

Stanford



Sneha Shah Jain MD, MBA

- Postdoctoral Medical Fellow, Cardiovascular Medicine
- Fellow in Graduate Medical Education

Bio

BIO

Dr. Sneha S. Jain is a chief fellow in the Division of Cardiovascular Medicine. She specializes in cardiovascular medicine and preventive cardiology.

She previously was an internal medicine resident at Columbia/NewYork-Presbyterian, during which time she was selected as a Silverman Fellow in Healthcare Innovation. In this capacity, she worked with clinical and data science partners to build and deploy the technological infrastructure to identify patients with certain cardiac conditions earlier in the course of their disease. She received her MD from the Johns Hopkins School of Medicine and her MBA from Harvard Business School. She graduated with distinction from Duke University with a BS in Economics. During her time at Harvard Business School, she worked at Moderna Therapeutics.

Her research and entrepreneurial interests focus on the development and responsible evaluation of AI to augment healthcare delivery and improve patient outcomes in cardiology. She works with the Stanford Center for Clinical Research and the Data Science Team at Stanford to deploy and prospectively evaluate AI solutions across the healthcare enterprise.

CLINICAL FOCUS

- Cardiovascular Medicine
- Cardiovascular Diseases
- Preventive Cardiology
- Cardiometabolic Risk Factors
- Ischemic Heart Disease
- Lipid Disorders
- Heart Disease Risk Factors
- Fellow

INSTITUTE AFFILIATIONS

- Member (Postdoc), Cardiovascular Institute

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Council Member, ACC Healthcare Innovation Council (2023 - present)

PROFESSIONAL EDUCATION

- Bachelor of Science, Duke University (2012)
- Doctor of Medicine, Johns Hopkins University (2018)

- Master of Business Admin, Harvard University (2017)
- MD, Johns Hopkins School of Medicine
- MBA, Harvard Business School

Research & Scholarship

CLINICAL TRIALS

- A Study of Milvexian Versus Apixaban in Participants With Atrial Fibrillation, Recruiting
- Picture of Incidental Calcium To Understand Risk Estimate (PICTURE) Trial, Recruiting

Publications

PUBLICATIONS

- **Contemporary attitudes and beliefs on coronary artery calcium from social media using artificial intelligence.** *NPJ digital medicine*
Somani, S., Balla, S., Peng, A. W., Dudum, R., Jain, S., Nasir, K., Maron, D. J., Hernandez-Boussard, T., Rodriguez, F.
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- **Artificial Intelligence for Cardiovascular Care - Part 1: Advances: JACC Review Topic of the Week.** *Journal of the American College of Cardiology*
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2024
- **Artificial Intelligence in Cardiovascular Care - Part 2: Applications: JACC Review Topic of the Week.** *Journal of the American College of Cardiology*
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2024
- **Treatment effect of canagliflozin for patients on therapy for heart failure: Pooled analysis of the CANVAS program and CREDENCE trial.** *International journal of cardiology*
Jain, S. S., Yu, J., Arnott, C., Neal, B., Perkovic, V., Neuen, B. L., Jardine, M., Mahaffey, K. W.
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- **Aortic Root Thrombosis in Patients with HeartMate 3 Left Ventricular Assist Device Support.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
Carey, M. R., Marshall, D., Clerkin, K., Laracuente, R., Sanchez, J., Jain, S. S., Raikhelkar, J. K., Leb, J. S., Kaku, Y., Yuzefpolskaya, M., Naka, Y., Colombo, P. C., Sayer, et al
2023
- **Association of Coronary Artery Calcium Detected by Routine Ungated CT Imaging With Cardiovascular Outcomes.** *Journal of the American College of Cardiology*
Peng, A. W., Dudum, R., Jain, S. S., Maron, D. J., Patel, B. N., Khandwala, N., Eng, D., Chaudhari, A. S., Sandhu, A. T., Rodriguez, F.
2023; 82 (12): 1192-1202
- **TREATMENT EFFECT OF CANAGLIFLOZIN FOR PATIENTS ON THERAPY FOR HEART FAILURE: POOLED ANALYSIS OF THE CANVAS PROGRAM AND CREDENCE TRIAL**
Jain, S. S., Yu, J., Arnott, C., Neal, B., Perkovic, V., Neuen, B., Jardine, M., Mahaffey, K. W.
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- **ANTIRACIST AI: A MACHINE LEARNING MODEL USING ELECTROCARDIOGRAMS AND ECHOCARDIOGRAMS CAN DETECT TRANSTHYRETIN CARDIAC AMYLOIDOSIS AND DECREASE RACIAL BIAS IN DIAGNOSTIC TESTING**
Jain, S. S., Sun, T., Brown, K., Ramlall, V., Tatonetti, N., Elhadad, N., Rodriguez, F., Witteles, R., Maurer, M. S., Poterucha, T., Elias, P.
ELSEVIER SCIENCE INC.2023: 338
- **Impact of Periprocedural Adverse Events After PCI and CABG on 5-Year Mortality: The EXCEL Trial.** *JACC. Cardiovascular interventions*
Jain, S. S., Li, D., Dressler, O., Kotinkaduwa, L., Serruys, P. W., Kappetein, A. P., Sabik, J. F., Morice, M., Puskas, J., Kandzari, D. E., Karmpaliotis, D., Lembo, N. J., Brown, et al
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- **Outflow Graft Narrowing of the HeartMate 3 Left Ventricular Assist Device.** *The Annals of thoracic surgery*
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- **The Effect of Chaplain Patient Navigators and Multidisciplinary Family Meetings on Patient Outcomes in the ICU: The Critical Care Collaboration and Communication Project.** *Critical care explorations*
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- **Prognostic Importance of Health Status Versus Functional Status in Heart Failure and Secondary Mitral Regurgitation** *JACC-HEART FAILURE*
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2021; 9 (9): 684-692
- **CLINICAL AND ECONOMIC BURDEN OF OBSTRUCTIVE HYPERTROPHIC CARDIOMYOPATHY IN THE UNITED STATES**
Jain, S. S., Li, S. S., Xie, J., Sutton, M. B., Fine, J. T., Edelberg, J. M., Gao, W., Spertus, J. A., Cohen, D. J.
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- **IMPACT OF PREOPERATIVE LYMPHOPENIA ON OUTCOMES AFTER HEART TRANSPLANT**
Jain, S. S., Clerkin, K. J., Roth, Z. B., Fried, J. A., Raikhelkar, J., Griffin, J. M., Colombo, P. C., Yuzefpolkskaya, M., Latif, F., Topkara, V. K., Farr, M. A., Naka, Y., Takeda, et al
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- **AORTIC ROOT THROMBOSIS IS ASSOCIATED WITH INCREASED INCIDENCE OF AORTIC INSUFFICIENCY IN PATIENTS SUPPORTED WITH HEARTMATE 3 LEFT VENTRICULAR ASSIST DEVICE**
Marshall, D. P., Laracuente, R., Carey, M., Clerkin, K., Masoumi, A., Raikhelkar, J., Griffin, J., Leb, J. S., Kaku, Y., Jain, S., Sanchez, J. E., Takayama, H., Yuzefpolkskaya, et al
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- **AORTIC ROOT THROMBOSIS IN PATIENTS WITH HEARTMATE 3 LEFT VENTRICULAR ASSIST DEVICES**
Marshall, D. P., Carey, M., Laracuente, R., Clerkin, K., Masoumi, A., Kaku, Y., Raikhelkar, J., Griffin, J., Leb, J. S., Jain, S., Sanchez, J. E., Takayama, H., Yuzefpolkskaya, et al
ELSEVIER SCIENCE INC.2021: 834
- **Defining a Clinically Important Change in 6-Minute Walk Distance in Patients With Heart Failure and Mitral Valve Disease** *CIRCULATION-HEART FAILURE*
Jain, S. S., Cohen, D. J., Zhang, Z., Uriel, N., Sayer, G., Lindenfeld, J., Abraham, W. T., Mack, M. J., Stone, G. W., Arnold, S. V.
2021; 14 (3): 405-407
- **Admission Cardiac Diagnostic Testing with Electrocardiography and Troponin Measurement Prognosticates Increased 30-Day Mortality in COVID-19** *JOURNAL OF THE AMERICAN HEART ASSOCIATION*
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- **Clinical and economic burden of obstructive hypertrophic cardiomyopathy in the United States** *JOURNAL OF MEDICAL ECONOMICS*
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2021; 24 (1): 1115-1123
- **The Evolving Roles of Digital Health, Big Data and AI: "Tech-celeration" in CV Care**
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- **Prognostic Importance of Functional Status Versus Health Status in Patients With Heart Failure and Severe Secondary Mitral Regurgitation**
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- **An Evaluation of Biometric Monitoring Technologies for Vital Signs in the Era of COVID-19** *CTS-CLINICAL AND TRANSLATIONAL SCIENCE*
Manta, C., Jain, S. S., Coravos, A., Mendelsohn, D., Izmailova, E. S.

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- **The Prognostic Value of Electrocardiogram at Presentation to Emergency Department in Patients With COVID-19** *MAYO CLINIC PROCEEDINGS*
Elias, P., Poterucha, T. J., Jain, S. S., Sayer, G., Raikhelkar, J., Fried, J., Clerkin, K., Griffin, J., DeFilippis, E. M., Gupta, A., Lawlor, M., Madhavan, M., Rosenblum, et al
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- **Indications for and Findings on Transthoracic Echocardiography in COVID-19** *JOURNAL OF THE AMERICAN SOCIETY OF ECHOCARDIOGRAPHY*
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- **The Variety of Cardiovascular Presentations of COVID-19** *CIRCULATION*
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- **COVID-19 and Cardiovascular Disease** *CIRCULATION*
Clerkin, K. J., Fried, J. A., Raikhelkar, J., Sayer, G., Griffin, J. M., Masoumi, A., Jain, S. S., Burkhoff, D., Kumaraiah, D., Rabbani, L., Schwartz, A., Uriel, N.
2020; 141 (20): 1648-1655
- **IMPACT OF THE REVERSAL OF ELEVATED PULMONARY VASCULAR RESISTANCE WITH LEFT VENTRICULAR ASSIST DEVICE OR CHRONIC VASODILATORS ON POST HEART TRANSPLANT CLINICAL OUTCOMES**
Jain, S., Roth, Z., Clerkin, K., Fried, J., Raikhelkar, J., Colombo, P., Farr, M. A., Topkara, V., Yuzefpolskaya, M., Naka, Y., Takeda, K., Uriel, N., Sayer, et al
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- **Impact of Periprocedural Major Adverse Events After PCI and CABG on Long-Term Outcomes in Patients With Left Main Disease: The EXCEL Trial**
Jain, S., Dressler, O., Serruys, P., Kappetein, A., Sabik, J., Leon, M., Taggart, D., Morice, M., Puskas, J., Kandzari, D., Lembo, N., Brown, W., Banning, et al
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- **Diagnostic Capability of Three-Dimensional Macular Parameters for Glaucoma Using Optical Coherence Tomography Volume Scans** *INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE*
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- **Leading Change – A National Survey of Chief Innovation Officers in Health Systems** *Health Management, Policy & Innovation*
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- **Committing To Transformation: Chief Innovation Officers And The Role Of Organizational Redesign**
Jain, S. S., Schulman, K. a.
Health Affairs Forefront.
2018
- **Why are patients being readmitted after surgery for esophageal cancer?** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
Shah, S. P., Xu, T., Hooker, C. M., Hulbert, A., Battafarano, R. J., Brock, M. V., Mungo, B., Molena, D., Yang, S. C.
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- **IMPROVING THE ICU PATIENT EXPERIENCE: THE C4 (CRITICAL CARE COLLABORATION AND COMMUNICATION) PROJECT**
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