



## Maryam Amirahmadi

Postdoctoral Scholar, Cardiovascular Medicine

### Bio

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#### BIO

Dr. Maryam Amirahmadi is a microsurgery expert and postdoctoral research fellow at Stanford Cardiovascular Institute. She obtained her Doctor of Medicine (MD) degree from Hamadan University of Medical Sciences. After more than a year of experience as a Family and Emergency Physician, she spent around 4 years at the Department of Cardiovascular Surgery of Shiraz University of Medical Sciences where she served as a pediatric and adult Cardiac Intensive Care physician and received training in cardiovascular surgery at Namazi and Faghihi hospitals. She then spent a year in the Department of Vascular Surgery at the University of Miami, Miller School of Medicine, serving as a postdoctoral researcher and performing microsurgery on animals, with her research focused on therapeutic strategies to improve neovascularization after limb ischemia. Dr. Amirahmadi joined Stanford Cardiovascular Institute in 2022 where she is now a postdoctoral research fellow under the supervision of Prof. Philip S. Tsao, a renowned cardiovascular scientist. Her research interests and practical expertise include Microsurgery, and the effect of e-cigarette vaping on factors of inflammatory or immune pathways that can subsequently be related to the molecular mechanisms involved in angiogenesis and arteriogenesis in the murine model of hindlimb ischemia, as well as the mechanisms of e-cigarette and nicotine's effects in augmenting Abdominal Aortic Aneurysm (AAA) in rodent models of aortic aneurysm, including porcine pancreatic elastase-induced AAA. Dr. Maryam Amirahmadi and her colleagues are currently investigating the transgenerational effects of vaping/nicotine on abdominal aortic aneurysm (AAA) risk.

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- Philip Tsao, Postdoctoral Faculty Sponsor