



Arash Fereydooni

- Vascular Surgery Resident, Dean's Office Operations - Dean Other
- Resident in Surgery - Vascular Surgery

Bio

CLINICAL FOCUS

- Vascular and Endovascular Surgery
- Residency

PROFESSIONAL EDUCATION

- MD, Yale School of Medicine , Doctor of Medicine (2020)
- MHS, Yale School of Medicine , Translational Research (2020)
- MS, Yale Graduate School of Arts and Sciences , Molecular Biology (2015)
- BS, Yale College , Molecular, Cellular and Developmental Biology (2015)

Publications

PUBLICATIONS

- **Comparison of Atherectomy to Balloon Angioplasty and Stenting for Isolated Femoropopliteal Revascularization.** *Annals of vascular surgery*
Bai, H., Fereydooni, A., Zhuo, H., Zhang, Y., Tonnessen, B., Guzman, R. J., Ochoa Chaar, C. I.
2020
- **Using the epidemiology of critical limb ischemia to estimate the number of patients amenable to endovascular therapy.** *Vascular medicine (London, England)*
Fereydooni, A., Gorecka, J., Dardik, A.
2020; 25 (1): 78–87
- **Endovascular Revascularization Incorporating Infrapopliteal Coronary Drug-Eluting Stents Improves Clinical Outcomes in Patients with Critical Limb Ischemia and Tissue Loss.** *Annals of vascular surgery*
Huntress, L. A., Fereydooni, A., Dardik, A., Nassiri, N.
2020; 63: 234–40
- **Use of neuraxial anesthesia for hybrid lower extremity revascularization is associated with reduced perioperative morbidity.** *Journal of vascular surgery*
Fereydooni, A., O'Meara, T., Popescu, W. M., Dardik, A., Ochoa Chaar, C. I.
2020; 71 (4): 1296–1304.e7
- **Utilization and Outcomes of Local Anesthesia and Peripheral Nerve Block for Hybrid Lower Extremity Revascularization.** *Journal of endovascular therapy : an official journal of the International Society of Endovascular Specialists*
Fereydooni, A., O'Meara, T., Popescu, W. M., Dardik, A., Ochoa Chaar, C. I.
2020; 27 (1): 94–101
- **Transcarotid Artery Revascularization With Flow Reversal-Reply.** *JAMA surgery*
Fereydooni, A., Gorecka, J., Dardik, A.

2020

- **Rapid increase in hybrid surgery for the treatment of peripheral artery disease in the Vascular Quality Initiative database.** *Journal of vascular surgery*
Fereydooni, A., Zhou, B., Xu, Y., Deng, Y., Dardik, A., Ochoa Chara, C. I.
2020
- **Evaluation and management of the lateral marginal vein in Klippel-Trénaunay and other PIK3CA-related overgrowth syndromes.** *Journal of vascular surgery. Venous and lymphatic disorders*
Fereydooni, A., Nassiri, N.
2020
- **Lipiodol as an Imaging Biomarker of Tumor Response After Conventional Transarterial Chemoembolization: Prospective Clinical Validation in Patients with Primary and Secondary Liver Cancer.** *Translational oncology*
Miszczuk, M. A., Chapiro, J., Geschwind, J. H., Thakur, V., Nezami, N., Laage-Gaup, F., Kulon, M., van Breugel, J. M., Fereydooni, A., Lin, M., Savic, L. J., Tegel, B., Wahlin, et al
2020; 13 (3): 100742
- **Induced pluripotent stem cell-derived smooth muscle cells increase angiogenesis and accelerate diabetic wound healing.** *Regenerative medicine*
Gorecka, J., Gao, X., Fereydooni, A., Dash, B. C., Luo, J., Lee, S. R., Taniguchi, R., Hsia, H. C., Qyang, Y., Dardik, A.
2020
- **Improving the Outcomes of Vein Grafts: A View from the Molecular Level** *Current Vascular Surgery*
Fereydooni, A., Dardik, A.
PMPH-USA.2020: 405–428
- **Technical and Ethical Challenges in the Care of an Independent Nonagenarian with Critical Limb Ischemia.** *Archives of Clinical and Medical Case Reports*
Fereydooni, A., Dahl, N., Ochoa Chara, C. I.
2020; 4 (1): 130-137
- **Altered hemodynamics during arteriovenous fistula remodeling leads to reduced fistula patency in female mice** *Journal of Vascular Surgery. Vascular Science*
Kudze, T., Ono, S., Fereydooni, A., Gonzalez, L., Isaji, T., Hu, H., Yatsula, B., Taniguchi, R., Koizumi, J., Nishibe, T., Dardik, A.
2020: 42-56
- **Mechanochemical and surgical ablation of an anomalous upper extremity marginal vein in CLOVES syndrome identifies PIK3CA as the culprit gene mutation** *Journal of vascular surgery cases and innovative techniques*
Lim, Y., Fereydooni, A., Brahmandam, A., Dardik, A., Choate, K., Nassiri, N.
2020; 6 (3): 438-442
- **Distinct subsets of T-cells and macrophages impact venous remodeling during arteriovenous fistula maturation** *Journal of Vascular Surgery. Vascular Science*
Matsubara, Y., Kiwan, G., Fereydooni, A., Langford, J., Dardik, A.
2020; 1 (1)
- **Stem Cell Delivery Techniques for Stroke and Peripheral Artery Disease** *Stem Cell Therapy for Vascular Diseases*
Lee, S., Fereydooni, A., Dardik, A.
Springer Nature.2020: 69–103
- **A national post-Match webinar panel improves knowledge and preparedness of medical students interested in vascular surgery training.** *Journal of vascular surgery*
Fereydooni, A., Ramirez, J. L., Dossabhoy, S. S., Brahmandam, A., Dardik, A., Ochoa Chara, C. I.
2019
- **Inhibition of the Akt1-mTORC1 Axis Alters Venous Remodeling to Improve Arteriovenous Fistula Patency** *SCIENTIFIC REPORTS*
Guo, X., Fereydooni, A., Isaji, T., Gorecka, J., Liu, S., Hu, H., Ono, S., Alozie, M., Lee, S., Taniguchi, R., Yatsula, B., Nassiri, N., Zhang, et al
2019; 9: 11046
- **Molecular Targets for Improving Arteriovenous Fistula Maturation and Patency.** *Vascular investigation and therapy*
Gorecka, J., Fereydooni, A., Gonzalez, L., Lee, S. R., Liu, S., Ono, S., Xu, J., Liu, J., Taniguchi, R., Matsubara, Y., Gao, X., Gao, M., Langford, et al
2019; 2 (2): 33–41

- **Uterine Fibroid Embolization.** *Leiomyoma*
Izreig, S., Fereydooni, A., Nassiri, N.
2019
- **Endovascular Aortic Aneurysm Repair in Patients with Aortoiliac Occlusive Disease.** *Vascular Access Surgery - Tips and Tricks*
Mangum, K. D., Fereydooni, A., Nassiri, N.
IntechOpen.2019
- **Reduced patency in left-sided arteriovenous grafts in a porcine model.** *Journal of vascular surgery*
Liu, S., Wang, T., Wang, J., Isaji, T., Ono, S., Fereydooni, A., Taniguchi, R., Matsubara, Y., Niklason, L. E., Dardik, A.
2019
- **Coil embolization of bilateral internal mammary artery aneurysms in the setting of a heterozygous missense variant of unknown significance in COL5A1 and fibromuscular dysplasia.** *Journal of vascular surgery cases and innovative techniques*
Chen, J. F., Papanikolaou, D., Fereydooni, A., Mojibian, H., Dardik, A., Nassiri, N.
2019; 5 (4): 410–14
- **Carotid Endarterectomy and Carotid Artery Stenting for Patients With Crescendo Transient Ischemic Attacks: A Systematic Review.** *JAMA surgery*
Fereydooni, A., Gorecka, J., Xu, J., Schindler, J., Dardik, A.
2019
- **Raising the bar for appropriateness in the care of patients with peripheral artery disease.** *Journal of vascular surgery cases and innovative techniques*
Ochoa Chara, C. I., Fereydooni, A., Lawrence, P. F., Dardik, A.
2019; 5 (3): 345–49
- **On-table modification of self-expanding covered stents for hybrid aortobifemoral revascularization.** *Journal of vascular surgery cases and innovative techniques*
Fereydooni, A., Deyholos, C., Nezami, N., Dardik, A., Nassiri, N.
2019; 5 (2): 179–82
- **Bifurcated unibody aortic endografts can overcome unfavorable aortoiliac anatomy for deployment of bilateral iliac branch endoprostheses.** *Journal of vascular surgery cases and innovative techniques*
Fereydooni, A., Deyholos, C., Botta, R., Nezami, N., Dardik, A., Nassiri, N.
2019; 5 (2): 174–78
- **National trends of hybrid lower extremity revascularization in the ACS-NSQIP database.** *Vascular*
Fereydooni, A., Zhou, B., Jorshery, S. D., Deng, Y., Dardik, A., Chara, C. I.
2019; 27 (6): 653–62
- **Regulation of axon growth by myosin II-dependent mechanocatalysis of cofilin activity.** *The Journal of cell biology*
Zhang, X. F., Ajeti, V., Tsai, N., Fereydooni, A., Burns, W., Murrell, M., De La Cruz, E. M., Forscher, P.
2019; 218 (7): 2329–49
- **Anomalous course of the left common iliac vein anterior to the right common iliac artery with resultant May-Thurner syndrome.** *Journal of vascular surgery. Venous and lymphatic disorders*
Fereydooni, A., Deyholos, C., Nezami, N., Feler, J. R., Mojibian, H., Nassiri, N.
2019; 7 (3): 450–51
- **Molecular changes associated with vascular malformations.** *Journal of vascular surgery*
Fereydooni, A., Dardik, A., Nassiri, N.
2019; 70 (1): 314–26.e1
- **The potential and limitations of induced pluripotent stem cells to achieve wound healing.** *Stem cell research & therapy*
Gorecka, J., Kostiuk, V., Fereydooni, A., Gonzalez, L., Luo, J., Dash, B., Isaji, T., Ono, S., Liu, S., Lee, S. R., Xu, J., Liu, J., Taniguchi, et al
2019; 10 (1): 87
- **Irinotecan-Eluting 75-150-µm Embolics Lobar Chemoembolization in Patients with Colorectal Cancer Liver Metastases: A Prospective Single-Center Phase I Study.** *Journal of vascular and interventional radiology : JVIR*
Fereydooni, A., Letzen, B., Ghani, M. A., Mischczuk, M. A., Huber, S., Chapiro, J., Schlachter, T., Geschwind, J. F., Georgiades, C.
2018; 29 (12): 1646–53.e5

- **Computer-assisted 3D bowel length measurement for quantitative laparoscopy.** *Surgical endoscopy*
Wagner, M., Mayer, B. F., Bodenstedt, S., Stemmer, K., Fereydooni, A., Speidel, S., Dillmann, R., Nickel, F., Fischer, L., Kenngott, H. G.
2018; 32 (9): 4052–61