



ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Cardiology

ESPS manuscript NO: 29946

Title: Significance of inferior wall ischemia in non-dominant right coronary artery anatomy

Reviewer's code: 02602138

Reviewer's country: Iran

Science editor: Shui Qiu

Date sent for review: 2016-09-02 12:05

Date reviewed: 2016-09-06 17:04

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
<input checked="" type="checkbox"/> Grade C: Good		<input type="checkbox"/> Duplicate publication	
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade E: Poor	<input type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Minor revision
		BPG Search:	<input checked="" type="checkbox"/> Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

COMMENTS TO AUTHORS

The manuscript "Interpretation Of Inferior Wall Ischemia On Single Photon Emission Computed Tomography Myocardial Perfusion Imaging In Non-Dominant Right Coronary Artery Anatomy. A Hypothesis Generating Study" by Malik et al. is aimed at clarifying one of important pitfalls of SPECT in diagnosis of ischemic coronary patients. This work has been completed on an interesting topic with practical significance and the authors believe is the first report in the field of nuclear imaging. The difference between predictive values of two groups of studied patients is so much that requires special attention in daily practice. However there are drawbacks that should be addressed in this study: The role of gender differences has not been explained. The authors are recommended to report the results separately according to sex. As noted in Ref 8 the size of coronary artery matters and it is dependent to dominancy and probably to gender. Clarify the importance of Pic 1. How so many people are diagnosed with inferior ischemia? English writing needs revision. There are sentences that should be rewritten to be clearer. In title page add affiliation 3. In abstract revise Method section as follows: Patients who showed a reversible inferior wall defect on SPECT MPI and



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had coronary angiography during hospitalization were included. Patients were divided into group 1 and group 2. Group 1 included patients with non-dominant RCA, and group 2, patients with dominant RCA. True positive and false positives were identified on the basis of hemodynamically significant CAD on coronary angiography, in the same territory as identified on SPECT MPI. Move first paragraph of discussion to Method section. Most of references are not complete. Add year of publication.



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ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Cardiology

ESPS manuscript NO: 29946

Title: Significance of inferior wall ischemia in non-dominant right coronary artery anatomy

Reviewer's code: 00214291

Reviewer's country: Germany

Science editor: Shui Qiu

Date sent for review: 2016-09-02 12:05

Date reviewed: 2016-09-27 21:36

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	Google Search:	<input checked="" type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Duplicate publication	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		BPG Search:	<input type="checkbox"/> Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

COMMENTS TO AUTHORS

Interesting article about the usefulness of SPECT for perfusion imaging of the inferior wall.



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ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Cardiology

ESPS manuscript NO: 29946

Title: Significance of inferior wall ischemia in non-dominant right coronary artery anatomy

Reviewer's code: 00236103

Reviewer's country: Germany

Science editor: Shui Qiu

Date sent for review: 2016-09-02 12:05

Date reviewed: 2016-10-03 06:14

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Duplicate publication	<input type="checkbox"/> Rejection
<input checked="" type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> Plagiarism	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

COMMENTS TO AUTHORS

From the results of this study it is suggested, that there is a high risk of false positive SPECT results with respect to the inferior myocardial wall in patients with a non dominant RCA. This does not seem to be really new. Therefore the authors should provide a more detailed information on their literature search, before they claim that this phenomenon is unknown so far. Moreover it is not clear in which cases they used SPECT MPI. A detailed flow chart would increase transparency. The indication for SPECT MPI meanwhile is quite limited and far from being a routine assessment in many countries. Therefore some more statistics should be provided on the actual role of SPECT MPI in clinical routine at least in the USA and in addition in some other industrial countries as comparison. Finally I would advise to include a copy of 1-2 SPECT pictures showing an normal and a false positive SPECT assessment



ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Cardiology
ESPS manuscript NO: 29946
Title: Significance of inferior wall ischemia in non-dominant right coronary artery anatomy
Reviewer's code: 00227375
Reviewer's country: Japan
Science editor: Shui Qiu
Date sent for review: 2016-09-02 12:05
Date reviewed: 2016-10-05 21:27

Table with 4 columns: CLASSIFICATION, LANGUAGE EVALUATION, SCIENTIFIC MISCONDUCT, CONCLUSION. It contains checkboxes for various criteria like 'Grade A: Excellent', 'Priority publishing', 'Google Search', 'Accept', etc.

COMMENTS TO AUTHORS

This is an interesting manuscript about the association of a positive test for inferior wall ischemia on myocardial perfusion imaging (MPI) with non-dominant right coronary artery (RCA) anatomy. The authors have demonstrated that MPI in patients with non-dominant RCA has significantly high false positive results for inferior wall ischemia. This manuscript is nicely structured and well written. However, there are several problems about this manuscript. I'll show the questionable points those the authors may need to revise. Please consider the following comments. (Comments) 1. Page 9, Results, "The PPV was analyzed and compared between the two study groups." I think the authors should describe sensitivity, specificity, negative predictive value (NPV) in addition to PPV. Please consider. 2. Page 7, Results, "There was no significant difference in mean hospital stay, re-hospitalization, and in-hospital mortality between the two groups." The authors should describe more detailed data in the text or table. 3. References The publishing year is not described, except reference [11].