

Stanford



Anubodh Sunny Varshney

Clinical Assistant Professor, Medicine - Cardiovascular Medicine

CLINICAL OFFICE (PRIMARY)

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ACADEMIC CONTACT INFORMATION

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Bio

BIO

Dr. Anubodh Sunny Varshney is a Clinical Assistant Professor in the section of Advanced Heart Failure, Transplant Cardiology, and Mechanical Circulatory Support at Stanford. In addition to caring for patients with advanced heart disease, he is also an Investigator in the Cardiovascular Outcomes, Policy, & Implementation Research Group (<https://www.copirgroup.com/>) where he works to identify patient groups that have ongoing unmet medical needs, define benchmark outcomes that next generation therapies should improve upon, and understand factors that influence clinical adoption of novel drug and device therapies.

Dr. Varshney earned a BS in biomedical engineering from Washington University in St. Louis and an MD from the University of Texas Southwestern Medical School. He completed residency in Internal Medicine and fellowship in Cardiovascular Medicine at Brigham & Women's Hospital/Harvard Medical School and fellowship in Advanced Heart Failure, Transplant Cardiology, and Mechanical Circulatory Support at Stanford University.

Dr. Varshney also has experience advising multiple medical device, drug, and digital health start-ups and currently serves as a Venture Advisor at Broadview Ventures, a philanthropically-funded, mission-driven investment organization that invests in early-stage companies developing technologies that have the potential to improve outcomes for patients with cardiovascular disease or stroke.

CLINICAL FOCUS

- Heart Failure
- Advanced Heart Failure
- Cardiogenic Shock
- Mechanical Circulatory Support
- Critical Care Cardiology
- Heart Transplantation
- Structural Heart Disease
- Valvular Heart Disease

- Cardiomyopathy
- Cardiovascular Disease

ACADEMIC APPOINTMENTS

- Clinical Assistant Professor, Medicine - Cardiovascular Medicine
- Member, Cardiovascular Institute

HONORS AND AWARDS

- Young Investigator Award in Heart Failure Runner Up, European Society of Cardiology (2023)
- Charles L. Feldman, Sc.D. Research Scholar Award, Brigham and Women's Hospital Vascular Profiling Laboratory (2018)
- Resident Mentor Award, Brigham and Women's Hospital Department of Medicine (2017)
- Martin P. Solomon Primary Care Scholarship Award, Brigham and Women's Hospital Department of Medicine (2016)
- Hemphill-Gojer Award in Internal Medicine, University of Texas Southwestern Medical School (2014)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Advisor, Broadview Ventures (2017 - present)
- Advisor, Texas Health Catalyst at UT Austin Dell Medical School (2021 - present)

PROFESSIONAL EDUCATION

- Fellowship, Stanford University , Advanced Heart Failure and Transplant Cardiology (2023)
- Fellowship, Brigham and Women's Hospital / Harvard Medical School , Cardiovascular Medicine (2022)
- Residency, Brigham and Women's Hospital / Harvard Medical School , Internal Medicine (2017)
- MD, University of Texas Southwestern Medical School (2014)
- BS, Washington University in St. Louis , Biomedical Engineering (2010)
- Board Certification: Cardiovascular Disease, American Board of Internal Medicine (2021)
- Board Certification: Internal Medicine, American Board of Internal Medicine (2017)

LINKS

- LinkedIn Profile: <https://www.linkedin.com/in/anubodh-sunny-varshney-md-09062217/>

Publications

PUBLICATIONS

- **Uptake of sodium-glucose cotransporter-2 inhibitors in hospitalized patients with heart failure: insights from the veterans affairs healthcare system.** *Journal of cardiac failure*
Varshney, A. S., Calma, J., Kalwani, N. M., Hsiao, S., Sallam, K., Cao, F., Din, N., Schirmer, J., Bhatt, A. S., Ambrosy, A. P., Heidenreich, P., Sandhu, A. T.
2024
- **Complications in patients with cardiogenic shock on veno-arterial extracorporeal membrane oxygenation therapy: distribution and relevance. Results from an international, multicentre cohort study.** *European heart journal. Acute cardiovascular care*
Beer, B. N., Kellner, C., Goßling, A., Sundermeyer, J., Besch, L., Dettling, A., Kirchhof, P., Blankenberg, S., Bernhardt, A. M., Brunner, S., Colson, P., Eckner, D., Frank, et al
2023
- **Heart Failure Medical Therapy Prior to Mitral Transcatheter Edge-to-Edge Repair: The STS/ACC Transcatheter Valve Therapy Registry.** *European heart journal*
Varshney, A. S., Shah, M., Vemulapalli, S., Kosinski, A., Bhatt, A. S., Sandhu, A. T., Hirji, S., DeFilippis, E. M., Shah, P. B., Fiuzat, M., O'Gara, P. T., Bhatt, D. L., Kaneko, et al
2023

- **Virtual Care Team-Guided Therapeutic Optimization During Hospitalization in Patients with Heart Failure: The IMPLEMENT-HF Study.** *Journal of the American College of Cardiology*
Bhatt, A. S., Varshney, A. S., Moscone, A., Claggett, B. L., Miao, Z. M., Chatur, S., Lopes, M. S., Ostrominski, J. W., Pabon, M. A., Unlu, O., Wang, X., Bernier, T. D., Buckley, et al
2023
- **Bridging Strategies and Cardiac Replacement Outcomes in Patients with Acute Decompensated Heart Failure-Related Cardiogenic Shock.** *European journal of heart failure*
Varshney, A. S., Berg, D. D., Zhou, G., Sinnenberg, L., Hirji, S., DeFilippis, E. M., Mallidi, H. R., Morrow, D. A., Rinewalt, D., Givertz, M. M.
2023
- **Timing of Active Left Ventricular Unloading in Patients on Venoarterial Extracorporeal Membrane Oxygenation Therapy.** *JACC. Heart failure*
Schrage, B., Sundermeyer, J., Blankenberg, S., Colson, P., Eckner, D., Eden, M., Eitel, I., Frank, D., Frey, N., Graf, T., Kirchhof, P., Kupka, D., Landmesser, et al
2022
- **Investigating the Association Between Telemedicine Use and Timely Follow-Up Care After Acute Cardiovascular Hospital Encounters.** *JACC advances*
Tang, M., Holmgren, A. J., McElrath, E. E., Bhatt, A. S., Varshney, A. S., Lee, S. G., Vaduganathan, M., Adler, D. S., Huckman, R. S.
2022; 1 (5): 100156
- **Increased Opportunities for Transplantation for Women in the New Heart Allocation System.** *Journal of cardiac failure*
Defilippis, E. M., Truby, L. K., Clerkin, K. J., Donald, E., Sinnenberg, L., Varshney, A. S., Cogswell, R., Kittleson, M. M., Haythe, J. H., Givertz, M. M., Hsich, E. M., Agarwal, R., Topkara, et al
2022; 28 (7): 1149-1157
- **The Enabling Potential of Device Therapy for Heart Failure.** *Journal of cardiac failure*
Varshney, A. S., Butler, J., Vaduganathan, M.
2022; 28 (7): 1227-1229
- **Epidemiology and Management of ST-Segment-Elevation Myocardial Infarction in Patients With COVID-19: A Report From the American Heart Association COVID-19 Cardiovascular Disease Registry.** *Journal of the American Heart Association*
Bhatt, A. S., Varshney, A. S., Goodrich, E. L., Gong, J., Ginder, C., Senman, B. C., Johnson, M., Butler, K., Woolley, A. E., de Lemos, J. A., Morrow, D. A., Bohula, E. A.
2022; 11 (9): e024451
- **Epidemiology of Acute Heart Failure in Critically Ill Patients With COVID-19: An Analysis From the Critical Care Cardiology Trials Network.** *Journal of cardiac failure*
Berg, D. D., Alviar, C. L., Bhatt, A. S., Baird-Zars, V. M., Barnett, C. F., Daniels, L. B., Defilippis, A. P., Fagundes, A., Katrapati, P., Kenigsberg, B. B., Guo, J., Keller, N., Lopes, et al
2022; 28 (4): 675-681
- **Trends and Outcomes of Left Ventricular Assist Device Therapy: JACC Focus Seminar.** *Journal of the American College of Cardiology*
Varshney, A. S., DeFilippis, E. M., Cowger, J. A., Netuka, I., Pinney, S. P., Givertz, M. M.
2022; 79 (11): 1092-1107
- **A Heart Team approach to contemporary device decision-making in heart failure.** *European journal of heart failure*
Varshney, A. S., Singh, J. P., Vaduganathan, M.
2022; 24 (3): 562-564
- **Relationship Between Myocardial Injury During Index Hospitalization for SARS-CoV-2 Infection and Longer-Term Outcomes.** *Journal of the American Heart Association*
Weber, B., Siddiqi, H., Zhou, G., Vieira, J., Kim, A., Rutherford, H., Mitre, X., Feeley, M., Oganezova, K., Varshney, A. S., Bhatt, A. S., Nauffal, V., Atri, et al
2022; 11 (1): e022010
- **Epidemiology of Cardiogenic Shock in Hospitalized Adults With COVID-19: A Report From the American Heart Association COVID-19 Cardiovascular Disease Registry.** *Circulation. Heart failure*
Varshney, A. S., Omar, W. A., Goodrich, E. L., Bhatt, A. S., Wolley, A. E., Gong, J., Senman, B. C., Silva, D., Levangie, M. W., Berg, D. D., Yeh, R. W., de Lemos, J. A., Morrow, et al
2021; 14 (12): e008477
- **Contemporary Burden of Primary Versus Secondary Heart Failure Hospitalizations in the United States.** *The American journal of cardiology*
Varshney, A. S., Minhas, A. M., Bhatt, A. S., Ambrosy, A. P., Fudim, M., Vaduganathan, M.

2021; 156: 140-142

- **Hospitalization of Patients With (But Not for) Heart Failure: An Opportunity for Accelerated Guideline-Directed Medical Therapy Optimization?** *Journal of cardiac failure*
Varshney, A. S., Bhatt, A. S., Vaduganathan, M.
2021; 27 (8): 910-912
- **Virtual optimization of guideline-directed medical therapy in hospitalized patients with heart failure with reduced ejection fraction: the IMPLEMENT-HF pilot study.** *European journal of heart failure*
Bhatt, A. S., Varshney, A. S., Nekoui, M., Moscone, A., Cunningham, J. W., Jering, K. S., Patel, P. N., Sinnenberg, L. E., Bernier, T. D., Buckley, L. F., Cook, B. M., Dempsey, J., Kelly, et al
2021; 23 (7): 1191-1201
- **Spatial relationships among hemodynamic, anatomic, and biochemical plaque characteristics in patients with coronary artery disease.** *Atherosclerosis*
Varshney, A. S., Coskun, A. U., Siasos, G., Maynard, C. C., Pu, Z., Croce, K. J., Cefalo, N. V., Cormier, M. A., Fotiadis, D., Stefanou, K., Papafakis, M. I., Michalis, L., VanOosterhout, et al
2021; 320: 98-104
- **Characteristics of clinical trials evaluating cardiovascular therapies for Coronavirus Disease 2019 Registered on ClinicalTrials.gov: a cross sectional analysis.** *American heart journal*
Varshney, A. S., Wang, D. E., Bhatt, A. S., Blood, A., Sharkawi, M. A., Siddiqi, H. K., Vaduganathan, M., Monteleone, P. P., Patel, M. R., Jones, W. S., Lopes, R. D., Mehra, M. R., Bhatt, et al
2021; 232: 105-115
- **Residual SYNTAX Score After Revascularization in Cardiogenic Shock: When Is Complete Complete?** *Journal of the American College of Cardiology*
Kochar, A., Varshney, A. S., Wang, D. E.
2021; 77 (2): 156-158
- **Recurrent bioprosthetic mitral valve thrombosis treated with anticoagulation.** *Echocardiography (Mount Kisco, N.Y.)*
Fernandes, R., Varshney, A. S., Aragam, J.
2020; 37 (12): 2134-2138
- **Left Ventricular Unloading Is Associated With Lower Mortality in Patients With Cardiogenic Shock Treated With Venoarterial Extracorporeal Membrane Oxygenation: Results From an International, Multicenter Cohort Study.** *Circulation*
Schrage, B., Becher, P. M., Bernhardt, A., Bezerra, H., Blankenberg, S., Brunner, S., Colson, P., Cudemus Deseda, G., Dabboura, S., Eckner, D., Eden, M., Eitel, I., Frank, et al
2020; 142 (22): 2095-2106
- **Outcomes in the 2018 UNOS donor heart allocation system: A perspective on disparate analyses.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
Varshney, A. S., Hirji, S. A., Givertz, M. M.
2020; 39 (11): 1191-1194
- **A Heart Murmur Is Discovered on an Oncology Ward: Extramedullary Acute Myeloid Leukemia.** *The American journal of medicine*
Abboud, A., Zamalloa, J. R., Sellars, M., Garza-Mayers, A. C., Varshney, A. S., Osborne, M. T., Chen, Y. E., McAfee, S., DeFilipp, Z.
2020; 133 (9): e457-e459
- **Fewer Hospitalizations for Acute Cardiovascular Conditions During the COVID-19 Pandemic.** *Journal of the American College of Cardiology*
Bhatt, A. S., Moscone, A., McElrath, E. E., Varshney, A. S., Claggett, B. L., Bhatt, D. L., Januzzi, J. L., Butler, J., Adler, D. S., Solomon, S. D., Vaduganathan, M.
2020; 76 (3): 280-288
- **Watching for Disease: the Changing Paradigm of Disease Screening in the Age of Consumer Health Devices.** *Journal of general internal medicine*
Varshney, A. S., Madias, C., Kakkar, R., Martin, D. T.
2020; 35 (7): 2173-2175
- **The Early Bird Catches the Worm: Should Severe LVH Be an Indication for Early TAVR?** *JACC. Cardiovascular interventions*
Bhatt, D. L., Varshney, A. S.
2020; 13 (11): 1340-1342
- **Use of Temporary Mechanical Circulatory Support for Management of Cardiogenic Shock Before and After the United Network for Organ Sharing Donor Heart Allocation System Changes.** *JAMA cardiology*

Varshney, A. S., Berg, D. D., Katz, J. N., Baird-Zars, V. M., Bohula, E. A., Carnicelli, A. P., Chaudhry, S., Guo, J., Lawler, P. R., Nativi-Nicolau, J., Sinha, S. S., Teuteberg, J. J., van Diepen, et al
2020

- **Expanding the Scope of Multimodality Imaging in Durable Mechanical Circulatory Support.** *JACC. Cardiovascular imaging*
Almarzooq, Z. I., Varshney, A. S., Vaduganathan, M., Pareek, M., Stewart, G. C., Estep, J. D., Mehra, M. R.
2020; 13 (4): 1069-1081
- **Risk stratification of coronary plaques using physiologic characteristics by CCTA: Focus on shear stress.** *Journal of cardiovascular computed tomography*
Samady, H., Molony, D. S., Coskun, A. U., Varshney, A. S., De Bruyne, B., Stone, P. H.
2019; 14 (5): 386-393
- **What was old is new again: learning from the modern master clinician.** *The clinical teacher*
Varshney, A., Braun, D. A., Patel, A. B., Yialamas, M. A.
2019; 16 (3): 274-276
- **Left Ventricular Hypertrophy Does Not Affect 1-Year Clinical Outcomes in Patients Undergoing Transcatheter Aortic Valve Replacement.** *JACC. Cardiovascular interventions*
Varshney, A. S., Manandhar, P., Vemulapalli, S., Kirtane, A. J., Mathew, V., Shah, B., Lowenstein, A., Kosinski, A. S., Kaneko, T., Thourani, V. H., Bhatt, D. L.
2019; 12 (4): 373-382
- **Role of local coronary blood flow patterns and shear stress on the development of microvascular and epicardial endothelial dysfunction and coronary plaque.** *Current opinion in cardiology*
Siasos, G., Tsikou, V., Zaromytidou, M., Sara, J. D., Varshney, A., Coskun, A. U., Lerman, A., Stone, P. H.
2018; 33 (6): 638-644
- **The Simplest Explanation: Pancytopenia.** *The American journal of medicine*
Varshney, A., Barkoudah, E.
2018; 131 (9): 1052-1054
- **Impact of Antithrombotic Regimen on Mortality, Ischemic, and Bleeding Outcomes after Transcatheter Aortic Valve Replacement.** *Cardiology and therapy*
Varshney, A., Watson, R. A., Noll, A., Im, K., Rossi, J., Shah, P., Giugliano, R. P.
2018; 7 (1): 71-77
- **Examining the applicability of SPRINT in patients with subclinical or established atherothrombotic disease: A REACH registry analysis.** *International journal of cardiology*
Varshney, A., Steg, P. G., Elbez, Y., Sorbets, E., Eagle, K. A., Bhatt, D. L.
2017; 243: 95-97
- **Biological Mesh Implants for Abdominal Hernia Repair: US Food and Drug Administration Approval Process and Systematic Review of Its Efficacy.** *JAMA surgery*
Huerta, S., Varshney, A., Patel, P. M., Mayo, H. G., Livingston, E. H.
2016; 151 (4): 374-81