

Julio A. Chirinos, MD, PhD is an Associate Professor of Medicine at Perelman School of Medicine. He is a specialist in cardiac imaging (echocardiography and cardiac magnetic resonance imaging). His PhD was focused on the non-invasive assessment of arterial hemodynamics.



He directs an NIH-funded research program focused on mechanisms of heart failure, the role of arterial stiffness and ventricular arterial interactions in heart disease, and the use of proteomics to discern mechanisms of human heart failure. He currently leads clinical studies designed to therapeutically target the arterial tree in order to reduce maladaptive cardiac remodeling, diastolic dysfunction, and to treat patients with Heart Failure and Preserved Ejection Fraction, an epidemic condition for which no effective proven pharmacologic therapies are currently

available. He also leads various cohort studies with deep cardiovascular phenotyping aimed at characterizing phenotypic profiles in humans.

Dr. Chirinos has successfully completed multiple clinical studies and has published >200 papers in high-impact journals, including the *New England Journal of Medicine*, *The Lancet*, *Journal of the American Medical Association (JAMA)*, *Circulation*, *Hypertension* and *Journal of the American College of Cardiology (JACC)*. He has received research awards from the American Heart Association, the Inter-American Society of Cardiology and the American Society of Hypertension. He has also received multiple research grants from the National Heart, Lung and Blood Institute (NHLBI), the National Institute on Aging (NIA), the American College of Radiology (ACR), and the American Heart Association (AHA), among others. He is one of 20 global members of the Lancet Commission for Hypertension, in charge of developing strategies and recommendations to reduce the global burden of hypertension. He has participated in various clinical expert committees for the American Heart Association, American Society of Echocardiography, European Society of Cardiology, American Society of Hypertension and European Association of Cardiovascular Imaging.

He is currently the Vice-President of the North American Artery society, which promotes the study of arterial function as a determinant of cardiovascular disease. He is also an Associate Editor of the AHA journal *Circulation Heart Failure* and the *Journal of Clinical Hypertension*. He was an Editor of the Cochrane Group (Cochrane Collaboration), a Senior Consulting Editor of the *Journal of the American College of Cardiology – Cardiovascular Imaging* and a member of the editorial board of *Pulse* and the *Journal of Geriatric Cardiology*.

Dr. Chirinos also directs a core analysis laboratory for assessments of cardiac and arterial structure and function with non-invasive imaging, which has served as the core lab for various multicenter studies, including population studies, American College of Radiology Network studies and industry-funded studies. He has been an invited speaker in >120 scientific sessions.