A., Lee, M., Huck, M., Mumenthaler, S., Rutledge, J.C. 17 β estradiol prevents early stage atherosclerosis in estrogen receptor-alpha deficient female mice. *Journal of Cardiovascular Translational Research*, 2009;2: 289-299.



Amparo Villablanca, M.D.

Villablanca, A.C., Baxi, H., and Anderson, K. Novel Data Interface for Evaluating Cardiovascular Outcomes in Women. Handbook of Research on Information Technology Management and Clinical Administration in Healthcare. Dwivedi, A. (ed). IGI Publishing 1,142 pp; May 2009.

Bukkapatnam, R.N., Berglund, L., Anuurad, E., Devaraj, S., Hyson, D., Rafii, F., Malmstein, C., Villablanca, A. C. Postprandial metabolic responses to dietary glycemic index in hypercholesterolemic postmenopausal women. Preventive Cardiology, 2009;13(1): 29-35.

Foody, J.M., Villablanca, A. C., Giardina, E.V., Gill, S., Taylor, A.L., Leatherwood, S., Haynes, S.G., D'Onofrio, G. The office on women's health initiative to improve women's heart health: Program description, site characteristics and lessons learned. Journal of Women's Health, 2009;19(3): 507-516.

Corbacho, AM, Eiserich, JP, Zuniga, LA, Valacchi, G, Cross, CE, and Villablanca, AC. Compromised Aortic Vasoreactivity in Male Estrogen Receptor-Alpha Deficient Mice During Acute Lipopolysaccharide-Induced Inflammation. Endocrinology. Mar;148(3):1403-11, 2007.

Benton, J., Powers, A., Eiselein, L., Fitch, R., Wilson, D., Villablanca, A.C., and Rutledge, J.C. Hyperglycemia and loss of ovarian hormones mediate atheroma formation through endothelial layer disruption and increased permeability. Am J Physiol Regul Integr Comp Physiol. Feb;292(2): R723-30, 2007.

Wang-Polagruto, J., Villablanca, A.C., Polagruto, J, Lee, L., Holt, RA., Schrader, H., Ensunsa, J., Steinberg, FM., Schmitz, H., and Keen, CL. Chronic Consumption of Flavanol-rich Cocoa Improves Endothelial Function and Decreases Vascular Cell Adhesion Molecule (VCAM-1) in Hypercholesterolemic Postmenopausal Women J. Cardiovascular Pharmacology, 47[Suppl 2]: S177-S186, 2006.

Villablanca, AC, D Lubhan, L Shelby, K Lloyd and S Barthold. Susceptibility to early atherosclerosis in male mice is mediated by estrogen receptor a (ERa). Atherosclerosis, Thrombosis and Vascular Biology, 24:1055-1061 (with journal editorial). Erratum in: Arterioscler Thromb Vasc Biol, 24(6): 1055-1061.

Nandur, R, K Kumar and AC Villablanca. Cardiovascular actions of selective estrogen receptor modulators (SERMs) and phytoestrogens. Preventive Cardiology, 7:73-79. Invited review.

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Kathrine M. Ware, A.N.P.

Clinical Interests	<p>Ms. Ware's clinical interests include non-cardiac vascular disease, as well as risk-factor and life-style modifications including smoking cessation, lipid management, nutrition, exercise, stress reduction and self-care. She has experience with complex wound care and venous disease, and is interested in healthcare economics policy, tobacco control policy, and patient advocacy.</p> <p>Ms. Ware has a patient-centered approach to health for individuals, with a focus on maximizing wellness within the spectrum of the disease process. She highlights the importance of family, social and community support for wellness. She feels that a basis for patient-directed goal setting for wellness considers all aspects of human needs, including physical, mental, emotional, intellectual and spiritual.</p>
Title	Nurse Practitioner II
Specialty	Vascular and Endovascular Care
Department	Surgery
Division	Vascular Surgery
Center/Program Affiliation	Cardiovascular Services
Address/Phone	<p>Lawrence J. Ellison Ambulatory Care Center, Vascular Center, 4860 Y St. Suite 2100 Sacramento, CA 95817</p> <p>Phone: 916-734-3800</p>
Additional Phone	Physician Referrals: 800-4-UCDAVIS (800-482-3284)
Education	<p>A.N.P., M.S.N., UC San Francisco School of Nursing, San Francisco, California, 2005</p> <p>B.S.N., San Diego State University, San Diego, California, 1983</p>
Board Certifications	<p>Nurse Practitioner/Adult Health, 2005</p> <p>Vascular Nursing, 2000</p>
Professional Memberships	<p>American College of Nurse Practitioners</p> <p>American Nurses Association</p> <p>American Nurses Association/California</p> <p>California Association for Nurse Practitioners</p> <p>Society for Vascular Nursing</p>



Kathrine M. Ware, A.N.P.

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Charles K. Whitcomb, M.D.

Clinical Interests	Charles K. Whitcomb specializes in the evaluation and management of patients in both clinical and cardiac catheterization laboratory settings. His specialty includes cardiovascular disease and, specifically, noninvasive cardiology. Whitcomb is actively involved in the institution's transition to a managed-care environment.
Title	Professor
Specialty	Cardiology , Cardiovascular Medicine , Internal Medicine, Interventional Cardiology
Department	Internal Medicine
Division	Cardiovascular Medicine UC Davis Medical Group, Davis
Clinic	UC Davis Medical Group, Davis
Center/Program Affiliation	Cardiovascular Services UC Davis Medical Group
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Additional Phone	Physician Referrals: 916-734-5678
Education	M.D., UC Davis School of Medicine, Sacramento, California, 1974
Internships	UCLA Center for Health Sciences, Westwood, California, 1975
Residency	UCLA Center for Health Sciences, Westwood, California, 1977
Fellowships	UC Davis, Davis, California, 1979
Board Certifications	American Board of Internal Medicine, 1977

Charles K. Whitcomb, M.D.

American Board of Internal Medicine, Cardiovascular Disease, 1979

American Board of Internal Medicine, Interventional Cardiology, 2002

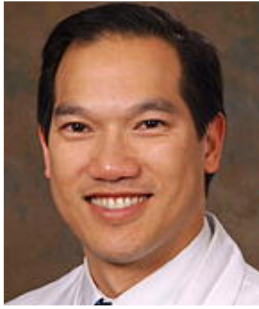
Select Recent Publications

Glatter KA, Chiamvimonvat N, Whitcomb C, Bloom H. Images in cardiovascular medicine.

Malignant vasovagal syncope. *Circulation* 2003 Jun;107(23):2987-8.

Whitcomb C, Enzmann G, Pershadsingh HA, Johnson R, Ciuryla V, Reisin E. A comparison of nisoldipine ER and amlodipine for the treatment of mild to moderate hypertension. *Int J Clin Pract.* 2000 Oct;54(8):509-13.

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Garrett B. Wong, M.D.

Title	Associate Clinical Professor
Specialty	Cardiology , Cardiovascular Medicine , Internal Medicine, Interventional Cardiology
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Additional Phone	Physician Referrals: 800-4-UCDAVIS (800-482-3284)
Education	M.D., Finch University of Health Sciences, The Chicago Medical School, Chicago IL 1998 B.A., UC Berkeley, Berkeley CA 1993
Internships	Internal Medicine, UC Davis Medical Center, Sacramento CA 1998-1999
Residency	Internal Medicine, UC Davis Medical Center, Sacramento CA 1999-2001
Fellowships	Interventional Cardiology, Scripps Clinic, San Diego CA 2004-2005 Cardiovascular Medicine, UC Davis Medical Center, Sacramento CA 2001-2004
Board Certifications	American Board of Internal Medicine, 2001 American Board of Internal Medicine, Cardiovascular Medicine, 2004 American Board of Internal Medicine, Interventional Cardiology, 2005
Professional Memberships	American Board of Hospital Physicians American College of Cardiology American College of Ethical Physicians American Heart Association American Medical Association
Honors and Awards	Chief Fellow, Cardiovascular Medicine Fellowship, UC Davis Medical Center, 2003 Clinical Fellow Recognition Award, UC Davis Medical Center, 2002 Internal Medicine Resident Teaching Award, UC Davis School of Medicine, 2001
Select Recent Publications	Philip F, Wong GB, Rogers JH, Low RI, Southard JA. Aortic Root and Annular Anatomical



Garrett B. Wong, M.D.

Exclusion for Transcatheter Aortic Valve Implantation. TCT Scientific Sessions. San Francisco, CA. November 11-15, 2015.

Wong GB, Southard JA, Rogers JH, Smith TW, Philip F, Singh G, Latif S, Boyd WD, Atkins B, Low RI. Heart Rate Variability of the Aortic Regurgitation Index Following Transcatheter Aortic Valve Replacement. SCAI 2015 Scientific Sessions. San Diego, CA May 6-10, 2015.

Sarcon A, Ghadri JR, Wong GB, Luscher TF, Templin C, Amsterdam EA. Takotsubo cardiomyopathy associated with opiate withdrawal. Q J Med. 2014; 107: 301-302.

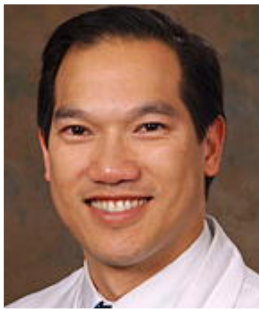
Singh GD, Wong GB, Southard JA, Amsterdam EA. Food for thought: Atrioventricular dissociation. Am J of Medicine. 2013; 126(12): 1050-1053.

Wong GB, Southard J, Rogers J, Singh G, Smith T, Armstrong E, Flores M, Boyd D, Low R. Heart Rate Variability of the Aortic Regurgitation Index Following Transcatheter Aortic Valve Replacement. SCAI 2013 Scientific Sessions. Orlando, FL May 8-11, 2013.

Wong GB, Southard J, Rogers J, Smith T, Armstrong E, Levisman J, Flores M, Boyd D, Low R. Effects Of Heart Rate On The Aortic Regurgitation Index Following Transcatheter Aortic Valve Replacement. J Am Coll Cardiol. 2013 Mar; 61(10). E1890.

Balwanz CR, Javed U, Singh GD, Armstrong EJ, Southard JA, Wong GB, Yeo KK, Low RI, Laird JR Jr, Rogers JH. Transradial and transfemoral coronary angiography and interventions: 1-year outcomes after initiating the transradial approach in a cardiology training program. American Heart Journal. 2013 Mar; 165(3): 310-6.

Seaman CB, Li Z, Wong GB. Coronary angiogram findings in patients who abuse amphetamines: A



Garrett B. Wong, M.D.

retrospective analysis. JACC. 2010, 55 (10A): A112.E1051.

Wong GB, Price MJ, Teirstein, PS. Guidewire Technology: Hydrophilic vs. Stiff Wire Selection. Handbook of Chronic Total Occlusions. Martin Dunitz Ltd. 2007.

Valencia R, Price MJ, Sawhney N, Lee SS, Wong GB, Gollapudi RR, Banares M, Schatz RA, Teirstein PS. Efficacy and Safety of Triple Antiplatelet Therapy With and Without Concomitant Anticoagulation During Elective Percutaneous Coronary Intervention (the REMOVE Trial). American Journal of Cardiology, 2007;100(7): 1099-102.

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Yingbo Yang, M.D., Ph.D.

Yingbo Yang welcomes LGBT patients.

Philosophy of Care

I believe that the best knowledge and skills in Cardiac Electrophysiology, and personal care are important for the best patient care. I will continue to improve myself by keeping abreast with literature, practice, learning from outstanding EP colleagues, research and teachings. I promise to do my best to improve my patients' health

Research/Academic Interests

My research is focused on complex arrhythmia mapping and ablation and ion channel diseases. My clinical and translational research focuses on cardiac electrophysiology.

Title Associate Clinical Professor

Specialty Cardiac Electrophysiology, [Cardiovascular Medicine](#), [Cardiology](#), Internal Medicine

Department [Internal Medicine](#)

Division Cardiovascular Medicine

Center/Program Affiliation [Cardiovascular Services](#)

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Languages Mandarin Chinese

Education M.D., Shandong Medical University, Jinan, China 1987

Ph.D., Physiology, Temple University School of Medicine, Philadelphia PA 1998

Internships Internal Medicine, Abington Memorial Hospital, Temple University, Abington PA 1999-2000

Residency Internal Medicine, Abington Memorial Hospital, Temple University, Abington PA 2000-2002



Yingbo Yang, M.D., Ph.D.

Fellowships Cardiovascular Medicine, Shandong Medical University, Shandong, China 1990
Cardiovascular Medicine, Vanderbilt University, Nashville TN 2002-2006
Cardiovascular Electrophysiology, Vanderbilt University, Nashville TN 2006-2007

Board Certifications American Board of Internal Medicine, 2002
American Board of Internal Medicine, Cardiac Electrophysiology, 2007
American Board of Internal Medicine, Cardiovascular Medicine, 2006

Professional Memberships American College of Cardiology
American Medical Association
Heart Rhythm Society

Honors and Awards ACCF/Bristol-Myers Squibb Travel Award Winner, 2005
Best Academic Achievement Award, Abington Memorial Hospital, 2001
Intern of the Year, Abington Memorial Hospital, 2000

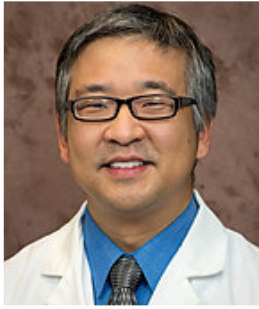
Select Recent Publications Yingbo Yang, Xiongwen Chen, Kenneth Margulies, Valvulan Jeevanandam, Pia Pollack, Beth A Bailey and Steven R. Houser: L-Type Ca⁺⁺ Channel $\alpha 1c$ Subunit Isoform Switching in Failing Human Ventricular Myocardium. *Journal of Molecular and Cellular Cardiology* 2000, 32: 973-984.
Yingbo Yang, Wei-Zhong Zhu, Mei-ling Joiner, Rong Zhang, Carmine V. Oddis, Yue Hou, Jinying Yang, Edward E. Price, Linda Gleaves, Mesut Eren, Gemin Ni, Douglas E. Vaughan, Rui-Ping Xiao, and Mark E. Anderson. Calmodulin Kinase II Inhibition Protects against Myocardial Cell Apoptosis in Vivo. *Am J Physiol, Heart Circ Physiol.* 2006 Dec; 291(6):H3065-75.
Khoo MS, Li J, Singh MV, Yang Yingbo, Kannankeril P, Wu Y, Grueter CE, Guan X, Oddis CV, Zhang R, Mendes L, Ni G, Madu EC, Yang J, Bass M, Gomez RJ, Wadzinski BE, Olson EN, Colbran RJ, Anderson ME. Death, Cardiac Dysfunction, and Arrhythmias Are Increased by Calmodulin Kinase II in Calcineurin Cardiomyopathy. *Circulation.* 2006 Sep 26;114 (13):1352-9.
Yingbo Yang, Rong Zhang, Michelle Khoo, Yuejing Wu, Mark E Anderson: Calmodulin kinase II Inhibition Protects against Structural Heart Disease: A Novel Approach for Selectively Targeting Pathological Responses to Beta Adrenergic Receptor Signaling. *Nature Medicine.* 2005 Apr; 11(4): 409-17.

Srivatsa UN, Danielsen B, Anderson I, Amsterdam E, Pezeshkian N, Yang Y, White RH. Risk predictors of stroke and mortality after ablation for atrial fibrillation: the California experience 2005-2009. *Heart Rhythm.* 2014 Nov;11(11):1898-903.



Yingbo Yang, M.D., Ph.D.

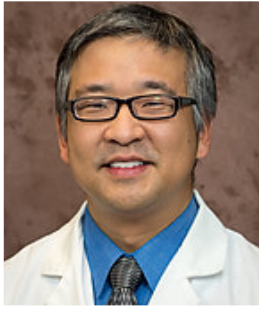
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Aubrey Yao, M.D.

Aubrey Yao welcomes LGBT patients.

Clinical Interests	Dr. Yao's clinical research interests include transesophageal echocardiography, resident education, and anesthesia simulation. His research interests include non-invasive techniques for measuring cardiac output monitoring and non-invasive hemoglobin measurement.
Title	Associate Clinical Professor
Specialty	Anesthesiology, Anesthesiology - Cardiovascular and Thoracic
Department	Anesthesiology
Division	Cardiovascular and Thoracic Anesthesia
Center/Program Affiliation	Cardiovascular Services
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Additional Phone	Physician Referrals: 800-4-UCDAVIS (800-482-3284)
Education	M.D., University of Missouri, Kansas City, School of Medicine, Kansas City MO 2001 B.A., Northwestern University, Evanston IL 1995
Residency	Urology, UC Davis Medical Center, Sacramento CA 2001-2004 Anesthesiology, UC Davis Medical Center, Sacramento CA 2005-2008
Fellowships	Adult Cardiothoracic Anesthesiology, UC Davis Medical Center, Sacramento CA 2008-2009
Board Certifications	American Board of Anesthesiology, 2009 National Board of Echocardiography - Advanced Perioperative Transesophageal Echocardiography, 2009
Professional Memberships	American Society of Anesthesiologists International Anesthesia Research Society Society of Cardiovascular Anesthesiologists
Honors and Awards	Dean's Team Award for Excellence - Code Blue Team Training, 2013 Outstanding Resident Teaching Award, UC Davis Department of Anesthesiology and Pain Medicine, 2011



Aubrey Yao, M.D.

Clinical Fellow Professionalism Award, UC Davis, Department of Anesthesiology and Pain Medicine, Sacramento, CA, 2009

Sara C. Armstrong Award for Compassionate Care, UC Davis Health System, Sacramento, CA, 2009

Anesthesiology Resident of the Year, UC Davis, Department of Anesthesiology and Pain Medicine, Sacramento, CA, 2007

Abbott Laboratories Resident Research Award Finalist, CSA Annual Meeting, San Diego, CA, 2007

Honors earned in Urology, Transplant Surgery, Surgery, General Surgery, Psychiatry, Family Medicine, Clinical Pharmacology, University of Missouri at Kansas City, 2001

National Merit Scholar, Northwestern University, 1995

Select Recent Publications

Barton J, Alsomali S, Ng V, Clarke S, Yao A, Carlisle M, Dunbar K, Hammontree W, Bair A. Impact of Multidisciplinary Team Training and High Fidelity Simulation In Critical Patient Scenarios. *Med Sci Educ (JIAMSE)*. 2013 Oct;23(3S):532-540.

Konia M, Yao A. Simulation-a new educational paradigm? *J Biomed Res*. 2013 Mar;27(2):75-80.

Yao A, et al. The effects of aromatic anesthetics on dorsal horn neuronal responses to noxious stimulation. *Anesth Analg*. 2009 June;106(6):1759-64.

2007 Kim J, Yao A, et al. Neurons in the ventral spinal cord are more depressed by isoflurane, halothane and propofol than are neurons in the dorsal spinal cord. *Anesth Analg*. 2007 Oct;105(4):1020-6.

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J. Nilas Young, M.D.

Clinical Interests	J. Nilas Young has a long record as an innovative surgeon and educator. He has been Professor and Chief of the Division of Cardiothoracic Surgery since 2001, as well as Program Director for the Cardiothoracic Surgery Residency Program. In 1989, he founded Heart to Heart International Children's Medical Alliance, a nonprofit organization that has established six cardiothoracic surgery programs in Russia. Dr. Young's clinical interests include complex valve repair, aortic disease, coronary revascularization, and congenital heart disease. His current research interests include outcomes for coronary bypass surgery, and his basic research involves myocardial cell ion transport and RNA profiling in myocardial stem cells.
Title	Chief of Cardiothoracic Surgery Professor
Specialty	Surgery - Cardiothoracic , Surgery - Thoracic
Department	Surgery
Division	Cardiothoracic Surgery
Center/Program Affiliation	Cardiovascular Services
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Additional Phone	Phone: 916-734-3861 Physician Referrals: 800-4-UCDAVIS (800-482-3284)
Education	M.D., Louisiana State University School of Medicine, New Orleans, Louisiana, 1970
Board Certifications	American Board of Surgery, 1976 American Board of Thoracic Surgery, 1998
Professional Memberships	American Association for the Advancement of Science American Association for Thoracic Surgery American College of Cardiology American College of Chest Physicians American College of Surgeons American Medical Association



J. Nilas Young, M.D.

International Society for Minimally Invasive Cardiac Surgery
Society of Thoracic Surgeons
Western Thoracic Surgical Association

Select Recent Publications

- Cao L, Young N, Liu H, Silvestry S, Sun W, Zhao N, Diehl J, Sun J. Preoperative aspirin use and outcomes in cardiac surgery patients. *Ann Surg*. 2012 Feb;255(2):399-404.
- Sirish P, Lopez JE, Li N, Wong A, Timofeyev V, Young JN, Majdi M, Li RA, Chen HS, Chiamvimonvat N. MicroRNA profiling predicts a variance in the proliferative potential of cardiac progenitor cells derived from neonatal and adult murine hearts. *J Mol Cell Cardiol*. 2012 Jan;52(1):264-72. Epub 2011 Oct 20.
- Castellanos LR, Li Z, Yeo KK, Young JN, Ayanian JZ, Amsterdam EA. Relation of race, ethnicity and cardiac surgeons to operative mortality rates in primary coronary artery bypass grafting in California. *Am J Cardiol*. 2011 Jan;107(1):1-5.
- Tuteja D, Rafizadeh S, Timofeyev V, Wang S, Zhang Z, Li N, Mateo RK, Singapuri A, Young JN, Knowlton AA, Chiamvimonvat N. Cardiac small conductance Ca²-activated K channel subunits form heteromultimers via the coiled-coil domains in the C termini of the channels. *Circ Res*. 2010 Oct 1;107(7):851-9. Epub 2010 Aug 5.
- Li Z, Denton T, Yeo KK, Parker JP, White R, Young JN, Amsterdam EA. Off-pump bypass surgery and postoperative stroke: California coronary bypass outcomes reporting program. *Ann Thorac Surg*. 2010 Sep;90(3):753-9.
- Rogers JH, Yeo KK, Carroll JD, Cleveland J, Reece TB, Gillinov AM, Rodriguez L, Whitlow P, Woo YJ, Herrmann HC, Young JN. Late surgical mitral valve repair after percutaneous repair with the MitraClip system. *J Card Surg*. 2009 Nov-Dec;24(6):677-81. Epub 2009 Jul 24.
- Kumar SP, Mahtabifard A, Young JN. Fractured inferior vena cava filter strut presenting as a penetrating foreign body in the right ventricle: report of a case. *J Card Surg*. 2008 Jul-Aug;23(4):378-81. Epub 2008 Jul 1.
- Lu L, Zhang Q, Timofeyev V, Zhang Z, Young JN, Shin HS, Knowlton AA, Chiamvimonvat N. Molecular coupling of a Ca²-activated K channel to L-type Ca² channels via alpha-actinin2. *Circ Res*. 2007 Jan 5;100(1):112-20. Epub 2006 Nov 16.
- Tuteja D, Xu D, Timofeyev V, Lu L, Sharma D, Zhang Z, Xu Y, Nie L, Vazquez AE, Young JN, Glatzer KA, Chiamvimonvat N. Differential expression of small-conductance Ca²-activated K channels SK1, SK2, and SK3 in mouse atrial and ventricular myocytes. *Am J Physiol Heart Circ Physiol*. 2005 Dec;289(6):H2714-23. Epub 2005 Jul 29.



J. Nilas Young, M.D.

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