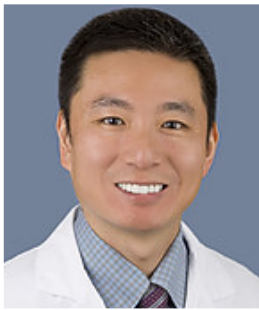




Yung-Wei Chi, D.O.

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	Professor
Specialty	Cardiovascular Medicine , Internal Medicine, Vascular and Endovascular Care, Vascular Surgery
Department	Internal Medicine UC Davis Medical Group
Division	Cardiovascular Medicine
Clinic	UC Davis Medical Group, Rocklin
Center/Program Affiliation	Cardiovascular Services Vascular Center UC Davis Medical Group
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 - Rocklin, 550 West Ranch View Dr. Suite 2005 Rocklin, CA 95765 Phone: 916-295-5700
Additional Phone	Clinic Phone: 916-734-3761 Clinic Fax: 916-734-3801 Clinic Fax: 916-295-5764 Physician Referrals: 800-4-UCDAVIS (800-482-3284)
Languages	Mandarin Chinese
Education	D.O., University of Health Sciences College of Osteopathic Medicine, Kansas City MO 1997 B.S., UC Irvine, Irvine CA 1992



Yung-Wei Chi, D.O.

Internships Cleveland Clinic Foundation, Cleveland OH 1998

Residency Cleveland Clinic Foundation, Cleveland OH 2000

Fellowships Cleveland Clinic Foundation, Cleveland OH 2001

Board Certifications American Board of Internal Medicine, 2000
American Board of Phlebology, 2009
American Board of Vascular Medicine, 2006

Select Recent Publications Santiago FR, Piscoya M, Chi YW. Change in perception of sclerotherapy results after exposure to pre-post intervention photographs. *Phlebology*. 2018 May;33(4):282-287. Epub 2017 Oct 23. Erratum in: *Phlebology*. 2018 May;33(4):292.

Lather HD, Gornik HL, Olin JW, Gu X, Heidt ST, Kim ESH, Kadian-Dodov D, Sharma A, Gray B, Jaff MR, Chi YW, Mace P, Kline-Rogers E, Froehlich JB. Prevalence of Intracranial Aneurysm in Women With Fibromuscular Dysplasia: A Report From the US Registry for Fibromuscular Dysplasia. *JAMA Neurol*. 2017 Sep 1;74(9):1081-1087.

Santiago FR, Piscoya M, Chi YW. A sonographic study of thigh telangiectasias. *Phlebology*. 2017 Jan 1:268355517717404.

Chi YW, Durbin-Johnson B, Schul M. Short-form 6D assessment in compression module of the American College of Phlebology Patient Reported Outcome Venous Registry. *Phlebology*. 2018 Jul; 33(6):425-429.

Chi YW, Tseng KH, Li R, Pan T. Comparison of piezoresistive sensor to PicoPress® in in-vitro interface pressure measurement. *Phlebology*. 2018 Jun;33(5):315-320.

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Yung-Wei Chi, D.O.

Kadian-Dodov D, Gornik HL, Gu X, Froehlich J, Bacharach JM, Chi YW, Gray BH, Jaff MR, Kim ES, Mace P, Sharma A, Kline-Rogers E, White C, Olin JW. Dissection and Aneurysm in Patients With Fibromuscular Dysplasia: Findings From the U.S. Registry for FMD. *J Am Coll Cardiol.* 2016 Jul 12;68(2):176-85.

Li R, Nie B, Zhai C, Cao J, Pan J, Chi YW, Pan T. Telemedical Wearable Sensing Platform for Management of Chronic Venous Disorder. *Ann Biomed Eng.* 2016 Jul;44(7):2282-91.

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.

Mosti G, De Maeseneer M, Cavezzi A, Parsi K, Morrison N, Nelzen O, Rabe E, Partsch H, Caggiati A, Simka M, Obermayer A, Malouf M, Flour M, Maleti O, Perrin M, Reina L, Kalodiki E, Mannello F, Rerkasem K, Cornu-Thenard A, Chi YW, Soloviy M, Bottini O, Mendyk N, Tessari L, Varghese R, Etcheverry R, Pannier F, Lugli M, Carvallo Lantz AJ, Zamboni P, Zuolo M, Godoy MF, Godoy JM, Link DP, Junger M, Scuderi A. Society for Vascular Surgery and American Venous Forum Guidelines on the management of venous leg ulcers: the point of view of the International Union of Phlebology. *Int Angiol.* 2015 Jun;34(3):202-18.

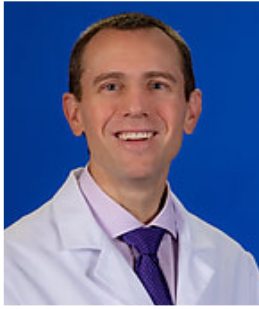
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Stefanie Generao, MSN, FNP-BC, CWCN

Philosophy of Care	I take a patient-centered approach to health for individuals in order to promote patient education, family and caregiver engagement, and the use of community resources to ensure healing and maintain wellness. I highlight the importance of family, social, and community support for wellness.
Clinical Interests	Stefanie has been a nurse for nearly 24 years, 14 of which she has been a nurse practitioner. Her nursing experience includes cardiothoracic surgery, surgical critical care, and trauma. Stefanie was a trauma nurse practitioner here at UC Davis Medical Center prior to joining the Vascular Center. Her clinical interests include non-cardiac vascular disease, management of chronic wounds secondary to arterial and venous disease, risk-factor and lifestyle modification, exercise, and caregiver education.
Title	Nurse Practitioner II
Specialty	Vascular and Endovascular Care
Center/Program Affiliation	Vascular Center
Address/Phone	Lawrence J. Ellison Ambulatory Care Center, Vascular Center, 4860 Y St. Suite 2100 Sacramento, CA 95817 Phone: 916-734-3800
Education	M.S., Nursing, Family Nurse Practitioner Program, Georgetown University, 2004 B.S., Nursing, Clemson University, 1994
Board Certifications	Certified Wound Care Nurse (CWCN) Family Nurse Practitioner

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Roger Eric Goldman, M.D., Ph.D.

Philosophy of Care	I seek to provide efficacious, compassionate, and safe care to patients of all walks of life. As a Vascular & Interventional Radiologist, I can provide minimally invasive procedures to improve my patients health and well being and get them out of the clinic and hospital and back to living life. I provide cutting edge medicine without the cutting.
Clinical Interests	Dr. Goldman specializes in minimally invasive image-guided procedures for diagnosis and treatment along the full spectrum of disease acuity and complexity. His clinical interests include venous thromboembolic disease, IVC filter management, selective venous sampling for endocrine disorders, intra-arterial and percutaneous cancer therapy, and endovascular trauma intervention.
Research/Academic Interests	Dr. Goldman's research focuses on novel technological solutions to complex problems in diagnostic and interventional medicine and surgery. In addition to research, he collaborates in training the next generation of thought leaders in interventional radiology and biomedical engineering.
Title	Assistant Professor
Specialty	Vascular and Interventional Radiology
Department	Radiology
Division	Vascular and Interventional Radiology
Center/Program Affiliation	Vascular Center
Address/Phone	Lawrence J. Ellison Ambulatory Care Center, Radiology, 4860 Y St. Suite 3100 Sacramento, CA 95817
Additional Phone	Clinic Phone: 916-734-3800 Clinic Fax: 916-734-1020 Physician Referrals: 800-4-UCDAVIS (800-482-3284)
Education	M.D., Columbia University of Physicians and Surgeons, New York NY 2013 Ph.D., Columbia College of Arts and Sciences, New York NY 2013 B.S., Stanford University, Stanford CA 2002
Internships	Medicine, Crozer-Chester Medical Center, Upland PA 2013-2014
Residency	Radiology, Stanford University, Stanford CA 2014-2018



Roger Eric Goldman, M.D., Ph.D.

Fellowships Vascular & Interventional Radiology, Stanford University, Stanford CA 2018-2019

Professional Memberships American College of Radiology (ACR)
Radiological Society of North America (RSNA)
Society of Interventional Radiology

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Nasim Hedayati, M.D., M.A.S., M.S.

Philosophy of Care

Dr. Hedayati works closely with her patients to establish a foundation of trust and optimizes their cardiovascular risk factor modifications and preventative care. She thoroughly discusses surgical and non-surgical options with patients and families so informed decisions are made as a team.

Clinical Interests

Dr. Hedayati's practice is focused on all aspects of vascular disease including treatment of venous disease and varicose veins, peripheral arterial disease, abdominal aortic aneurysm, and carotid artery disease. She uses the latest office-based non-invasive technologies to treat varicose veins and the latest endovascular as well as open surgical techniques for treatment of peripheral arterial disease, carotid artery disease, and abdominal aortic aneurysm.

Research/Academic Interests

Dr. Hedayati's research has focused on outcomes of minimally invasive endovascular peripheral arterial interventions compared to open bypass operations, treatment of patients with arterial and venous insufficiency. She is also interested in exploring outcomes of stem cell therapy for patients with peripheral arterial disease.

Title Medical Director, UC Davis Vein Center
Professor, Department of Surgery

Specialty Vascular Surgery

Department [Surgery](#)

Division Vascular Surgery

Clinic Vascular Surgery Clinic

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

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Languages Farsi

Education M.D., Chicago Medical School, Chicago IL 1998
M.S., Chicago Medical School, Chicago IL 1994
M.A.S., UC Davis School of Medicine, Sacramento CA 2011



Nasim Hedayati, M.D., M.A.S., M.S.

B.S., UCLA, Los Angeles CA 1993

Internships General Surgery, Case Western Reserve University, Cleveland OH 1998-1999

Residency General Surgery, Case Western Reserve University, Cleveland OH 1999-2005

Fellowships Vascular Surgery, Baylor College of Medicine, Houston TX 2005-2007

Board Certifications American Board of Surgery - General Surgery, 2016
American Board of Surgery - Vascular Surgery, 2018
Medical Board of California
Registered Physician in Vascular Interpretation

Professional Memberships American College of Surgeons - Fellow
American Registry for Diagnostic Medical Sonography
American Venous Forum
Association of VA Surgeons
Association of Women Surgeons
Society for Vascular Surgery
Western Vascular Society

Honors and Awards UC Davis Health, Nursing Excellence Award-Relationships and Teamwork, 2017
Society for Vascular Surgery's Women's Leadership Training Grant, 2016
UC Davis School of Medicine Appreciation Award-Mentoring Medical Research Fellowship Student, 2012
Mentored Clinical Research Training Program (K30), Masters of Advanced Study (MAS) in Clinical Research, 2009, 2010, 2011
Molecular Surgeon Young Investigator Award, Michael E. DeBakey Department of Surgery, Baylor College of Medicine, Houston, TX, 2006
Annual Resident Research Competition, Cleveland Surgical Society, Second Place Award. Cleveland, OH, 2002
C. Walton Lillehei Resident Forum Presentation, American Association for Thoracic Surgery, San Diego, CA, 2001

Select Recent Publications Kwong M, Hedayati N, Freischlag JA. Cervical Rib Resection. Cervical Spine Surgery: Standard and Advanced Techniques. Cervical Spine Research Society-Europe Instructional Surgical Atlas, Springer, Cham. 2019;58:381-387.



Nasim Hedayati, M.D., M.A.S., M.S.

Simon M, Hedayati N, Pevac WC. Hybrid approach to aneurysms of the pancreaticoduodenal artery associated with the occlusion of the celiac axis. *Ann Vasc Surg.* 2017 Oct;44:414.e11-414.e14. doi:10.1016/j.avsg.2017.04.012. Epub 2017 May 4.

Kwong M, Allen AE, Carson JG, Freischlag JA, Hedayati N. Young female vascular surgeons more likely to enter academia. *J Vasc Surg.* 2017 Aug;66(2):649-660. doi:10.1016/j.jvs.2017.02.055. Epub 2017 Jun 2.

Smeds MR, Duncan AA, Harlander-Locke MP, Lawrence PF, Lyden S, Fatima J, Eskandari MK, Vascular Low-Frequency Disease Consortium. Treatment and outcomes of aortic endograft infection. *J Vasc Surg.* 2016;63(2):332-40. doi:10.1016/j.jvs.2015.08.113.

Humphries MD, A Brunson A, N Hedayati, P Romano, J Melnikow. Amputation Risk in Patients With Diabetes Mellitus and Peripheral Artery Disease Using Statewide Data. *Ann Vasc Surg.* 2016 Jan;30:123-31. doi:10.1016/j.avsg.2015.04.089. Epub 2015 Jul 11.

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Hedayati N, Brunson A, Li CS, Baker AC, Pevac 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. doi:10.1177/1538574415608269. Epub 2015 Oct 13.

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



Nasim Hedayati, M.D., M.A.S., M.S.

Extremity Bypass Surgery and Peripheral Endovascular Interventions in the Treatment of Symptomatic Peripheral Arterial Disease. *Circulation*. 2015 Nov 24;132(21):1999-2011. doi:10.1161/CIRCULATIONAHA.114.013440. 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. doi:10.1177/1358863X15594683. Epub 2015 Jul 23.

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. doi:10.1016/j.ahj.2015.04.026. Epub 2015 May 2.

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Misty D. Humphries, M.D., M.A.S.

Philosophy of Care

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

I also welcome 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 clinical interest is in endovascular treatment of complex peripheral artery disease, telemedicine, and thoracic outlet syndrome.

Her NIH-funded research focuses on prevention of lower-extremity amputations for patients in rural clinics with peripheral artery disease, and the use of telemedicine to bring multidisciplinary wound care to rural communities.

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 Associate Professor, Department of Surgery

Specialty Vascular Surgery

Department [Surgery](#)

Division Vascular Surgery

Clinic Vascular Surgery Clinic

Center/Program Affiliation [Cardiovascular Services](#)

[Vascular Center](#)

[UC Davis Medical Group](#)

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Misty D. Humphries, M.D., M.A.S.

Education	M.D., Texas A&M University, College Station TX 2003 M.A.S., Clinical Research Studies, UC Davis, Sacramento CA 2014 B.S., Texas A&M University, Corpus Christi TX 1999
Internships	General Surgery, UC Davis School of Medicine, Sacramento CA 2003-2004
Residency	General Surgery, UC Davis School of Medicine, 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 American Board of Surgery - Vascular Surgery Medical Board of California Registered Physician in Vascular Interpretation
Professional Memberships	American College of Surgeons Association of Program Directors in Vascular Surgery Northern California Vascular Society Pacific Coast Surgical Society Sacramento Surgical Society Society for Vascular Surgery Vascular and Endovascular Surgical Society Western Vascular Society
Honors and Awards	Mentor, Vascular and Endovascular Surgical Society (VESS) Mentorship Development Program, 2019 Advanced Leadership Program UC Davis Medical Center, 2018, 2019 Research Career Development Travel Award, Society for Vascular Surgery Foundation, 2017 NIH-National Research Mentoring Network (NRMN) Proposal Preparation Program at UC Davis, 2016, 2017 Mentor, Western Vascular Society Resident Research Award, 2016 Winner, Pacific Northwest Endovascular Resident Skills Competition, 2010 Elected Class Vice-President, Texas A&M College of Medicine, 1999, 2000, 2001, 2002, 2003 Texas Department of Health Outstanding Rural Scholarship, 1999 Academic Honors, Texas A&M University Corpus Christi, 1999
Select Recent Publications	Lin JC, Humphries MD, Shutz WP, Aalami OO, Fischer UM, Hodgson KJ. Telemedicine Platforms and Their Use in the Coronavirus Disease-19 Era to Deliver Comprehensive Vascular Care. J Vasc



Misty D. Humphries, M.D., M.A.S.

Surg. 2020 Jul 1;S0741-5214(20):31473-7. doi:10.1016/j.jvs.2020.06.051. Online ahead of print.

Utter GH, Dhillon TS, Danielsen BH, Salcedo ES, Shouldice DJ, Humphries MD, White RH. Use of statewide administrative data to assess clinical outcomes: A retrospective cohort study of therapeutic anticoagulation for isolated calf vein thrombosis- Medical Care. Med Care. 2020 Jul;58(7):658-662. doi:10.1097/MLR.0000000000001347.

Lin J, Jeon SY, Romano PS, Humphries MD. Rates and Timing of Subsequent Amputation After Primary Minor Amputation. J Vasc Surg. 2020 Jul;72(1):268-275. doi:10.1016/j.jvs.2019.10.063. Epub 2020 Jan 21.

Lin J, Brunson A, Romano P, Mell M, Humphries MD. Endovascular First Treatment is Associated with Improved Amputation Free Survival in Patients with Critical Limb Ischemia. Circ Cardiovascular Qual Outcomes. 2019 Aug;12(8):e005273. doi:10.1161/CIRCOUTCOMES.118.005273. Epub 2019 Jul 30.

Dayama A, Tsilimparis N, Kolakowski S, Matolo NM, Humphries MD. Clinical outcomes of bypass-first versus endovascular-first strategy in patients with chronic limb threatening ischemia due to infrageniculate arterial disease. J Vasc Surg. 2019 Jan;69(1):156-163.e1. doi:10.1016/j.jvs.2018.05.244.

Rodriguez MC, Realyvasquez A, Galante J, Pevac W, Misty Humphries M. Differences in Aortic Diameter Measurements with Intravascular Ultrasound and Computed Tomography after Blunt Traumatic Aortic Injury. Ann Vasc Surg. 2018 Jul;50:148-153. doi:10.1016/j.avsg.2017.11.056. Epub 2018 Feb 23.

Loja M, Abbot C, Isaccs R, Brawley J, Humphries MD. Stage Definitive Repair after Carotid Blowout: A Case Report. Ann Vasc Surg. 2017 Nov;45:263.e5-263.e9. doi:10.1016/j.avsg.2017.06.031. Epub 2017 Jun 27.



Misty D. Humphries, M.D., M.A.S.

Humphries MD. Creating a Registry for Patients with Thoracic Outlet Syndrome. *Diagnostics (Basel)*. 2017 Jun 17;7(2):36. doi:10.3390/diagnostics7020036.

Russo RM, Girda E, Kennedy, Humphries MD. Two lives, one REBOA: Hemorrhage control for urgent cesarean hysterectomy in a Jehovah's Witness with placenta percreta. *J Trauma Acute Care Surg*. 2017 Sep;83(3):551-553. doi:10.1097/TA.0000000000001602.

Grova MM, Yang AD, Humphries MD, Galante JM, Salcedo ES. Dedicated Research Time During Surgery Residency Leads to a Significant Decline in Self Assessed Clinical Aptitude and Surgical Skills. *J Sur Edu*. 2017 Nov-Dec;74(6):980-985. doi:10.1016/j.jsurg.2017.05.009. Epub 2017 May 19.

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Kevin James Keenan, M.D.

Philosophy of Care

I am grateful for and humbled by the opportunities I have to make a positive difference in the lives of others as a neurologist. I believe that kindness, empathy, and respect are the foundations of patient-centered care. I strive to combine these qualities with cutting-edge clinical knowledge so that we can work together to create a thoughtful and individualized care plan.

Clinical Interests

Dr. Keenan is a fellowship-trained vascular neurologist offering specialty care to adults with stroke and cerebrovascular disease.

Research/Academic Interests

Dr. Keenan's research focuses on developing and testing tools used during neurological emergencies to identify which patients are having a severe type of stroke called large vessel occlusion stroke. Treatment of this disease is time sensitive and earlier identification could enable more patients to receive emergency treatments that can greatly improve their chances of recovery.

Title Assistant Clinical Professor

Specialty Vascular Neurology

Department [Neurology](#)

Center/Program Affiliation [Vascular Center](#)

Address/Phone UC Davis Midtown Ambulatory Care Center, Midtown Neurology Clinic, 3160 Folsom Blvd Suite 2100 Sacramento, CA 95816

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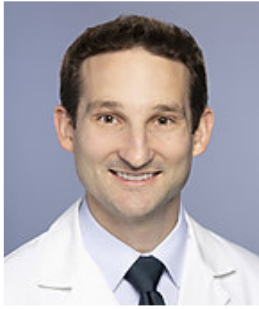
Education M.D., UC San Francisco School of Medicine, San Francisco CA 2013
B.A., UCLA, Los Angeles CA 2008

Internships Medicine, UC San Francisco, Department of Medicine, San Francisco CA 2013-2014

Residency Neurology, UC San Francisco, Department of Neurology, San Francisco CA 2014-2017

Fellowships Vascular Neurology, UC San Francisco, Department of Neurology, San Francisco CA 2017-2018
NIH StrokeNet Fellowship, UC San Francisco, Department of Neurology, San Francisco CA 2018-2019

Board Certifications American Board of Psychiatry and Neurology, Neurology
American Board of Psychiatry and Neurology, Vascular Neurology



Kevin James Keenan, M.D.

Professional Memberships

American Academy of Neurology
American Heart Association

Honors and Awards

American Academy of Neurology Clinician Scientist Development Award in Interventional Neurology funded by the Society of Vascular and Interventional Neurology and American Brain Foundation, 2019
Medical Consultant of the Year, UCSF-SFGH Emergency Medicine Residency, 2016
UCSF Alpha Omega Alpha, 2012

Select Recent Publications

Pereira T, Gadhomi K, Ma M, Xiuyun L, Xiao R, Colorado RA, Keenan KJ, Meisel K, Hu X. A Supervised Approach to Robust Photoplethysmography Quality Assessment. IEEE Journal of Biomedical and Health Informatics. 2019:1-1.

Keenan KJ, Christensen S, Inoue M, Mlynash M, Albers GW, Smith WS. Validation and iteration of CT perfusion defined malignant profile thresholds for acute ischemic stroke: International Journal of Stroke. February 2019.

Keenan KJ, Smith WS. The Speech Arm Vision Eyes (SAVE) scale predicts large vessel occlusion stroke as well as more complicated scales. Journal of neurointerventional surgery. December 2018.

Keenan KJ, Kircher C, McMullan JT. Prehospital Prediction of Large Vessel Occlusion in Suspected Stroke Patients. Current atherosclerosis reports. 2018;20(7):x.

Sampognaro P, Vo KT, Richie M, Blanc PD, Keenan K. Bismuth Subgallate Toxicity in the Age of Online Supplement Use. The neurologist. 2017;22(6):237-240.

Smith SNC, Govindarajan P, Padrick MM, Lippman JM, McMurry TL, Resler BL, Keenan K, Gunnell BS, Mehndiratta P, Chee CY, Cahill EA, Dietiker C, Cattell-Gordon DC, Smith WS, Perina DG, Solenski BB, Worrall AM as the iTreat Investigators. A low-cost, tablet-based option for prehospital neurologic assessment: The iTREAT Study. Neurology. 2016;87(1):19-26.



Kevin James Keenan, M.D.

Keenan K, Hetts SW. Pial non-galenic arteriovenous fistulas. J Pediatr Neuroradiol. 2013;02(03):189-202.

Hetts SW, Keenan K, Fullerton HJ, et al. Pediatric Intracranial Nongalenic Pial Arteriovenous Fistulas: Clinical Features, Angioarchitecture, and Outcomes. American Journal of Neuroradiology. 2012;33(9):1710-1719.

For an up-to-date list of publications, [click here](#).

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Bob Kiaii, B.Sc., M.D., F.R.C.S.C., F.A.C.S.

Philosophy of Care

Innovations in minimally invasive and robotic surgery allow us to treat patients who are considered high risk for traditional surgery, in a less invasive way. These are wonderful advancements, and in my practice I marry them with a commitment to strong communication, listening, empathy and compassion for my patients.

Clinical Interests

Dr. Kiaii (pronounced KEY-eye) is an internationally acclaimed clinician and researcher in minimally invasive cardiac surgery, known for several surgical firsts and for advancing minimally invasive techniques.

He has performed a number of pioneering procedures, including:

- The first North American simultaneous integrated coronary artery revascularization procedure.
- The world's first aortic valve bypass using the Correx apical conduit.
- The world's first repair of a perforation of the right atrium using the da Vinci® robotic system, and
- The world's first robotic-assisted left atrial appendage ligation for atrial fibrillation.

Research/Academic Interests

Dr. Kiaii's primary interests are minimally invasive cardiac surgical procedures, including surgical treatment of atrial fibrillation; mitral and aortic valve procedures; coronary artery revascularization; and heart transplantation.

He has served on numerous scientific advisory boards, and is a regular reviewer of grant submissions and journal articles as an expert in the field of minimally invasive surgery. His bibliography includes two book chapters, more than 80 peer-reviewed papers, 70 published abstracts and more than 160 guest lectures.

Dr. Kiaii previously served as chair of cardiac surgery at the Schulich School of Medicine at the University of Western Ontario, and as chief of cardiac surgery at the London Health Sciences Centre and director of its minimally invasive robotic cardiac surgery program. He was one of the founding members of Canadian Surgical Technologies and Advanced Robotics (CSTAR) of the Lawson Health Research Institute.

Title Chief, Cardiothoracic Surgery

Professor, Department of Surgery

Specialty Cardiothoracic Surgery, Robotic Surgery, Minimally Invasive Surgery, [Surgery - Cardiothoracic](#), Surgery - Robotic, Heart Transplantation

Department [Surgery](#)



Bob Kiaii, B.Sc., M.D., F.R.C.S.C., F.A.C.S.

Division	Cardiothoracic Surgery
Clinic	UC Davis Heart Center
Center/Program Affiliation	Vascular Center Transplant Center
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Additional Phone	Physician Referrals: 800-4-UCDAVIS (800-482-3284)
Education	M.D., Western University - Medicine and Dentistry, Ontario Canada 1992 B.S., University of British Columbia, Vancouver BC, Canada 1988
Board Certifications	Royal College of Physicians and Surgeons, Canada - Cardiac Surgery Royal College of Physicians and Surgeons, Canada - General Surgery
Professional Memberships	American Association of Thoracic Surgery American College of Surgeons Canadian Society for Clinical Investigation Minimally Invasive Robotic Association Robotic Revascularization Society - Board of Directors Society of Thoracic Surgeons
Honors and Awards	Surgery Clerkship Teaching Award, Level: Undergraduate, In recognition of being voted the most outstanding faculty teacher in the Division of Cardiac Surgery by the clinical clerks, Scope: Faculty, Western University, Schulich School of Medicine & Dentistry, Department of Surgery, Division of Cardiac Surgery, London, Ontario, Canada, 2017 International Society of Computer Aided Surgery (ISCAS) Best Poster Award, A.L. Trejos, I. Ross, S. Fox, R.V. Patel and B. Kiaii, Preoperative evaluation of CT scans for robot-assisted minimally invasive coronary bypass surgery, International Journal of CARS, vol. 3, supp 1, pp. S244-S245, 2008. 22nd International Congress and Exhibition on Computer Assisted Radiology and Surgery (CARS08), June 25-28, 2008. Type: Research award, Senior Author, International, Barcelona, Spain, 2008 Department of Surgery Clinician Scientist Award, University of Western Ontario, Local, London, Ontario, Canada 2008-2010 Department of Surgery Clinician Scientist Award, University of Western Ontario, Local, Ontario, Canada 2005-2008



Bob Kiaii, B.Sc., M.D., F.R.C.S.C., F.A.C.S.

Select Recent Publications

Niv Ad, Jessica GY Luc, Tom C Nguyen, Rakesh C Arora, Husam H Balkhy, Edward M Bender, Daniel M Bethencourt, Gianluigi Bisleri, Douglas Boyd, Michael WA Chu, I Kim, Abe DeAnda Jr, Daniel T Engelman, Emily A Farkas, Lynn M Fedoruk, Michael Fiocco, Jessica Forcillo, Guy Fradet, Stephen E Fremes, James S Gammie, Arnar Geirsson, Marc W Gerdisch, Leonard N Girardi, Clayton A Kaiser, Tsuyoshi Kaneko, William DT Kent, Kamal R Khabbaz, Ali Khoynezhad, Bob Kiaii, Richard Lee, Jean-Francois Legare, Eric J Lehr, Roderick GG MacArthur, Patrick M McCarthy, John R Mehall, Walter H Merrill, Marc R Moon, Maral Ouzounian, Matthias Peltz, Louis P Perrault, Ourania Preventza, Mahesh Ramchandani, Basel Ramlawi, Rawn Salenger, Michael E Sekela, Frank W Sellke, John M Stulak, Francis P Sutter, Tomasz A Timek, Glenn Whitman, Judson B Williams, Daniel R Wong, Bobby Yanagawa, Jian Ye, Sanford M Zeigler. Cardiac surgery in North America and COVID-19: regional variability in burden and impact, The Journal of Thoracic and Cardiovascular Surgery. [published online ahead of print, 2020 Jul 2]. J Thorac Cardiovasc Surg. 2020;S0022-5223(20)31983-8.

Sabin J Bozso, Jeevan Nagendran, Michael WA Chu, Bob Kiaii, Ismail El-Hamamsy, Maral Ouzounian, Jörg Kempfert, Christoph Starck, Michael C Moon. Midterm Outcomes of the Dissected Aorta Repair Through Stent Implantation Trial. [published online ahead of print, 2020 Jul 13]. Ann Thorac Surg. 2020;S0003-4975(20)31134-6.

Rabbani M, Hafiz A, Algadheeb M, Thain A, Kiaii BB. A Case of Systolic Anterior Motion After Mitral Valve Repair Causing Hemolytic Anemia: Mechanism and Treatment. [published online ahead of print, 2020 Jul 17]. Can J Cardiol. 2020;S0828-282X(20)30601-2.

Christidis NK, Fox SA, Swinamer SA, Bagur R, Sridhar K, Lavi S, Iglesias I, Bainbridge D, Jones PM, Harle CC, Chu MWA, Teefy P, Kiaii BB. Reason and Timing for Conversion to Sternotomy in Robotic-Assisted Coronary Artery Bypass Grafting and Patient Outcomes. Innovations (Phila). [Epub ahead of print], 2018 Dec 5, Senior Responsible Author.

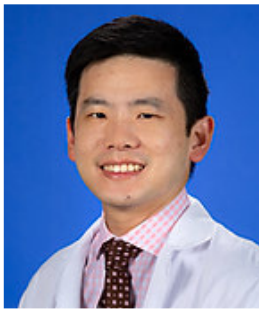
Hong M, Jones PM, Martin J, Kiaii B, Arellano R, Cheng D, John-Baptiste AA. Clinical impact of disinvestment in hydroxyethyl starch for patients undergoing coronary artery bypass surgery: a retrospective observational study. Can J Anaesth [Epub ahead of print], 2018 Nov 8, Coauthor.



Bob Kiaii, B.Sc., M.D., F.R.C.S.C., F.A.C.S.

Bozso SJ, Nagendran J, MacArthur RGG, Chu MWA, Kiaii B, El-Hamamsy I, Cartier R, Shahriari A, Moon MC. Dissected Aorta Repair Through Stent Implantation trial: Canadian results. J Thorac Cardiovasc Surg [Epub ahead of print], 2018 Oct 26, Coauthor.

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Eric Chonhun King, M.D.

Philosophy of Care

I grew up in Apple's home town of Cupertino and saw how technology can change lives. As a physician, I want to use proven technology to help my patients spend less time in the hospital and more time with loved ones. My role is to explain your options, customize your treatment, and guide you through your medical journey from our first consultation in clinic to each follow up appointment.

Clinical Interests

Dr. King is a vascular & interventional radiologist specializing in truly minimally invasive procedures using a pinhole through the skin. Large surgical incisions are avoided by using high-tech imaging to guide thin instruments beneath the skin. The benefits include less recovery time, fewer complications, and a faster return home.

His clinical interests are in improving wound healing in patients with peripheral arterial disease; improving limb swelling in patients with deep venous disease; and improving chronic pelvic pain in patients with uterine fibroids. He is also passionate about relieving shortness of breath in patients hospitalized with pulmonary embolism.

Research/Academic Interests

Dr. King's academic interests are in improving patient outcomes by working in quality improvement and patient safety. He also has a passion for medical education due to his amazing mentors during his training.

Title Health Sciences Assistant Clinical Professor

Specialty Vascular and Interventional Radiology, Diagnostic Radiology

Department [Radiology](#)

Division Vascular and Interventional Radiology

Center/Program Affiliation [UC Davis Comprehensive Cancer Center](#)

[Vascular Center](#)

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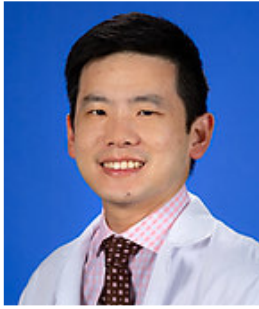
Additional Phone Clinic Phone: 916-734-3606

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

Education M.D., Medical College of Virginia, Richmond VA 2014

M.S., Georgetown University, Washington DC 2010

B.S., UC Davis, Davis CA 2007



Eric Chonhun King, M.D.

- Internships** Internal Medicine, Kaiser Permanente, Los Angeles CA 2014-2015
- Residency** Diagnostic Radiology, Kaiser Permanente, Los Angeles CA 2015-2019
- Fellowships** Vascular & Interventional Radiology, Rush University, Chicago IL 2019-2020

Professional Memberships American College of Radiology (ACR)
Society of Interventional Radiology

Select Recent Publications Madassery S, King E. "Vertebral Compression Fractures: Evaluation and Management" in Seminars in Interventional Radiology. Thieme. June 2020.

King EC, Madassery S. Midterm outcomes of endovascular repair for Stanford Type B aortic dissection with aberrant right subclavian artery. JVIR Access. 2019 Oct. Found at: <https://www.jviraccess.org/2019/10/midterm-outcomes-of-endovascular-repair.html>

King E, Kim E, Lam C. "Abdominal aortic aneurysms" in Learning Interventional Radiology. Elsevier. 2019 June.

King E. Sample adequacy and safety outcomes of small-bore needles for ultrasound-guided percutaneous biopsy of the native kidney. Journal of Vascular and Interventional Radiology. 2019; 30(3):S237. doi:10.1016/j.jvir.2018.12.630.

Molloy C, King E, Tejirian T, Hardley T. Ultrasound-Guided Botulinum Toxin A Injections into Abdominal Muscle Planes before Large Ventral Hernia Repair. Journal of Vascular and Interventional Radiology. 2017;28:E10. doi: 10.1016/j.jvir.2016.11.045.

King EC, Van Rompaey J, Lam C. Review of Embolization Coil Technology & Efficacy. Journal of Vascular and Interventional Radiology. 2017;28:E7. doi:10.1016/j.jvir.2016.11.045.



Eric Chonhun King, M.D.

Adkins A, Shaul D, Cheng M, Ngo M, King E. Rectal Duplication Cyst – A Novel Operative Approach. Pacific Association of Pediatric Surgeons Annual Meeting, Kauai, HI. 2016 April.

King E, Chadwick N, Lee A, Keefe N, Nayyar R, Vatakencherry G. Benefits of an informal curriculum: Recruiting medical students into interventional radiology. *Journal of the American College of Radiology*. 2015;12(9):965-967. doi:10.1016/j.jacr.2014.07.027.

Chadwick NS, King E, Campos L, Bhatt A, Vatakencherry G. FEATURED POSTER Time for an intervention? The current state of medical student interventional radiology education. *Journal of Vascular and Interventional Radiology*. 2013;24(4):S180-181. doi:10.1016/j.jvir.2013.01.458.

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Mimmie Kwong, M.D.

Philosophy of Care

I am dedicated to delivering comprehensive vascular care that is high-quality, patient-centered, and evidence-driven. I believe in doing what is best for my patients. Therefore, I endeavor to offer them access to the most advanced and effective techniques and technologies for treatment of their various conditions. I value the patient-physician partnership. Thus, it is my mission to engage my patients in the decision-making process, to understand their preferences, and to personalize my plan to each patient's unique circumstance, offering them solutions that integrate the best medical and surgical interventions to help them reach their health goals.

Clinical Interests

Dr. Kwong offers comprehensive vascular care for the breadth of arterial and venous conditions, including the use of both endovascular (minimally invasive) and open surgical techniques to treat pathologies involving the aorta, carotid arteries, renal and mesenteric vessels, peripheral arteries, and veins. She has special clinical interests in the treatment of peripheral arterial disease and venous insufficiency with the goal of restoring function and improving patient quality of life.

Research/Academic Interests

Dr. Kwong's primary research focus is on the study of peripheral arterial disease treatments and outcomes. She is passionate about investigating the intersection of technology and medicine and hopes to develop personalized, patient-specific interventions for the identification, prevention, and treatment of arterial disease. She is also interested in building cross-disciplinary collaborations to establish novel therapies to address vascular pathologies and improving patient quality of life.

Title Assistant Professor

Specialty Vascular Surgery

Department [Surgery](#)

Division Vascular Surgery

Center/Program Affiliation [Vascular Center](#)

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Education M.D., Johns Hopkins University School of Medicine, Baltimore MD 2014
B.A., Harvard University, Cambridge MA 2010



Mimmie Kwong, M.D.

- Internships** Surgery, UC Davis, Sacramento CA 2014-2015
- Residency** Vascular Surgery, UC Davis, Sacramento CA 2015-2019
- Board Certifications** Registered Physician in Vascular Interpretation
- Professional Memberships** Society of Vascular Surgeons
- Honors and Awards** Society for Vascular Surgery, Travel Scholarship Recipient, 2013
Harvard University, Magna Cum Laude with Highest Honors, 2010
Harvard College, Science and Engineering Research Fellow, 2009
Harvard College, Research Program Grant Recipient 2008, 2009
Harvard College, John Harvard Scholar, 2008
- Select Recent Publications** Kwong M, Carson JG, Abularrage CJ, Freischlag JA. "Prosthetic Graft Infection." In: Moore WS, ed. Vascular and Endovascular Surgery. Philadelphia: Elsevier; 2019;Chapter 59.
- Kwong M, Hedayati N, Freischlag JA. "Cervical Rib Resection." In: Koller H and Robinson Y, eds. Cervical Spine Surgery: Standard and Advanced Techniques. Springer International Publishing; 2019;Chapter 57.
- Wesson HKH, Kwong M. Trauma care in India: A review of the literature. Surgery. 2017;162(6S): S85–S106.
- Kwong M, Carson JG, Freischlag JA, Hedayati N. Young female vascular surgeons more likely to enter academia. J Vasc Surg. 2017;66(2):649–660.
- Kwong M, Garonzik-Wang J, Pawlik TM. Indeterminant left-sided retroperitoneal mass. JAMA Surg. 2014;149(9):991–992.
- Kim J, Kwong M, Griffin J, Scwartz D. Rare Cause of Recurrent Small-Bowel Obstruction. JAMA Surg. 2014;14(6):617–618.



Mimmie Kwong, M.D.

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Richard E. Latchaw, M.D.

Clinical Interests Richard E. Latchaw, M.D., Professor of Radiology at UC Davis Medical Center since 2002, has been a practitioner of Diagnostic and Interventional Neuroradiology for the past 40 years. Dr. Latchaw has been a leader in the development of Diagnostic Neuroradiology throughout his career. His particular interests have been in the diagnosis and therapy of vascular abnormalities of the head, neck, and spine. He has edited three textbooks and written over 400 papers, chapters and editorials. Dr. Latchaw has presented over 500 papers nationally and internationally. He has performed all forms of image-guided procedures in the head, neck, and spine, including intracranial and extracranial angioplasty and stenting; ablation of aneurysms, vascular malformations, and fistulae; and recanalization of acutely occluded vessels. He is internationally known for his work in the diagnosis and treatment of acute ischemic stroke, including evaluation of cerebral perfusion.

Research/Academic Interests Dr. Latchaw's current research interests are the development of thrombectomy devices and catheter-based systems to treat brain tumors and the traumatized brain.

Title Professor

Chief, Division of Neuroradiology

Specialty Radiology - Neuroradiology, [Radiology](#), Neuroradiology

Department [Radiology](#)

Division Neuroradiology

Center/Program Affiliation [Vascular Center](#)

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Education M.D., University of Minnesota Medical School, Minneapolis MN 1968

B.S., University of Minnesota, Minneapolis MN 1966

Internships Surgery, Yale-New Haven Hospital, New Haven CT 1969



Richard E. Latchaw, M.D.

Residency	Diagnostic Radiology, University of Michigan, Ann Arbor MI 1969-1971
Fellowships	Neuroradiology, University of Michigan, Ann Arbor MI 1971-1973
Board Certifications	American Board of Radiology, Diagnostic Radiology American Board of Radiology, Neuroradiology, 2007
Professional Memberships	American College of Radiology, Fellow American Heart and Stroke Associations American Society of Interventional & Therapeutic Neuroradiology (ASITN) American Society of Neuroradiology American Society of Pediatric Neuroradiology Cardiovascular Council, American Heart Association Fred Jenner Hodges Society (Alumni, University of Michigan Department of Radiology) International Society of Magnetic Resonance in Medicine National Stroke Association Radiological Society of North America Stroke Council, American Heart Association World Federation of Interventional and Therapeutic Neuroradiology
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	Imaging the Acute Stroke Patient: Where Are We in 2013? Presented at the 2013 Update in Advanced Imaging, Sponsored by UC-Davis, Sonoma, CA, October, 2013.

Acute Flaccid Paralysis. Presented at the monthly Neurology Grand Rounds, University of California at Davis, Sacramento, CA, March 28, 2013.



Richard E. Latchaw, M.D.

Controversies in the Neuro-Interventional Therapy of Acute Stroke. Stroke Therapy Webinar sponsored by the National Stroke Association, February, 2013.

State of the Art Imaging of the Acute Stroke Patient. Presented at the 2012 Update in Advanced Imaging, Sponsored by UC-Davis, Sonoma, CA, October, 2012.

Imaging of Metabolic and Toxic Abnormalities of the CNS. Presented at the 2012 Update in Advanced Imaging, Sponsored by UC-Davis, Sonoma, CA, October, 2012.

Problems and Potential Solutions in Recruitment for and Performance of Clinical Trials for Acute Stroke Therapy: Results of the BAC Survey. Presented at the biannual meeting of the Brain Attack Coalition, NIH, Washington, DC, February, 2012.

Imaging of Metabolic and Toxic Abnormalities of the CNS. Presented at the 2011 Update in Advanced Imaging, Sponsored by UC-Davis, Sonoma, CA, October, 2011.

Problems and Potential Solutions in Recruitment for and Performance of Clinical Trials for Acute Stroke Therapy: Development of a Survey. Presented at the biannual meeting of the Brain Attack Coalition, March, 2011.

Imaging of CNS Infections. Presented at the 2010 Update in Advanced Imaging, Sponsored by UC-Davis, Sonoma, CA, October, 2010.

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Steven Maximus, M.D.

Philosophy of Care

I strongly believe that my role as a physician is to provide my patients with as much clear information as possible so that they can make the best decision based on their individual goals, priorities and beliefs. As a former high school teacher, I see it as part of my duty to explain different treatment options in a way that is clear and understandable. I pride myself on my ability to explain complex disease processes and the treatment options available in a clear and easy to understand manner. I respect my patients wishes, and I understand that every patient has different needs and priorities. I will always do everything I can to ensure that my patient is getting the best possible care that is tailored to their specific needs and wishes. My job is to provide my patients with the most up to date information, and help them make their own decisions regarding their care.

Clinical Interests

Dr. Maximus has a strong interest in cutting edge technology, but is data driven. He believes in using well studied, safe effective procedures. He enjoys all aspects of vascular surgery, and board certified in general surgery. Dr. Maximus enjoys learning and utilizing new technology in order to provide the safest, most effective and data proven care. He received his medical degree from the University of California, Davis. After completion of his general surgery residency at the University of California Irvine, he completed a rigorous vascular surgery fellowship at the University of Chicago, where he was able to collaborate and learn from vascular surgeons from all over the world.

Research/Academic Interests

Dr. Maximus research interests include outcome data regarding endovascular treatment for both peripheral arterial disease and limb salvage, as well as aortic aneurysm repair. He is also extremely interested in long term outcomes of new treatments, and comparing these to standard treatments in vascular surgery. Dr. Maximus is extremely interested in long term outcomes of complex endovascular aortic aneurysm repair. As a former high school teacher, he has a strong interest in medical education, and continued in this role in medical career as the associate program director of the UC Davis Vascular Surgery Residency program. He has multiple publications in peer reviewed journals, and enjoy contributing to the growing literature in surgery and vascular surgery.

Title Assistant Professor

Specialty Vascular Surgery, [Surgery - General](#)

Department [Surgery](#)

Division Vascular Surgery

Center/Program Affiliation



Steven Maximus, M.D.

[Vascular Center](#)

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Additional Phone	Physician Referrals: 800-4-UCDAVIS (800-482-3284)
Education	M.D., UC Davis School of Medicine, Sacramento CA 2011 B.S., UCLA, Los Angeles CA 2003
Internships	General Surgery, UC Irvine Medical Center, Irvine CA 2011-2012
Residency	General Surgery, UC Irvine Medical Center, Irvine CA 2012-2017
Fellowships	Vascular Surgery, University of Chicago, Chicago IL 2017-2019
Board Certifications	American Board of Surgery - General Surgery
Professional Memberships	American College of Surgeons Society of Vascular Surgeons
Honors and Awards	Golden Scalpel Award, University of California Irvine Medical Center, Department of Surgery, 2017 General Surgery Teaching Resident of the Year
Select Recent Publications	Maximus S, Skelly C, Milner R. Velocities of Type 2 Endoleaks on Doppler Ultrasonography Predict Outcome. <i>Journal of Vascular Surgery</i> . 2020 May;71(5):1719-1725. Maximus S, Milner R. Pieces of a Puzzle. Anatomy and Parallel Grafts. <i>European Journal of Vascular and Endovascular Surgery</i> . 2019 April;43:41. Maximus S, Milner R. Not Your Typical Steal Syndrome – Traumatic Superior Mesenteric Arteriovenous Fistula Causing Acute Bowel Ischaemia. <i>European Journal of Vascular and Endovascular Surgery</i> . 2018 June;39:62.



Steven Maximus, M.D.

Maximus S, Milliken J, Khan J, Shemin R, Carey J. Implementation of Transcatheter Aortic Valve Replacement in California: Impact on Aortic Valve Surgery. *Journal of Thoracic and Cardiovascular Surgery*. 2018 April;155(4):1447-145.

Maximus S, Figueroa C, Whealon M, Pham J, Kuncir E, Barrios C. eFAST for Pneumothorax: Real-life Application in an Urban Level 1 Center by Trauma Team Members. *The American Surgeon*. 2018 February;1:84(2):220-224.

Gahagan JV, Maximus S, Phelan MJ, Demirjian A, Joe VC. Analysis of ERCP after Positive Intraoperative Cholangiogram. *The American Surgeon*. 2016 October;82(10):921-925.

Maximus S, Figueroa C, Pham J, Kuncir E, Barrios C. DUI Histories in Intoxicated Bicyclists. *Journal of Trauma and Acute Care Surgery*. *Journal of Trauma and Acute Care Surgery*. 2016 October;81(4):638-43.

Maximus S, Danielsen B, Khan J, Shemin R, Carey J, Milliken J. Defining Operative Mortality: Impact on Outcome Reporting. *Journal of Thoracic and Cardiovascular Surgery*. 2016 April;151(4):1101-10.

Maximus S, Phelan M, Joe VC. Patients with Burns vs. Patients with Complex Skin and Soft Tissue Disease: An Analysis of Outcomes in the United States. *J Burn Care Res*. 2016 Mar-Apr;37(2):e125-30.

Maximus S, Nguyen DV, Mu Y, Calhoun RF, Cooke DT. Size of Stage IIIA primary lung cancers and survival: a surveillance, epidemiology and end results database analysis. *The American Surgeon*. 2012 November;78(11):1232-7.

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Matthew W. Mell, M.D.

Philosophy of Care

I am dedicated to delivering the highest quality vascular care to my patients, which includes an outstanding patient experience. I can offer the latest proven technologies and an approach that includes personalized decision making based on your specific situation and both medical and surgical treatment options.

I am fully trained and experienced in both open surgery and minimally invasive treatments, and so I can provide an unbiased recommendation for the best option for you.

I value the doctor-patient relationship, and will provide ongoing surveillance for your vascular condition. This approach to comprehensive vascular care embodies UC Davis Health's mission of improving lives and transforming health care.

Clinical Interests

Dr. Mell specializes in complex vascular and endovascular surgery, including open and endovascular reconstruction of the abdominal and thoracic aorta, renal and mesenteric arteries, carotid and subclavian arteries, and arteries of the lower extremities. He has expertise in both surgical and endovascular approaches to vascular repair.

He is a well-regarded expert in health policy, and is nationally recognized for his work in aneurysm screening, surveillance, and improving systems of care for treating ruptured abdominal aortic aneurysms, and for investigating strategies to improve health care delivery and outcomes.

Research/Academic Interests

Dr. Mell's research focuses on health policy and population-based management of vascular conditions, especially for abdominal aortic aneurysm (AAA) screening, surveillance, treatment, and studying systems of care to prevent death following ruptured AAA.

He also has interest in the influence of health care systems on the use of new and existing technology.

Title Pearl Stamps Stewart Professor & Chief, Division of Vascular Surgery
Medical Director, Vascular Center

Specialty Vascular Surgery

Department [Surgery](#)

Division Vascular Surgery

Center/Program Affiliation [Vascular Center](#)

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Phone: 916-734-3800



Matthew W. Mell, M.D.

Additional Phone	Clinic Fax: 916-734-1020 Physician Referrals: 800-4-UCDAVIS (800-482-3284)
Education	M.D., Harvard Medical School, Boston MA 1987 M.S., Health Services Research, Stanford University School of Medicine, Stanford CA 2012 Sc.B., Brown University, Providence RI 1984
Internships	General Surgery, Stanford University Hospital, Stanford CA 1987-1988
Residency	General Surgery, Stanford University Hospital, Stanford CA 1988-1992
Fellowships	Multi-Organ Transplantation, Stanford University Hospital, Stanford CA 1992-1993 Vascular Surgery, University of Wisconsin, Madison WI 2005-2006
Board Certifications	American Board of Surgery - General Surgery Diplomat, 2015 American Board of Surgery - Vascular Surgery, 2016 CA Medical Board, License Wisconsin Medical License
Professional Memberships	American College of Surgeons American Surgical Association Midwest Vascular Surgery Society San Francisco Surgical Society Society of Clinical Vascular Surgery Society of Vascular Surgeons Vascular and Endovascular Surgical Society Western Vascular Society
Honors and Awards	Mentor, Finalist, Best New Member Research, AAST, 2017 Distinguished Fellow, Society of Vascular Surgeons, 2017 Mentor, Best Quality Poster, Stanford Department of Surgery Annual Research Day, 2017 Vascular and Endovascular Society (VESS) Travel Award, 2015 Mentor, Winner Best Student Poster Competition, Academy Health Annual Research Meeting, San Diego, CA, 2014 American College of Surgeons/Society for Vascular Surgery Scholarship for Leadership in Health Policy, 2013 Poster Award, Women's Health Initiative Annual Investigator Meeting, Seattle, WA, 2013
Select Recent Publications	Chou EL, Pettinger M, Haring B, Mell MW, Hlatky MA, Wactawski-Wende J, Allison MA, Wild RA, Shadyab AH, Wallace RB, Snetelaar LG, Eagleton MJ, Conrad MF, Liu S. Lipoprotein(a) levels and



Matthew W. Mell, M.D.

risk of abdominal aortic aneurysm in the Women's Health Initiative. *J Vasc Surg.* 2020 Aug. doi: 10.1016/j.jvs.2020.07.106.

Itoga NK, Baker LC, Mell MW. Initial Financial Impact of Office-Based Laboratories on Medicare Payments for Percutaneous Interventions for Peripheral Artery Disease. *J Vasc Surg.* 2020 Aug;72(2):686-691.e1. doi:10.1016/j.jvs.2019.09.064. Epub 2020 Jan 20.

Lavingia KS, Tran K, Dua A, Itoga N, Deslarzes-Dubuis C, Mell MW, Chandra V. Multivessel Tibial Revascularization Does Not Improve Outcomes in Patients With Critical Limb Ischemia. *J Vasc Surg.* 2020 Jun;71(6):2083-2088. doi:10.1016/j.jvs.2019.08.251. Epub 2019 Nov 2.

Tsougranis G, Eldrup-Jorgensen J, Bertges D, Schermerhorn M, Morales P, Williams S, Bloss R, Simons J, Deery SE, Scali S, Roche-Nagle G, Mureebe L, Mell MW, Malas M, Pullin B, Stone DH, Malone M, Beck AW, Wang G, Marinac-Dabic D, Sedrakyan A, Goodney PP. The Vascular Implant Surveillance and Interventional Outcomes (VISION) Coordinated Registry Network: An Effort to Advance Evidence Evaluation for Vascular Devices. *J Vasc Surg.* 2020 May 19;S0741-5214(20)31240-4. doi:10.1016/j.jvs.2020.04.507. Online ahead of print. PMID 32442604.

Yoon WJ, Mell MW. Outcome Comparison of Thoracic Endovascular Aortic Repair Performed Outside Versus Inside Proximal Landing Zone Length Recommendation. *J Vas Surg.* 2020 Apr 11; S0741-5214(20)30487-0. doi:10.1016/j.jvs.2020.03.033. Online ahead of print.

Wanken ZJ, Trooboff SW, Gladders B, Columbo JA, Ramkumar N, Austin AM, Stone DH, Mell MW, Sedrakyan A, Goodney PP. Characterization of Endovascular Abdominal Aortic Aneurysm Repair Surveillance in the Vascular Quality Initiative. *Circulation.* 2020 Mar 10;141(10):866-868. doi:10.1161/CIRCULATIONAHA.119.043625. Epub 2020 Mar 9.

Itoga NK, Ho VT, Tran K, Chandra V, Dalman RL, Harris EJ, Lee JT, Mell MW. Preprocedural Cross-Sectional Imaging Prior to Percutaneous Peripheral Arterial Disease Interventions. *Vasc*



Matthew W. Mell, M.D.

Endovascular Surg. 2020 Feb;54(2):97-101. doi:10.1177/1538574419887585. Epub 2019 Nov 20.

Mell MW. Screening for Abdominal Aortic Aneurysm - A Call to Arms? JAMA Netw Open. 2019 Dec 2;2(12):e1917168. doi:10.1001/jamanetworkopen.2019.17168.

Mell MW. The conundrum of managing small abdominal aortic aneurysms. J Vasc Surg. 2019 Nov; 70(5):1383. doi: 10.1016/j.jvs.2019.04.465.

Lin JH, Brunson A, Romano PS, Mell MW, Humphries MD. Endovascular-First Treatment Is Associated With Improved Amputation-Free Survival in Patients With Critical Limb Ischemia. Circ Cardiovasc Qual Outcomes. 2019 Aug;12(8):e005273. doi:10.1161/CIRCOUTCOMES.118.005273. Epub 2019 Jul 30.

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Rex M. Pillai, M.D.

Philosophy of Care

Patients and their physicians turn to me to assist in the care of complex medical problems using the safe, minimally-invasive and innovative technologies the field of interventional radiology is built upon. I strive to provide individualized care to each of my patients based on the latest scientific evidence, practice experience from training at some of the nations' top institutions, and above all, their specific needs.

As an image-guided specialist, my patients are offered targeted, minimally-invasive, therapeutic options for diseases that have historically been untreatable or required extensive and morbid surgical operations.

Clinical Interests

Rex Pillai, M.D., assistant clinical professor, is a minimally-invasive vascular and image-guided specialist performing diagnostic and interventional procedures for adult and pediatric patients. He has expertise in tumour-directed arterial therapy (chemo and radioembolization), tumor ablation and high-intensity focused ultrasound therapies focusing on liver, kidney, lung, soft tissue and bone cancers.

He treats female patients with symptomatic fibroids (uterine fibroid embolization) and pelvic congestion syndrome as well as male patients with varicoceles.

His specialized clinical interests also include the treatment of vascular and lymphatic malformations, acute and chronic deep venous thromboembolic disease (DVT), complex IVC filter retrievals as well as pediatric percutaneous and endovascular image-guided interventions.

Research/Academic Interests

My research interests include application of high-intensity focused ultrasound in treating pediatric solid-organ tumors, novel treatments for vascular malformations, evaluating treatment methodologies and responses of hepatic tumours to radioembolization and biomedical device development.

Title Assistant Clinical Professor, Division of Interventional Radiology

Specialty Adult and Pediatric Interventional Radiology, Diagnostic Radiology, Pediatric Radiology

Department [Radiology](#)

Division Vascular and Interventional Radiology

Center/Program Affiliation [Vascular Center](#)
[UC Davis Children's Hospital](#)

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Education M.D., Ross University School of Medicine, Iselin NJ & Portsmouth WI 2009
B.Sc., University of British Columbia, Vancouver, Canada 2004

Internships General Surgery, Mount Sinai School of Medicine, New York NY 2009-2010

Residency Diagnostic Radiology, Mount Sinai School of Medicine, New York NY 2010-2014

Fellowships Vascular & Interventional Radiology, The Cleveland Clinic, Cleveland OH 2015-2016
Pediatric Imaging and Interventional Radiology, UC Los Angeles Medical Center, Los Angeles CA 2014-2015

Board Certifications American Board of Radiology, Diagnostic Radiology
American Board of Radiology, Interventional Radiology
American Board of Radiology, Pediatric Radiology

Professional Memberships American College of Radiology
Radiological Society of North America
Society of Interventional Radiology
Society of Pediatric Interventional Radiology
Western Angiographic and Interventional Society

Honors and Awards Research Award, UCLA Medical Center, 2015
Research Scholar Award, American Gastroenterology Association, 2005

Select Recent Publications Roudsari B, Said M, Vu C, Pillai R. Evaluation of Statewide Variability in the Current Role of Different Specialties in Lower Extremity Endovascular Revascularization for Medicare Beneficiaries. J Vasc Interv Radiol. 2019 Feb;30(2):250-256.

Soosman S, Roudsari B, Ghosh S, Vu C, Perez R, Pillai R. Hemodialysis Reliable Outflow (HeRO) Graft Patency and Infection Rates: A retrospective Single Institution Experience (accepted by International Symposium of Endovascular Therapy, 2018)



Rex M. Pillai, M.D.

Pillai, R, Roudsari, B Making a case for more IR residency positions: Comparing qualifications of medical students applying to IR/DR residencies to NRMP DR match data (accepted by Society of Interventional Radiology, 2018)

Pillai R, Kapoor B. Management of Complications of Portal Hypertension: Special Considerations. In: Kapoor B, Madoff C, editors. Digestive Disease Interventions, First edition. Thieme, New York, NY. 2017. In print.

Truscott L, Gell J, Chang VY, Lee H, Strom SP, Pillai R, Sisk A, Martinez-Agosto JA, Anderson M, Federman N. Novel association of familial testicular germ cell tumor and autosomal dominant polycystic kidney disease with PKD1 mutation. *Pediatr Blood Cancer*. 2017 Jan;64(1):100-102.

Pillai R, McLennan G, Martin C 3rd. The makings of an ideal interventional radiology clinical clerkship: Survey results of medical students and interventional radiology educators to improve medical student training in preparation for the IR/DR residency (accepted by Society of Interventional Radiology, 2016)

Martin C 3rd, Pillai R. Dialysis Access Anatomy and Interventions: A Primer. *Semin Intervent Radiol*. 2016 Mar;33(1):52-5.

Pillai R, Ghahremani S. Utilizing T2* MRI as an alternative to percutaneous biopsy in assessing hepatic iron concentration in pediatric patients with hemochromatosis (accepted by Society of Computed Body Tomography and Magnetic Resonance, 2015)

The Role of Imaging in the Management of Foreign Bodies. (2015 Annual Meeting, Society of Pediatric Radiology)

Assi K, Pillai R, Gómez-Muñoz A, Owen D, Salh B. The specific JNK inhibitor SP600125 targets



Rex M. Pillai, M.D.

tumour necrosis factor-alpha production and epithelial cell apoptosis in acute murine colitis.
Immunology. 2006 May;118(1):112-21.

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Victor M. Rodriguez, M.D.

Philosophy of Care

I believe in delivering quality health care with empathy and compassion. I'm a Board Certified General, Vascular and Cardiac Surgeon and I specialize in diseases of the aorta. Within Vascular and Cardiac Surgery I've had specialty training in complex aortic reconstructions of the whole aorta, including the chest and abdomen. When appropriate, I also perform endovascular operations, or minimally invasive operations of the aorta. These techniques offer patients an alternate way, or sometimes the only way, of dealing with their aortic problems. These techniques will give them a chance of survival and allow them faster recovery with less surgical trauma to their bodies.

Clinical Interests

Dr. Rodriguez is the Director of the Aortic Center here at UC Davis. He is board certified in General, Vascular and Cardiothoracic Surgery. His practice encompasses a wide variety of aortic problems. With his training, in both Vascular and Cardiothoracic Surgery, he brings a unique set of skills in dealing with aortic reconstructions from the root of the aorta to the aortic bifurcation, both open aortic as well as endovascular techniques. He also has an interest in structural heart disease, as well as heart failure surgery and heart transplantation.

Research/Academic Interests

Dr. Rodriguez's main interest is in teaching. He loves being in the operating room teaching residents and fellows. He also focuses on improving, or inventing, new surgical techniques of aortic surgery to improve outcomes in such high risk and complex operations.

Title Director of Aortic Center

Clinical Professor, Division of Cardiac and Vascular Surgery

Specialty

Vascular Surgery, Cardiothoracic Surgery, Endovascular Surgery, Heart Failure Surgery, Heart Transplantation

Department

[Surgery](#)

Division

Cardiothoracic Surgery

Vascular Surgery

Center/Program Affiliation

[Vascular Center](#)

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Languages

Spanish



Victor M. Rodriguez, M.D.

Education M.D., UC Davis School of Medicine, Davis CA 1996
B.S., CA State University-Dominguez Hills, Carson CA 1992

Internships Surgery, UC Davis Medical Center, Sacramento CA 1996-1997

Residency Surgery, UC Davis Medical Center, Sacramento CA 1997-2002

Fellowships Cardiothoracic Surgery, Baylor University/Texas Heart, Houston TX 2011-2014
Vascular Surgery, University of Wisconsin, Madison WI 2002-2003

Board Certifications American Board of Surgery - General Surgery
American Board of Surgery - Vascular Surgery
American Board of Thoracic Surgery - Cardiothoracic Surgery

Select Recent Publications Guenther T, Rinderknecht T, Phan H, Wozniak C, Rodriguez V. Pericardial rupture leading to cardiac herniation after blunt trauma. *Trauma Case Rep.* 2020 May 11;27:100309. doi:10.1016/j.tcr.2020.100309. eCollection 2020 Jun. PMID:32420444.

Amend G, Palvolgyi R, Rodriguez VM, Bold RJ, Evans CP. A Case Series of Preoperative Endovascular Stenting in Patients Undergoing Postchemotherapy Resection of Complex Oncologic Masses. *Eur Urol Oncol.* 2020 Feb;3(1):1-6. doi:10.1016/j.euo.2019.11.004. Epub 2019 Dec 28. PMID:31892469.

Guenther T, Rodriguez VM. Homograft Aortic Root Replacement with modified Cabrol Extension Using Cryopreserved artery for bioprosthetic Aortic Valve Endocarditis. *JTVS.* 2020 Aug 11 (not published yet).

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Jason H. Rogers, M.D.

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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Jason H. Rogers, M.D.

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



Jason H. Rogers, M.D.

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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Amol M. Shah, M.D.

Philosophy of Care

Interventional radiology is at the forefront of medicine, offering effective targeted minimally invasive treatments for a wide variety of complex medical conditions using cutting edge technology. As an interventional radiologist I strive to provide collaborative multidisciplinary care in concert with you and the other providers on your healthcare team to arrive at the best treatment plan for you. I pledge to provide high quality, compassionate, and just care for each and every one of my patients.

Clinical Interests

Dr. Shah performs image-guided minimally invasive diagnostic and invasive procedures for management of a wide spectrum of adult conditions. His clinical expertise includes targeted cancer therapies such as trans arterial chemoembolization and radioembolization of liver tumors and percutaneous ablation of liver, kidney, and lung tumors. He also specializes in treatment of complex hepatobiliary disease, hemodialysis access dysfunction, and genitourinary conditions including uterine fibroids and varicoceles. Dr. Shah also treats patients with symptomatic peripheral arterial disease as well as those with acute and chronic venous disease.

Research/Academic Interests

Dr. Shah's academic interests include medical education and quality improvement.

Title Assistant Clinical Professor

Specialty Vascular and Interventional Radiology, Diagnostic Radiology

Department [Radiology](#)

Division Vascular and Interventional Radiology

Center/Program Affiliation [UC Davis Children's Hospital](#)
[Vascular Center](#)

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Education M.D., UC San Diego School of Medicine, La Jolla CA 2014
M.A.S., UC San Diego, La Jolla CA 2013
B.S., UC San Diego, La Jolla CA 2008

Internships Transitional Year, Harbor-UCLA Medical Center, Torrance CA 2014-2015



Amol M. Shah, M.D.

- Residency** Diagnostic Radiology, Hospital of the University of Pennsylvania, Philadelphia PA 2015-2019
- Fellowships** Vascular and Interventional Radiology, Hospital of the University of Pennsylvania, Philadelphia PA 2019-2020
- Professional Memberships** Radiological Society of North America (RSNA)
Society of Interventional Radiology
- Select Recent Publications** Shah A, Tang A, Santillan CS, Sirlin CB. Cirrhotic liver: What's that Nodule? -- the LI-RADS approach. *Journal of Magnetic Resonance Imaging*. 2016 Feb;43(2):281-94.

Zand KA, Shah A, Heba E, Wolfson T, Hamilton G, Lam J, Chen J, Hooker JC, Gamst AC, Middleton MS, Schwimmer JB, Sirlin CB. Accuracy of multiecho magnitude-based MRI (M-MRI) for estimation of hepatic proton density fat fraction (PDFF) in children. *Journal Magnetic Resonance Imaging*. 2015 Nov;42(5):1223-32.

Santillan CS, Tang A, Cruite I, Shah A, Sirlin CB. Understanding LI-RADS: A Primer for Practical Use. *Magnetic Resonance Imaging Clinics of North America*. 2014 Aug;22(3):337-352.

Shah A, Chana G, Lucero GR, Masliah E, Achim CL, Lecanu L, Papadopoulos V, Greeson J, Everall I. Amelioration of caspase 3,7 activity by SP01 in human primary neurons exposed to HIV. *Neurobehavioral HIV Medicine*. 2010 Jul;2010(2):33-37.

Matsuda-Abedini M, Portale AA, Shah A, Neuhaus J, McEnhill M, Mathias RS. Persistent secondary hyperparathyroidism after renal transplantation in children. *Pediatric Nephrology*. 2006 Mar;21(3):413-8.

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

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 main clinical interests include high-risk complex percutaneous coronary interventions and complex structural heart interventions. 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 disease. He is Director of the Clinical Cardiovascular Research Unit at UC Davis and has co-authored several published articles relating to his research interests.

Title

Director, Clinical Cardiovascular Research Unit
Co-Director, Fellowship in Cardiovascular Medicine
Associate Professor, Division of Cardiovascular Medicine

Specialty

[Cardiovascular Medicine](#), Interventional Cardiology

Department

[Internal Medicine](#)

Division

Cardiovascular Medicine

Center/Program Affiliation

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



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

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Additional Phone	Phone: 800-282-3284 Fax: 916-734-6474 Clinic Phone: 800-821-9910 Clinic Phone: 916-734-3761 Option 1 Clinic Fax: 916-734-0370 Physician Referrals: 800-4-UCDAVIS (800-482-3284) Physician Referrals: 916-734-5678
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 2008-2011
Residency	Internal Medicine, Stanford University Hospital, Stanford CA 2008-2011
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 American Board of Internal Medicine, Interventional Cardiology
Professional Memberships	American College of Cardiology Society of Coronary Angiography and Interventions
Honors and Awards	CRT Emerging Leader Awardee, 2020 SCAI Emerging Leader - Circle Membership, 2019 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



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

Select Recent Publications

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

Singh GD, Rogers, JH, Chen S, Smith, TWR, Fan D, Stripe B, Aman E. Adjunctive use of fluoroscopy during MitraClip implantation reduces sub-valvular manipulation, number of grasps, and need for eversion. *Catheter Cardiovasc Interv.* 2020 Oct 22. doi:10.1002/ccd.29323.

Yap J, Chen S, Stripe BR, Smith TWR, Rogers JH, and Singh GD. Transseptal access for left heart structural heart procedures in the setting of prior atrial septal defect closure. *Catheter Cardiovasc Interv.* 2020 Feb 15;95(3):414-419. doi:10.1002/ccd.28548. Epub 2019 Oct 22.

Glassy MS, Wung W, Westcott S, Smith TWR, Fan D, Rogers JH, Singh GD. Left Atrial Appendage Dimensions Are Larger And Are At Greater Risk For Residual Leak After Watchman Occlusion In Patients With Long Standing Persistent Atrial Fibrillation. *JACC Cardiovasc Interventions.* 2019; 12:1018-1026.

Singh GD, Southard JA. Hostile Territory: Navigating Complex Iliofemoral Access for a Transfemoral First Strategy in Patients Undergoing Transcatheter Aortic Valve Replacement. *Structural Heart J.* 2018 Dec 13;3(1):41-43. Published Online 2019 Jan 7. doi:10.1080/24748706.2018.1556829.

Chen L, Mantri N, Eng ML, Wung W, Smith TWR, Stripe BR, Fan D, Boyd WD, Low RI, Rogers FH, Singh GD. Intraprocedural direct left atrial and wedge pressure correlation during transcatheter mitral valve repair: results from a single center registry. *Catheter Cardiovasc Interv.* 2019 Jul 1;94(1):165-170. doi:10.1002/ccd.28035. Epub 2018 Dec 27.

Singh GD, Smith TW, and Rogers, JH. Targeted Transseptal Access for MitraClip Percutaneous Mitral Valve Repair. *Interv Cardiol Clin.* 2016 Jan;5(1):55-69. doi:10.1016/j.iccl.2015.08.005.



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

Epub 2015 Nov 18.

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.

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 and Rogers JH. The Use of Ultrasound Guidance for Targeted Femoral Access. *Cardiovascular Interventions Today*. 2015 Sept/Oct.

Singh GD, Armstrong EJ, Laird JR. Laser Revascularization in Critical Limb Ischemia. *Lasers in Cardiovascular Interventions*. 2015;pp 141-155. doi:10.1007/978-1-4471-5220-0_10.

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Catherine T. Vu, M.D.

Philosophy of Care

Interventional Radiology (IR) is a thriving field, delivering minimally invasive treatment over a spectrum of health care needs, from cancer therapy to acute injury management in trauma. Treatments that historically require open surgery can be performed with needles and catheters using image guidance, such as ultrasound, CT and fluoroscopy. IR is at the helm of "leading edge" medicine. Patients turn to us when they seek treatment alternatives to surgery. I place quality and patient-centered care at the forefront, providing pre-procedure consultation and post-procedure management. I work collaboratively with primary care providers, as well as all medical and surgical specialties.

Clinical Interests

Dr. Vu's specific clinical interests are:

- Intra-arterial targeted cancer therapies
- Acute and chronic venous interventions
- Dialysis management
- Women's health
- Prostate artery embolization (PAE) for benign prostatic hypertrophy (BPH).

She works with hepatologists and oncology specialists to provide multi-disciplinary care for patients with primary liver cancer (HCC) and metastatic disease to the liver, offering selective internal radiation therapy (Y-90 SIRT, also known as radioembolization) and trans-arterial chemoembolization (TACE).

She has a comprehensive venous practice, offering minimally invasive techniques in the treatment of venous diseases, including advanced IVC filter retrieval, venous re-canalization for chronic lower extremity deep venous thrombosis (DVT), May-Thurner syndrome, and complex venous access options for hemodialysis patients.

The scope of her women's health practice includes uterine fibroid embolization and pelvic congestion syndrome.

She partners with Urology, Dr. Robert Lurvey, to offer prostate artery embolization (PAE) as a non-surgical treatment option for lower urinary tract symptoms (LUTS) for patients with BPH.

Title Chief and Associate Professor, Division of Vascular and Interventional Radiology

Specialty Interventional Radiology, Radiology - Vascular, Vascular and Interventional Radiology, Radiology - Interventional Radiology

Department [Radiology](#)

Division Vascular and Interventional Radiology



Catherine T. Vu, M.D.

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Email	catvu@ucdavis.edu
Education	M.D., George Washington University School of Medicine, Washington D.C. 2006 B.S., University of San Francisco, San Francisco CA 1994
Internships	Preliminary Medicine, Georgetown/Washington Hospital Center, Washington D.C. 2006-2007
Residency	Diagnostic Radiology, University of Colorado, Denver CO 2007-2011
Fellowships	Interventional Radiology, University of Colorado, Denver CO 2011-2012
Board Certifications	American Board of Radiology, Diagnostic Radiology American Board of Radiology, Vascular and Interventional Radiology
Professional Memberships	American College of Radiology Society of Interventional Radiology Western Angiographic & Interventional Society
Honors and Awards	M.D., Distinctive Graduate (top 15%), The George Washington University School, 2006
Select Recent Publications	Roudsari B, Said M, Vu CT, Pillai R. Evaluation of the Statewide Variability in the Current Role of Different Specialties in Lower Extremity Endovascular Revascularization for Medicare Beneficiaries. JVIR. 2019 Feb;30(2):250-256.

Chen L, DeMattos A, Bang H, Vu CT, Gandhi M, Alnimri M, Gally B, Fananapazir G. Angioplasty versus stent in TRAS. Clinical Transplantation. Epub 2018 Feb 2. DOI:10.1111/ctr.13217

Fananapazir G, Bashir MR, Corwin MT, Lamba R, Vu CT, Troppmann C. Comparison of ferumoxytol-enhanced MRA with conventional angiography for assessment of severity of transplant



Catherine T. Vu, M.D.

renal artery stenosis. *J Magn Reson Imaging*. 2017 Mar;45(3):779-785.

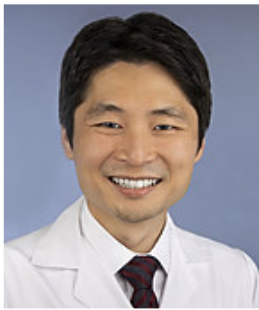
Tsai T, Vu C, Henson D. Cutaneous, Ocular and Visceral Melanoma in African Americans and Caucasians. *Melanoma Research*. June 2005;15(3):213-217.

Hester E, Heilig L, Drake A, Johnson K, Vu C, Schilling L and Dellavalle R. Internet Citations in Oncology Journals: A Vanishing Resource? *J Natl Cancer Inst*. June 2004;96 (12):969-971.

Fananapazir G, Troppmann C, Corwin MT, Bent CK, Vu CT, Lamba R. Incidence of Contrast-Induced Nephropathy After Renal Graft Catheter Arteriography Using Iodine-Based Contrast Medium. *AJR Am J Roentgenol*. 2016 Apr;206(4):783-6.

Bent C, Fananapazir G, Tse G, Corwin MT, Vu C, Santhanakrishnan C, Perez RV, Troppmann C. Graft arterial stenosis in kidney en bloc grafts from very small pediatric donors: incidence, timing, and role of ultrasound in screening. *Am J Transplant*. 2015 Nov;15(11):2940-6.

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William J. Yoon, M.D.

Philosophy of Care

I am dedicated to providing personalized, comprehensive vascular care, with approach rooted in the most advanced and least invasive treatment options. I believe that understanding the patient experience from the patient's perspective is critical in delivering high quality care. I put a high value on open communication with my patient and their family members to achieve optimum treatment outcomes.

Clinical Interests

Dr. Yoon has a special interest in the endovascular treatment of aortic diseases, including thoracic aortic aneurysms, acute and chronic type B aortic dissection, and abdominal aortic aneurysms. In addition to traditional vascular surgery fellowship training, he received advanced specialized endovascular training for aortic disease and have extensive experience in fenestrated and branched endovascular aortic aneurysm repair. As such, his practice includes the treatment of complex aneurysm cases that employs personalized fenestrated endografts.

As an aortic surgeon trained in the most current and cutting-edge procedures, his focus is on integrating new technology and innovation into his clinical practice. He is also actively involved in clinical trials of new therapies and devices, so his patients may have access to innovative leading-edge treatments not available at other medical centers.

Research/Academic Interests

Dr. Yoon's research focuses on advancing endovascular management of thoracic and abdominal aortic disease. As reflected in his PhD thesis at the Department of Vascular Surgery, Uppsala University, Sweden, his research goal is to obtain further understanding on the aorta, especially on the aortic arch and supra-aortic branches, as well as on the current anatomic barriers to endovascular repair of thoracic and abdominal aortic disease. Ultimately, he aims to develop a thoracic endovascular aortic surgery planning software that would simplify preoperative thoracic endovascular aortic surgery planning process, with potential for shorter and more precise procedures and better long-term results, which represent a crucial frontier in advancing the treatment of thoracic aortic pathologies.

Title Assistant Professor, Department of Surgery

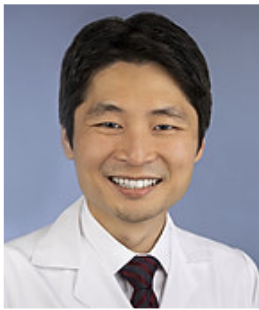
Specialty Vascular Surgery

Department [Surgery](#)

Division Vascular Surgery

Clinic Vascular Surgery Clinic

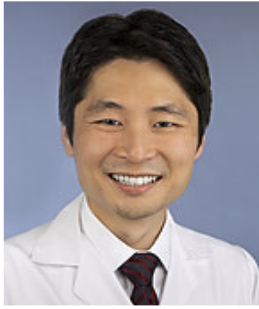
Center/Program Affiliation [Vascular Center](#)



William J. Yoon, M.D.

[Cardiovascular Services](#)

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Languages	Korean
Education	M.D., Virginia Commonwealth University School of Medicine, Richmond VA 2011 Ph.D., Advancing Endovascular Management of Thoracic Aortic Disease, Uppsala University, Uppsala, Sweden 2025 (anticipated) B.S., University of Connecticut, Storrs CT 2007
Internships	General Surgery, St. John Hospital & Medical Center, Detroit MI 2011-2012
Residency	General Surgery, St. John Hospital & Medical Center, Detroit MI 2012-2016
Fellowships	Vascular Surgery, Loyola University Medical Center, Stritch School of Medicine, Maywood IL 2016-2018 Advanced Aortic Endovascular Surgery Visiting Fellowship, Paracelsus Medical University Klinikum Nurnberg Sud, Nuremberg, Germany, 2018 Advanced Aortic Surgery Visiting Fellowship, Uppsala University Hospital, Uppsala, Sweden, 2018
Board Certifications	American Board of Surgery - General Surgery American Board of Surgery - Vascular Surgery CA Medical Board, License Registered Physician in Vascular Interpretation
Professional Memberships	American College of Surgeons California Medical Association European Society for Vascular Surgery Midwest Surgical Association Midwestern Vascular Surgical Society Sierra Sacramento Valley Medical Society (SSMS) Society for Clinical Vascular Surgery Society for Vascular Surgery Vascular and Endovascular Surgery Society



William J. Yoon, M.D.

Honors and Awards

Best Paper Award, Vascular and Endovascular Surgery Society Annual Meeting, 2018
John L. Keeley Surgical Fellowship Award, Loyola University of Chicago Medical Center, 2018
Best Chief Surgical Resident-Anthony B. Chambers Award, St. John Hospital & Medical Center, 2016
Society for Vascular Surgery Vascular Annual Meeting Travel Scholarship, 2013, 2014
Medical Student Training in Aging Research Scholarship, American Federation for Aging Research-National Institute on Aging, 2008
Graduated Magna Cum Laude in Molecular and Cell Biology, University of Connecticut, 2007
Phi Beta Kappa Honor Society, inducted, 2006
New England Scholar Award, University of Connecticut Honors Program, 2004, 2005, 2006, 2007
John R. Wooden Scholarship, 2004
University of Connecticut Leadership Scholarship, 2003, 2004, 2005, 2006, 2007

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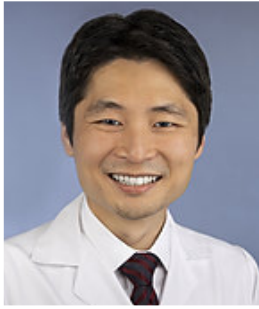
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