

This is a repository copy of Left atrial size and function in a South Asian population and their potential influence on the risk of atrial fibrillation.

White Rose Research Online URL for this paper: http://eprints.whiterose.ac.uk/137957/

Version: Accepted Version

Article:

O'Neill, J, Swoboda, PP orcid.org/0000-0001-7162-7079, Plein, S et al. (1 more author) (2018) Left atrial size and function in a South Asian population and their potential influence on the risk of atrial fibrillation. Clinical cardiology, 41 (10). pp. 1379-1385. ISSN 0160-9289

https://doi.org/10.1002/clc.23064

© 2018 Wiley Periodicals, Inc. This is the peer reviewed version of the following article: O'Neill, J, Swoboda, PP, Plein, S et al. (1 more author) (2018) Left atrial size and function in a South Asian population and their potential influence on the risk of atrial fibrillation. Clinical cardiology, 41 (10). pp. 1379-1385, which has been published in final form at https://doi.org/10.1002/clc.23064. This article may be used for non-commercial purposes in accordance with Wiley Terms and Conditions for Use of Self-Archived Versions.

Reuse

Items deposited in White Rose Research Online are protected by copyright, with all rights reserved unless indicated otherwise. They may be downloaded and/or printed for private study, or other acts as permitted by national copyright laws. The publisher or other rights holders may allow further reproduction and re-use of the full text version. This is indicated by the licence information on the White Rose Research Online record for the item.

Takedown

If you consider content in White Rose Research Online to be in breach of UK law, please notify us by emailing eprints@whiterose.ac.uk including the URL of the record and the reason for the withdrawal request.



eprints@whiterose.ac.uk https://eprints.whiterose.ac.uk/

	South Asian	Caucasian	P-value
LAV _{min} , ml	27.7 ± 11.1	34.9 ± 12.3	0.002
LAV _{min} /BSA, mI/m²	14.9 ± 5.1	18.1 ± 5.8	0.004
LAV _{max} , ml	64.7 ± 21.1	80.9 ± 22.5	<0.001
LAV _{max} /BSA, ml/m ²	35.2 ± 9.1	41.9 ± 10.5	0.001
Passive LAEF, %	34.1 ± 11.2	33.2 ± 10.4	0.567
Active LAEF, %	35.4 ± 10.0	34.8 ± 10.2	0.720
Total LAEF, %	57.8 ± 7.4	56.8 ± 7.9	0.603
LV ejection fraction, %	60.0 (7.7)	62.0 (7.5)	0.147
LV mass, g	83.9 ± 28.8	94.8 ± 24.6	0.022
LV mass/BSA, g/m²	44.8 ± 10.4	49.0 ± 10.2	0.028
LVEDV, ml	130.9 ± 33.4	159.7 ± 33.0	<0.001
LVEDV/BSA, ml/m²	71.9 ± 14.4	82.8 ± 13.5	<0.001
LVESV, ml	54.8 ± 24.3	60.4 ± 17.0	0.148
LVESV/BSA, ml/m²	30.0 ± 12.0	31.3 ± 7.8	0.150
LV SV, ml	76.9 ± 19.0	99.3 ± 20.3	<0.001
LV SV/BSA, ml/m²	42.3 ± 8.0	51.5 ± 8.4	<0.001

Table 2.	Left atrial volume and function and left ventricular mass, volume	
and function		

Abbreviations: LAV_{min}, minimum left atrial volume; BSA, body surface area; LAV_{max}, maximum left atrial volume; LAEF, left atrial ejection fraction; LV, left ventricle; LVEDV, left ventricular end-diastolic volume; LVSDV, left ventricular end-systolic volume; LV SV, left ventricular stroke volume.