



Partho P Sengupta, M.D., D.M.

**Chair, Department of Cardiology
Mayo Clinic Health System**

Dr. Partho P. Sengupta, MD, MBBS, FACC, is serving as the Chair of Department of Cardiology, Mayo Clinic Health System. He completed his residency and cardiology fellowship at the Mayo Clinic (Rochester and Arizona) in 2007 and 2010. Before returning to Mayo, he served as a tenured Henry Rutgers Professor of Medicine, Chief of the Division of Cardiology at Rutgers Robert Wood Johnson Medical School, and Chief of the Cardiovascular Service Line at Robert Wood Johnson University Hospital.

An internationally recognized leader in cardiac imaging, digital health, and artificial intelligence, Dr. Sengupta has authored more than 350 peer-reviewed publications (H-index: 80). His research focuses on advanced ultrasound imaging, AI-enabled diagnostics, robotics, and wearable technologies. He has directed multidisciplinary teams to pioneer mobile health and point-of-care ultrasound programs, including landmark American Society of echocardiography and American College of cardiology innovations that advanced community outreach, digital platforms, and global learning in echocardiography.

Dr. Sengupta has also made milestone contributions to imaging informatics. He reported one of the earliest applications of machine learning in echocardiography (2013) and more recently led the development of the PRIME checklist, now adopted by the ACC and JACC: Cardiovascular Imaging as the standard framework for evaluating AI in cardiovascular imaging. His achievements have been widely recognized. He was named among the Top 1% Healthcare Research All-Stars for 2025 by Avant-Garde Health, received the 2024 AACIO Award for Outstanding Achievements in Cardiology, the 2023 NJBiz Healthcare Hero Award, and the 2023 ACC Gifted Educator Award and 2026 ACC Distinguished Scientists Award in Translational Domain. He is currently serving as the scientific Chair of Annual Scientific Sessions for the American Society of Echocardiography (2027–2028) and Overall Scientific Session Chair (2027–2028).

Through innovation centers at West Virginia University and Rutgers, supported by NSF, NHLBI and industry grants, Dr. Sengupta has fostered breakthrough discoveries, patents, and industry collaborations. He has mentored more than 30 national and international research trainees, many of whom have achieved recognition as Young Investigator Award finalists.