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## LIST OF PUBLICATIONS

1. Bertini M, Sengupta PP, Nucifora G, Delgado V, Ng AC, Marsan NA, **Shanks M**, van Bommel RJ, Schalij MJ, Narula J, Bax JJ. Role of Left Ventricular Twist Mechanics in the Assessment of Cardiac Dyssynchrony in Heart Failure. *JACC Cardiovascular Img.* 2009;2:1425-35.
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5. Bertini M, Sengupta PP, Nucifora G, Delgado V, NG ACT, Marsan NA, **Shanks M**, van Bommel RJ, Schalij MJ, Narula J, Bax JJ. Left ventricular twist mechanics in heart failure: evolving role in the assessment of cardiac dyssynchrony. *JACC Cardiovasc Imaging.* 2009;2:1425-35.
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## CURRICULUM VITAE

Dr. Miriam Shanks was born on January 9<sup>th</sup>, 1972 in Košice, Slovakia. She obtained her high school diploma in 1990 from Gymnázium Šrobárová 1 in Košice, Slovakia. In 1996, she graduated from the Medical School at the University of Pavol Jozef Šafárik in Košice, Slovakia. She completed her Internal Medicine training at the University of British Columbia, Canada in 2004 followed by three-year Cardiology training at the University of Alberta, Canada (2004-2007). She then underwent a two-year Echocardiography Fellowship consisting of one year Clinical Echocardiography training at the University of Alberta, Canada and one year Imaging Research Fellowship at Leiden University Medical Center, Leiden, The Netherlands under the mentorship of Prof. Dr. Jeroen J. Bax. In 2009, Dr. Shanks was appointed as an assistant professor in the Department of Medicine, Division of Cardiology at the University of Alberta and Mazankowski Alberta Heart Institute. She acted as a Director of Echocardiography Fellowship Program at the University of Alberta from 2009 to 2011. She has been acting as a Chair of the Mazankowski Alberta Heart institute Cardiology Grand Rounds since 2009. Her primary research areas of interest include novel echocardiographic techniques for the assessment of myocardial mechanics, including myocardial deformation imaging and tissue Doppler imaging, as well as evaluation of cardiac anatomy and valvular function by 3-dimensional echocardiography. Her clinical interests include echocardiography, and management of heart failure patients and patients undergoing transcatheter aortic valve implantation.