Accepted Manuscript

Validation of Coronary Computed Tomography Angiography Scores for Non-Invasive Assessment of Atherosclerotic Burden through a Comparison with Multivessel Intravascular Ultrasound

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PII: S0021-9150(16)30039-9

DOI: 10.1016/j.atherosclerosis.2016.01.040

Reference: ATH 14472

To appear in: Atherosclerosis

Received Date: 21 August 2015
Revised Date: 21 January 2016
Accepted Date: 25 January 2016

Please cite this article as: Cavalcante R, Bittencourt MS, Pinheiro TL, Falcao BAA, Morais GR, Soares P, Mariani Jr. J, Ribeiro E, Kalil-Filho R, Rochitte CE, Lemos PA, Validation of Coronary Computed Tomography Angiography Scores for Non-Invasive Assessment of Atherosclerotic Burden through a Comparison with Multivessel Intravascular Ultrasound, *Atherosclerosis* (2016), doi: 10.1016/j.atherosclerosis.2016.01.040.

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ACCEPTED MANUSCRIPT 1 Validation of Coronary Computed Tomography Angiography Scores for Non-Invasive Assessment of Atherosclerotic Burden through a Comparison with Multivessel 2 **Intravascular Ultrasound** 3 **Short Title**: Atherosclerotic Burden on Coronary CT Angiography 4 Rafael Cavalcante MD PhD¹, Marcio S. Bittencourt MD MPH PhD², Thais L. Pinheiro MD ¹, 5 Breno A. A. Falcao MD PhD¹, Gustavo R. Morais MD¹, Paulo Soares MD PhD¹, José Mariani 6 Jr. MD¹, Expedito Ribeiro MD PhD¹, Roberto Kalil-Filho MD PhD¹, Carlos E. Rochitte MD PhD¹, 7 Pedro A. Lemos MD PhD¹ 8 9 1) Department of Interventional Cardiology, Heart Institute (InCor), University of São Paulo 10 Medical School, Sao Paulo, Brazil 11 12 2) Center for Clinical and Epidemiological Research and Division of Internal Medicine, University Hospital, University of São Paulo, São Paulo, Brazil 13 Corresponding author: Dr. Pedro A. Lemos MD PhD 14 Address: Av. Dr. Eneas Carvalho de Aguiar, 44 Bloco I, 3º andar, Hemodinâmica, São Paulo-SP 15 16 05403-000 Brazil 17 Phone: +55 11 2661 5634 Fax: +55 11 2661 5286 18 E-mail: pedro.lemos@incor.usp.br 19 20 21

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