



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 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 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

Specialty Vascular Surgery

Department [Surgery](#)

Division Vascular Surgery

Clinic Vascular Surgery Clinic

Center/Program Affiliation [Cardiovascular Services](#)

[Vascular Center](#)

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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



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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.



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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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