

Short CV

Shifa Turan is a Professor in the Department of Obstetrics, Gynecology, and Reproductive Sciences at the University of Maryland, School of Medicine. She is a Director of a Fetal Heart Program and leads the department's cardiovascular research between basic and clinical scientists. Her work in first-trimester cardiac evaluation, cardiovascular assessment, and application of different imaging modalities in tiny hearts has been recognized in the field. Her expertise has allowed her to use this method in all animal models and improve translational research in the Obstetric field using a reverse approach – bedside to bench. She pioneered a stepwise approach for analyzing normal and diabetic mouse embryonic hearts using a 17.6 Tesla MRI. Her clinical and basic science research has been evolving, and currently, she is an NIH-funded researcher and has grants on the baboon model to evaluate the protective cardiovascular effect of estrogen in baboon hearts. She is also a principal investigator in “Heightened hypoxia and DNA methylation in heart defects of diabetic embryopathy” She is responsible for teaching ultrasound to medical students, residents, and Maternal Fetal Medicine Fellows in the Department and mentoring Ph.D. and master’s degree students. She has published over 70 original papers, reviews, and book chapters, and her work has been cited by other researchers more than 3000 times.