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ESPS Peer-review Report

Name of Journal: World Journal of Radiology

ESPS Manuscript NO: 8437

Title: Coronary plaque imaging by coronary CT angiography

Reviewer code: 00252373

Science editor: Gou, Su-Xin

Date sent for review: 2013-12-28 18:33

Date reviewed: 2013-12-29 17:42

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A (Excellent)	<input checked="" type="checkbox"/> Grade A: Priority Publishing	Google Search:	<input type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B (Very good)	<input type="checkbox"/> Grade B: minor language polishing	<input type="checkbox"/> Existed	<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"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)		<input type="checkbox"/> No records	<input checked="" type="checkbox"/> Major revision

COMMENTS TO AUTHORS

The authors must be congratulated for providing a succinct overview of the role of CT in analysing coronary plaque morphology. In the opinion of this reviewer the quality of the manuscript will be further enhanced if the authors address the following issues. 1. Please include a Table comparing various imaging modalities for analysis of coronary plaque. 2. Please include a Table summarizing various studies reporting analysis of coronary plaque by CT.



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ESPS Peer-review Report

Name of Journal: World Journal of Radiology

ESPS Manuscript NO: 8437

Title: Coronary plaque imaging by coronary CT angiography

Reviewer code: 00106145

Science editor: Gou, Su-Xin

Date sent for review: 2013-12-28 18:33

Date reviewed: 2013-12-30 16:06

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A (Excellent)	<input checked="" type="checkbox"/> Grade A: Priority Publishing	Google Search:	<input type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B (Very good)	<input type="checkbox"/> Grade B: minor language polishing	<input type="checkbox"/> Existed	<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"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input checked="" type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)		<input type="checkbox"/> No records	<input type="checkbox"/> Major revision

COMMENTS TO AUTHORS

The authors should be commended for this well written review regarding multidetector coronary CT. Possibly, the inclusion of a summary or table with the respective state-of-art pros & cons of MDCT and arteriography would further strengthen the manuscript.



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ESPS Peer-review Report

Name of Journal: World Journal of Radiology

ESPS Manuscript NO: 8437

Title: Coronary plaque imaging by coronary CT angiography

Reviewer code: 00225343

Science editor: Gou, Su-Xin

Date sent for review: 2013-12-28 18:33

Date reviewed: 2014-01-11 02:20

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	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"/> Existed	<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"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)		<input type="checkbox"/> No records	<input type="checkbox"/> Major revision

COMMENTS TO AUTHORS

It is a very good work



ESPS Peer-review Report

Name of Journal: World Journal of Radiology

ESPS Manuscript NO: 8437

Title: Coronary plaque imaging by coronary CT angiography

Reviewer code: 00069439

Science editor: Gou, Su-Xin

Date sent for review: 2013-12-28 18:33

Date reviewed: 2014-01-13 01:58

Table with 4 columns: CLASSIFICATION, LANGUAGE EVALUATION, RECOMMENDATION, CONCLUSION. It contains a grid of checkboxes for various review grades and actions like 'Accept', 'High priority for publication', etc.

COMMENTS TO AUTHORS

In this manuscript the authors review the coronary plaque morphology estimated by CTA beyond coronary angiography, including a comparison with the currently available other imaging modalities used to examine morphological characteristics of the atherosclerotic plaque. This is a well-written review article that add important messages for World J Radiology readers. Minor issues: please add a new section on the potential advantages of dual-source CT technology in the evaluation of patients with CAD and update the manuscript with recent literature. Coronary CTA and MPI: 1. This is a good and well written chapter with clear discussion of the different methodologies; please add a small section on the possible role of FDG-PET especially in Relationship of serum inflammatory biomarkers with plaque inflammation assessed by FDG PET/CT: the dal-PLAQUE study. Duivenvoorden R, Mani V, Woodward M, Kallend D, Suchankova G, Fuster V, Rudd JH, Tawakol A, Farkouh ME, Fayad ZA. JACC Cardiovasc Imaging. 2013. 2. The followig sentence may be re-proposed in the conclusion adding an important message to both radiologists and cardiologists readers "in low-to-intermediate likelihood patients, CTA may well be the best initial test due to its high NPV; however, in intermediate-to-high probability patients, CTA's low PPV may result in unnecessary radiation exposure, and stress nuclear MPI might be a better first-line test". Prognosis: recent article by Hadamitsky et al. add new data on CCTA that predict both death and myocardial infarction as well as need for subsequent revascularizations out to 5 years. CCTA imaging may be a valuable tool in the assessment of long-term prognosis in patients with suspected CAD. Please add this ref. to your list and in the same paragraph. Eur Heart J. 2013 Nov;34(42):3277-85. doi: 10.1093/eurheartj/eh293. Epub 2013 Sep 24. Prognostic value of coronary computed tomography



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angiography during 5 years of follow-up in patients with suspected coronary artery disease.
Hadamitzky M, T?ubert S, Deseive S, Byrne RA, Martinoff S, Sch?mig A, Hausleiter J. Table and
Figures: OK