

Interventional Cardiology Fellowship Faculty



Rebecca Chester, MD
Program Director

Dr. Chester specializes in advanced and high-risk interventional cardiology with clinical interests that include cardiogenic shock, mechanical circulatory support, complex percutaneous coronary intervention (PCI), atherectomy, and intracoronary imaging. She earned her medical degree from Tulane University School of Medicine and completed residency training in internal medicine at UCLA School of Medicine. She then completed a cardiovascular disease fellowship at Mayo Clinic Arizona, followed by an interventional cardiology fellowship at UCLA School of Medicine. Dr. Chester is actively engaged in clinical research and serves as a principal investigator or sub-investigator for several national and industry-sponsored trials involving intravascular lithotripsy, coronary intervention and optimization, and mechanical circulatory support. She leads the HonorHealth Cardiogenic Shock Initiative, advancing systemwide processes for the rapid identification and management of patients in shock, and is the Network STEMI Director, overseeing coordinated, high-quality STEMI care across HonorHealth. In addition to her clinical and research responsibilities, Dr. Chester is strongly invested in medical education. She serves as an Assistant Professor of Clinical Practice at the Arizona State University John Shufeldt School of Medicine and Medical Engineering, contributing to curriculum development and trainee instruction. She precepts trainees in the Cardiovascular Disease Fellowship and Family Medicine Residency, providing hands-on clinical instruction, procedural training, and individualized mentorship. As Program Director for the Interventional Cardiology Fellowship, she plays a central role in shaping the fellowship's educational framework by overseeing curriculum design, coordinating procedural training, and ensuring fellows receive comprehensive, evidence-based instruction across all aspects of interventional cardiology.



Andrew Cluckey, MD
Associate Program Director

Dr. Cluckey is an interventional and structural cardiologist specializing in advanced catheter-based therapies for structural heart disease, coronary artery disease, and complex cardiovascular conditions. He received his medical degree from Case Western Reserve University School of Medicine and subsequently completed his residency in internal medicine at Stanford University. He then pursued advanced subspecialty training at Vanderbilt University Medical Center, where he completed fellowships in cardiovascular medicine, interventional cardiology and structural heart disease. He has an extensive academic and research background, authoring numerous peer-reviewed publications in cardiology, electrophysiology, and cardiovascular imaging. Dr. Cluckey serves as Associate Program Director for the Interventional Cardiology Fellowship and Program Director for the Structural Heart Disease Fellowship, helping guide the next generation of cardiovascular specialists. He is also an Assistant Professor of Clinical Practice at the Arizona State University John Shufeldt School of Medicine and Medical Engineering. Dedicated to education and system improvement, Dr. Cluckey has led lectures, case conferences, and educational initiatives for residents, nurses, and medical students. He remains actively involved in quality improvement, academic mentorship, and expanding access to advanced cardiovascular therapies.



**Taral Patel, MD, FACC, FSCAI
Associate Program Director**

Dr. Patel specializes in complex coronary and peripheral vascular interventions, including chronic total occlusions, high-risk percutaneous coronary interventions, and endovascular therapies. He serves as Associate Program Director of the Interventional Cardiology Fellowship and is also an Assistant Professor of Clinical Practice at the Arizona State University John Shufeldt School of Medicine and Medical Engineering. He earned his medical degree from the Mount Sinai School of Medicine in New York, then completed his internal medicine residency at Duke University Medical Center. He went on to pursue a cardiovascular medicine fellowship at the Cleveland Clinic Foundation, followed by specialized fellowship training in interventional cardiology at St. Luke's Mid-America Heart Institute. Dr. Patel has extensive experience in treating complex and high-risk cardiac conditions. Before joining HonorHealth, he served in interventional cardiology roles across Georgia, South Carolina, North Carolina, and Tennessee. He is widely published, contributing more than 20-peer-reviewed research articles in leading cardiology journals, with a focus on chronic total occlusion interventions, complex PCI strategies, and procedural outcomes. His academic contributions also include book chapters and participation in national and international clinical trials as a site investigator. Dr. Patel champions medical education within the program and mentors fellows in mastering advanced interventional techniques.



Kush Agrawal, MD, FACC, RPVI

Dr. Agrawal is an interventional cardiologist who has cared for patients in Arizona since 2016. He joined Atria Heart in collaboration with HonorHealth in March of 2020. He completed his medical degree at the University of Mississippi, followed by an internal medicine residency at Emory University and Grady Hospital in Atlanta. Dr. Agrawal then pursued both cardiology and interventional cardiology training at Boston University Medical Center, with additional combined training at Brigham and Women's Hospital (Harvard) and the Boston VA. He subsequently earned a prestigious Vascular Interventional Advances (VIVA) fellowship. Dr. Agrawal has authored numerous high-impact journal articles and textbook chapters and has served as a sub-investigator in the CREST-2 Carotid Stent and ABSORB IV Bioabsorbable Stent trials. In 2018, he was honored with the

Fellow of the American College of Cardiology designation (FACC). He has successfully performed a wide range of high-risk cardiac and vascular procedures. Dr. Agrawal promotes a supportive learning environment and guides fellows in developing the skills essential for independent practice.



Venkataramanan Gangadharan, MD

Dr. Gangadharan's clinical practice is focused on the management of complex coronary artery disease and peripheral vascular disease, with particular expertise in the treatment of complex superficial and deep venous disease. He is committed to delivering high-quality, innovative care and achieving excellent outcomes, even in the most challenging clinical scenarios. He earned his Doctor of Medicine degree from Sri Ramachandra Medical University. He completed his internal medicine residency and cardiology fellowship at East Tennessee State University, followed by advanced training in interventional cardiology at Virginia Commonwealth University. Dr. Gangadharan's research interests include deep vein thrombosis, pulmonary embolism, renal denervation, and coronary artery disease. He has served as primary investigator or subinvestigator on numerous studies in this clinical space. Dr. Gangadharan is especially interested in advancing clinical outcomes, health equity, and technological innovation through a collaborative, multidisciplinary approach. He is actively involved in medical education, teaching medical students, cardiology fellows, and allied health professionals, primarily in clinical settings. He serves as an Assistant Professor of Clinical Practice at the Arizona State University John Shufeldt School of Medicine and Medical Engineering. His teaching philosophy emphasizes mentorship, hands-on learning, critical thinking, and professionalism. Dr. Gangadharan is Chair of the Clinical Competency Committee for the Cardiovascular Disease Fellowship and a teaching faculty member for the Interventional Cardiology Fellowship. He is dedicated to advancing clinical excellence, quality improvement, and program development here at HonorHealth.



Mohanad Hasan, MD

Dr. Hasan is an interventional and structural cardiologist specializing in complex coronary interventions and advanced transcatheter structural heart therapies. He earned his medical degree from the University of Baghdad College of Medicine in 2008. He completed his internal medicine residency at the University of Nevada School of Medicine in Las Vegas, followed by cardiovascular disease, interventional cardiology, and structural heart disease interventions fellowships at the Ochsner Clinical Foundation in New Orleans. Dr. Hasan's clinical expertise includes complex coronary interventions, advanced structural heart disease therapies, transcatheter heart valve procedures, innovations in percutaneous valve repair and replacement and adoption of emerging cardiovascular technologies for high-risk patients. He is passionate about integrating novel devices and techniques to improve outcomes for patients with complex cardiovascular disease. He has performed procedures in complex coronary interventions, mechanical circulatory support (MCS), transcatheter aortic valve replacement (TAVR), tricuspid valve interventions (TTEER, TTVR), mitral valve interventions (MTEER, TMVR), left atrial appendage closure, PFO/ASD closure and mechanical thrombectomy for pulmonary embolism and deep vein thrombosis. Dr. Hasan is deeply committed to medical education and serves as a mentor to cardiology fellows, particularly in advanced interventional and structural heart procedures.



Mohammed Hasoon, MD

Dr. Hasoon is an interventional cardiologist with specialized training in advanced coronary procedures and a strong commitment to innovation, education, and high-quality patient care. He serves in a key leadership role within the HonorHealth Shea Heart Care Team, contributing to program management, service development, and the delivery of coordinated, high-quality cardiovascular care. He earned his medical degree from the University of Baghdad and completed his internal medicine residency at Maricopa Medical Center (now Creighton University School of Medicine – Phoenix). He then pursued subspecialty training in general cardiology at the University of Texas in San Antonio, followed by an interventional cardiology fellowship at

the University of Arizona - Phoenix/Banner University Medical Center. Dr. Hasoon's clinical interests include complex coronary interventions, management of high-risk and multivessel coronary artery disease and optimization of procedural outcomes using advanced techniques and technology. He is engaged in research involving the development and refinement of aspiration thrombectomy technologies and the advancements that improve safety, precision, and patient outcomes in coronary interventions. Dr. Hasoon is dedicated to medical education and actively participates in teaching interventional cardiology fellows. His work includes inpatient rounding with the general cardiology service and hands-on instruction during complex coronary interventions.



Mazen Roumia, MD, FACC, FSCAI

Dr. Roumia is an interventional and structural cardiologist recognized for his expertise in advanced coronary and structural heart interventions. He earned his medical degree from Aleppo University School of Medicine in Syria and completed his internal medicine residency at Michigan State University. He went on to pursue subspecialty training with a cardiology fellowship at Geisinger Medical Center, followed by an interventional cardiology fellowship at Brown University, where he developed advanced proficiency in complex interventional procedures. Dr. Roumia's clinical practice focuses on complex coronary interventions and structural heart interventions, including advanced transcatheter therapies. His research is focused on medical device innovation

and clinical trial leadership in the field of interventional cardiology. Dr. Roumia has held several key leadership positions during his career where he played a central role in program development, quality improvement initiatives, and expanding access to advanced structural heart therapies. He is focused on shaping future clinicians by providing real-world clinical instruction and supportive mentorship.



Victor Sein, DO

Dr. Sein is an interventional cardiologist dedicated to providing comprehensive, patient-centered cardiovascular care. He earned his Doctor of Osteopathic Medicine degree from Midwestern University, Arizona College of Osteopathic Medicine (AZCOM). He completed his internal medicine residency at Banner University Medical Center Phoenix, where he also went on to complete both his cardiovascular disease fellowship and interventional cardiology fellowship. Dr. Sein's clinical practice includes a broad range of cardiovascular care, with special interests in general and interventional cardiology, congestive heart failure (CHF), peripheral arterial disease, preventative cardiology and sports medicine. His approach emphasizes prevention, early detection, and advanced minimally invasive treatments tailored to each patient's needs. Dr. Sein is involved in clinical research focused on congestive heart failure, general cardiology and interventional cardiology. His research aims to improve patient outcomes and advance the field through evidence-based innovation. Dr. Sein is committed to educating fellows through hands-on clinical training and mentorship.



Per Sommer, MD, FACC, FSCAI

Dr. Sommer is an interventional and structural cardiologist with advanced expertise in complex cardiac procedures and the management of high-risk cardiovascular conditions. As Director of Cardiology at HonorHealth Deer Valley Medical Center, he leads clinical, operational, and program-development initiatives focused on delivering comprehensive, patient-centered heart care. Dr. Sommer received his medical degree from Christian Albrechts University in Kiel, Germany. He completed his internal medicine residency and cardiology fellowship at the Albert Einstein College of Medicine/Montefiore Medical Center in Bronx, New York. He subsequently pursued highly specialized training at the University of Colorado in Denver, completing both an interventional cardiology fellowship and a structural cardiology fellowship, with a focus on catheter-based therapies for heart valve disease and other structural abnormalities. His clinical interests include heart valve disease, structural heart interventions and critical care cardiology. Dr. Sommer's research focuses on emerging valve therapies and device development. His work contributes to advancing minimally invasive treatment options for patients with complex structural heart conditions. Dr. Sommer is an active presenter at national and international conferences, sharing insights on interventional cardiology, structural procedures, and innovations in valve therapy. A dedicated educator, Dr. Sommer has received multiple teaching and faculty awards throughout his career.



Haidar Talal Yassin, MD

Dr. Yassin is an interventional and structural cardiologist. As Network Director of Structural Heart Disease at HonorHealth, he leads the development of clinical protocols, quality metrics, multidisciplinary teams, strategic growth, and cross-department collaboration to advance a high-performing structural heart program. He earned his Bachelor of Medicine, Bachelor of Surgery degree from the Baghdad University College of Medicine, then completed his internal medicine residency at SUNY Downstate at the Long Island College Hospital. He went on to complete a cardiovascular disease fellowship at the SUNY Downstate Medical Center and an interventional cardiology fellowship at Winthrop University Hospital. Dr. Yassin specializes in complex coronary intervention, transcatheter valve therapies, and minimally invasive structural heart procedures. He is a certified proctor for TAVR, TMVR, ASD/PFO closure, and left atrial appendage closure, and has extensive experience with advanced hemodynamic support devices and high-risk coronary interventions. Throughout his career, Dr. Yassin has been deeply committed to academic leadership. He serves as a Clinical Assistant Professor of Medicine at the University of Arizona – Phoenix and has previously directed both the Interventional Cardiology and Structural Heart fellowships at Banner University Medical Center. In these roles, he guided fellows through high-level clinical training, complex procedural experience, and scholarly development. He is known for his hands-on teaching style, ability to simplify complex interventional concepts, and dedication to fostering clinical excellence and professional growth in trainees. Dr. Yassin's mentorship extends into his research leadership. He has served as a primary or co-primary investigator in major structural heart trials- including TRILUMINAT and SUMMIT- providing fellows and young physicians with opportunities to engage in cutting-edge clinical investigation. His commitment to education continues to influence the next generation of cardiologist while elevating the quality of patient care within the community.