

## Publications (excluding abstracts)

1. Ntalas I, Karady J, Chambers J, **Rajani R**. Simultaneous dual coronary fistulas. *Arquivos Brasileiros de Cardiologia* 2017. (In press).
2. Picone DS, Schultz MG, Otahal P, Aakhus S, Al-Jumaily AM, Black JA, Bos WJ, Chambers JB, Chen CH, Cheng HM, Cremer A, Davies JE, Dwyer N, Gould BA, Hughes AD, Lacy PS, Laugesen E, Liang F, Melamed R, Muecke S, Ohte N, Okada S, Omboni S, Ott C, Peng X, Pereira T, Pucci G, **Rajani R**, Roberts-Thomson P, Rossen NB, Sueta D, Sinha MD, Schmieder RE, Smulyan H, Srikanth VK, Stewart R, Stouffer GA, Takazawa K, Wang J, Westerhof BE, Weber F, Weber T, Williams B, Yamada H, Yamamoto E, Sharman JE. Accuracy of Cuff-measured Blood Pressure: Systematic reviews and Meta-Analyses. *J Am Coll Cardiol*. 2017;70:572-586.
3. Ntalas I, Karady J, Kapetanakis S, **Rajani R**. The Doppler Paradox. *Echocardiography* 2017. (In press).
4. Patterson T, Schreuder J, Burkhoff D, Vanderheyden M, **Rajani R**, Toth G, Redwood SR, Bartunek J. Percutaneous Ventricular Restoration Using the Parachute De vice: The Parachute III Pressure-Volume Loop Sub-study. *Structural Heart* 2017; 1: 65-74.
5. Fastl T, Tobon-Gomez C, Crozier W, Whitaker J, **Rajani R**, McCarthy K, Sanchez-Quintana D, Ho SY, O'Neill M, Plank G, Bishop M, Niederer S. Personalized Modeling Pipeline for Left Atrial Electromechanics. Conference publication.
6. Patel HC, Hayward C, Keegan J, Gatehouse PD, **Rajani R**, Khattar RS, Mohiaddin RH, Rosen SD, Lyon AR, Di Mario C. Effects of renal denervation on vascular remodelling in patients with heart failure and preserved ejection fraction: A Randomised control trial. *HRSM Cardiovasc Dis*. 2017.
7. Behar J, **Rajani R**, Rinaldi CA. Guided left ventricular lead placement for cardiac resynchronisation therapy: an opportunity for image integration. *European Journal of Heart Failure* 2017.
8. Jawaid M, **Rajani R**, Liatsis P, Slabaugh G. A hybrid energy model for region based curve evolution – Application to CTA based coronary segmentation. *Computer Methods and Programs in Biomedicine* 2017; 144C: 189-202.
9. Jawaid M, Riaz A, **Rajani R**, Reyes-Aldasoro C, Slabaugh G. SVM Framework for detection and localization of coronary Non-calcified plaques using mean radial profiles. *Signal Processing. Comput Biol Med*. 2017 Aug 1;89:84-95.
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11. Behar JM, **Rajani R**, Pourmeteza A, Preston R, Razheghi O, Niederer S, Adhya S, Claridge S, Jackson T, Sieniewicz B, Gould J, Carr-White G, Razavi R, McVeigh E, Rinaldi CA. Comprehensive use of cardiac computed tomography to guide left ventricular lead placement in cardiac resynchronization therapy. *Heart Rhythm* 2017. In press.
12. Behar JM, Claridge S, Jackson T, Sieniewicz B, Porter B, Webb J, **Rajani R**, Kapetanakis S, Carr-White G, Rinaldi CA. The role of multimodality imaging in selecting patients and guiding lead placement for the delivery of cardiac resynchronization therapy. *Expert Rev Cardiovasc Ther* 2016. (Epub ahead of print).
13. Uus A, Liatsis P, **Rajani R**. The influence of vessel segmentation threshold on the accuracy of patient-specific coronary blood flow simulations. *MWSCAS* 2016. Conference publication.
14. Karim R, Varela M, Bhagirath P, Morgan R, Housden RJ, **Rajani R**, Aslanidi O, Rhode K. Segmentation challenge on the quantification of left atrial wall thickness. 2016 (In press)
15. Lumley M, Williams, R, Asrress K, Arri S, Briceno N, Ellis H, **Rajani R**, Siebes M, Piek J, Clapp B, Redwood S, Marber M, Chambers J, Perera D. Coronary physiology during exercise and vasodilatation in the healthy heart and severe aortic stenosis. *Journal of the American College of Cardiology* 2016; 68: 688-697.

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17. Karady J, Whitaker J, **Rajani R**, Maurovich-Horvat P. State of the art CT imaging of the left atrium. *Current Radiology Reports* 2016. (In press).
18. Krommydas A, **Rajani R**, Hart N, Kapetanakis S. The Olympic Rings of Duchenne's Muscular Dystrophy – Cardiac Computed Tomography Wins Gold. *Revista Portuguesa de Cardiologia* 2016. (In press).
19. Villa A, Sammut E, Nair A, **Rajani R**, Bonamini R, Amedeo Chiribiri. Coronary artery anomalies: the normal and the abnormal. *World Journal of Radiology* 2016. (In press)
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21. Whitaker J, **Rajani R**, Chubb H, Gabrawi, Varela, M, Wright M, Niederer S, O'Neill MD. The role of myocardial wall thickness in atrial arrhythmogenesis. *Europace* 2016. (In press).
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