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

Philosophy of Care

I believe 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 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 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
Interim Chief, Division of Vascular Surgery
Interim Director, UC Davis Vascular Center and UC Davis Wound Care Center

Specialty

Vascular Surgery

Department

Surgery

Division

Vascular Surgery

Clinic

UC Davis Medical Group, Elk Grove

Center/Program Affiliation

Vascular Center
UC Davis Medical Group

Address/Phone

Lawrence J. Ellison Ambulatory Care Center, Vascular Center, 4860 Y St. Suite 2100 Sacramento, CA 95817

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

Education
M.D., Texas A&M Univeristy, College Station TX 2003
M.A.S., Clinical Research Studies, UC Davis, Sacramento CA 2014
B.S., Biology, 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
UC Davis Diamond Doctor, 2022
UC Davis Division of Vascular Surgery Exceptional Teaching Award, 2021
Mentor, Vascular and Endovascular Surgical Society (VESS) Mentorship Development Program, 2019
Advanced Leadership Program UC Davis Medical Center, 2018, 2019
NIH-National Research Mentoring Network (NRMN) Proposal Preparation Program at UC Davis, 2016, 2017

Select Recent Publications
Gaffey AC, Chou EL, Shames ML, Humphries M, Velazquez GA, Sachdev-Ost U, Robinson WP, Singh N. Vascular trainee perceptions of diversity, equity, and inclusion within United States vascular surgery training programs. J Vasc Surg. 2022 Aug;76(2):572-578.e2. doi:10.1016/j.jvs.2022.03.871. Epub 2022 Apr 2. PMID:35378246.

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Scierka LE, Mena-Hurtado C, Shishehbor MH, Spertus JA, Nagpal S, Babrowski T, Bunte MC, Politano A, Humphries M, Chung J, Kirksey L, Alabi O, Soukas P, Parikh S, Faizer R, Fitridge R, Provance J, Romain G, McMillan N, Stone N, Scott K, Fuss C, Pacheco CM, Gosch K, Harper-Brooks A, Smolderen KG; SCOPE-CLI Academic Research Consortium. The shifting care and outcomes for patients with endangered limbs - Critical limb ischemia (SCOPE-CLI) registry overview of study design and rationale. Int J Cardiol Heart Vasc. 2022 Feb 12;39:100971. doi: 10.1016/j.ijcha.2022.100971. PMID:35198727.

Aguirre A, Sharma K, Arora A, Humphries MD. Early ABI Testing May Decrease Risk of Amputation for Patients With Lower Extremity Ulcers. Ann Vasc Surg. 2022 Feb;79:65-71. doi: 10.1016/j.avsg.2021.08.015. Epub 2021 Oct 14. PMID:34656726.

DiLosa KL, Humphries MD, Mell MW. Intern Perceptions and Participation in the Operating Room. J Surg Educ. 2022 Jan-Feb;79(1):94-101. doi:10.1016/j.jsurg.2021.08.007. Epub 2021 Aug 25. PMID:34452855.

Lin JH, Humphries MD, Hasegawa J, Saroya J, Mell MW. Outcomes After Selective Fasciotomy for Revascularization of Nontraumatic Acute Lower Limb Ischemia. Vasc Endovascular Surg. 2022 Jan; 56(1):18-23. doi:10.1177/15385744211045493. Epub 2021 Sep 21. PMID:34547940.

Gifford ED, Mouawad NJ, Bowser KE, Bush RL, Chandra V, Coleman DM, Genovese E, Han DK, Humphries MD, Mills JL, Mitchell EL, Moreira CC, Nkansah R, Siracuse JJ, Stern JR, Suh D, West-Livingston L. Society for Vascular Surgery best practice recommendations for use of social media. J Vasc Surg. 2021 Dec;74(6):1783-1791.e1. doi:10.1016/j.jvs.2021.08.073. Epub 2021 Oct 19. PMID:34673169.

Cruz SM, Basmaci UN, Bateni CP, Darrow MA, Judge SJ, Monjazeb AM, Thorpe SW, Humphries MD, Canter RJ. Surgical and oncologic outcomes following arterial resection and reconstruction for advanced solid tumors. J Surg Oncol. 2021 Dec;124(8):1251-1260. doi:10.1002/jso.26665. Epub 2021 Sep 8. PMID:34495553.

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Janko M, Hubbard G, Woo K, Kashyap VS, Mitchell M, Murugesan A, Chen L, Gardner R, Baril D, Hacker RI, Szeberin Z, ElSayed R, Magee GA, Motta F, Zhou W, Lemmon G, Coleman D, Behrendt CA, Aziz F, Black JH, Tran K, Dao A, Shutze W, Garrett HE, De Caridi G, Patel R, Liapis CD, Geroulakos G, Kakisis J, Moulakakis K, Kakkos SK, Obara H, Wang G, Stoecker J, Rhéaume P, Davila V, Ravin R, DeMartino R, Milner R, Shalhub S, Jim J, Lee J, Dubuis C, Ricco JB, Coselli J, Lemaire S, Fatima J, Sanford J, Yoshida W, Schermerhorn ML, Menard M, Belkin M, Blackwood S, Conrad M, Wang L, Crofts S, Nixon T, Wu T, Chiesa R, Bose S, Turner J, Moore R, Smith J, Irshad A, Hsu J, Czerny M, Cullen J, Kahlberg A, Setacci C, Joh JH, Senneville E, Garrido P, Sarac TP, Rizzo A, Go MR, Bjorck M, Gavali H, Wanhainen A, D'Oria M, Lepidi S, Mastrorilli D, Veraldi G, Piazza M, Squizzato F, Beck A, St John R, Wishy A, Humphries M, Shah SK, Back M, Chung J, Lawrence PF, Bath J, Smeds MR. Contemporary Outcomes After Partial Resection of Infected Aortic Grafts. Ann Vasc Surg. 2021 Oct;76:202-210. doi:10.1016/j.avsg.2021.07.002. Epub 2021 Aug 23. PMID:34437963.

Humphries MD, Mikityuk A, Harris L, Simons JP, Aulivola B, Bush R, Freischlag J, Reed AB. Representation of Women in Vascular Surgery Science and Societies. J Vasc Surg. 2021 Aug;74 (2S):15S-20S. doi:10.1016/j.jvs.2021.03.056

Humphries MD, Welch P, Hasegawa J, Mell MW. Correlation of Patient Activation Measure Level with Patient Characteristics and Type of Vascular Disease. Ann Vasc Surg. 2021 May;73:55-61. doi: 10.1016/j.avsg.2020.11.019. Epub 2020 Dec 29. PMID:33385528.

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