Accepted Manuscript

Contributions of Aortic Pulse Wave Velocity and Backward Wave Pressure to Variations in Left Ventricular Mass are Independent of Each Other

Hamza Bello, Gavin R. Norton, Imraan Ballim, Carlos D. Libhaber, Pinhas Sareli, Angela J. Woodiwiss

PII: S1933-1711(17)30074-8

DOI: 10.1016/j.jash.2017.03.001

Reference: JASH 1012

To appear in: *Journal of the American Society of Hypertension*

Received Date: 7 October 2016

Revised Date: 27 February 2017

Accepted Date: 2 March 2017

Please cite this article as: Bello H, Norton GR, Ballim I, Libhaber CD, Sareli P, Woodiwiss AJ, Contributions of Aortic Pulse Wave Velocity and Backward Wave Pressure to Variations in Left Ventricular Mass are Independent of Each Other, *Journal of the American Society of Hypertension* (2017), doi: 10.1016/j.jash.2017.03.001.

Contributions of Aortic Pulse Wave Velocity and Backward Wave Pressure to Variations in Left Ventricular Mass are Independent of Each Other.

Hamza Bello, Gavin R Norton, Imraan Ballim, Carlos D Libhaber, Pinhas Sareli, Angela J Woodiwiss.

From the Cardiovascular Pathophysiology and Genomics Research Unit, Schools of Physiology (HB, GRN, IB, PS, AJW), and Medicine (CDL) Faculty of Health Sciences, University of the Witwatersrand, Johannesburg, South Africa.

Running title: Aortic stiffness and LVM.

This work was supported by the Medical Research Council of South Africa, the Circulatory Disorders Research Trust, the University Research Council of the University of the Witwatersrand and the South African National Research Foundation.

None of the authors have any conflicts of interest to declare

HB, GRN and AJW contributed equally to this work.

Correspondence and reprint requests: Angela J Woodiwiss, Cardiovascular Pathophysiology and Genomics Research Unit, School of Physiology, University of the Witwatersrand Medical School, 7 York Road, Parktown, 2193, Johannesburg, South Africa. Tel + 27 11 717 2363, e-mail: angela.woodiwiss@wits.ac.za