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ESPS Peer-review Report

Name of Journal: World Journal of Radiology

ESPS Manuscript NO: 8460

Title: Clinical significance of visceral adiposity assessed by computed tomography: A Japanese perspective

Reviewer code: 02664607

Science editor: Gou, Su-Xin

Date sent for review: 2013-12-28 19:55

Date reviewed: 2013-12-31 05:52

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	BPG Search:	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)		<input type="checkbox"/> Existed	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

COMMENTS TO AUTHORS

This is a very important topic, as obesity is an epidemic in the United States and the incidence is increasing in other developed countries. The ability to quantitatively assess visceral adiposity using CT and risk-stratify patients may prove to be useful clinically. The authors detail a low-dose, reliable method for doing so. This may also be helpful for CT scans obtained for other reasons. Hopefully, we as radiologists can in the future standardize the way we describe obesity in our reports and use a quantitative approach (such as measuring VFA at the level of L4) for every case we read.



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ESPS Peer-review Report

Name of Journal: World Journal of Radiology

ESPS Manuscript NO: 8460

Title: Clinical significance of visceral adiposity assessed by computed tomography: A Japanese perspective

Reviewer code: 02664527

Science editor: Gou, Su-Xin

Date sent for review: 2013-12-28 19:55

Date reviewed: 2014-01-10 07:36

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 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 checked="" 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

The authors present a detailed review of the estimation of visceral fat. This an uncommon subject. The author's institute nevertheless has considerable expertise in the topic. No major comments. Few typos like in table 1 (umbilicus is misspelt) should be corrected.



ESPS Peer-review Report

Name of Journal: World Journal of Radiology

ESPS Manuscript NO: 8460

Title: Clinical significance of visceral adiposity assessed by computed tomography: A Japanese perspective

Reviewer code: 02785233

Science editor: Gou, Su-Xin

Date sent for review: 2013-12-28 19:55

Date reviewed: 2014-01-20 09:36

Table with 4 columns: CLASSIFICATION, LANGUAGE EVALUATION, RECOMMENDATION, CONCLUSION. It lists various grades (A-E) and corresponding evaluation and recommendation criteria.

COMMENTS TO AUTHORS

In the present study, Ryo et al review the current status and the clinical significance of visceral adiposity assessment by computed tomography (CT). They also describe the technical details regarding image acquisition and post-processing. The subject is interesting and clinically relevant. Nevertheless, there are some issues that merit consideration: 1- The authors state that there is a significant association between the magnitude of visceral adiposity and the number of metabolic/cardiac risk factors. However, they do not present any data about the relationship between visceral adiposity and patients' prognosis. Are there studies demonstrating that the magnitude of visceral adiposity is associated with worse patient survival? If so, has it been demonstrated that visceral adiposity is an independent predictor of adverse events? On the other hand, if there aren't any studies demonstrating a relationship between visceral adiposity and patients' prognosis, what do the authors believe is the reason? This should be discussed. 2- Is there any association between visceral adiposity and the Framingham risk score, or between visceral adiposity and other markers of subclinical atherosclerosis, such as calcium score, carotid intima-media thickness, C-reactive protein, etc? Maybe the authors could discuss that also. 3- Maybe the authors could discuss the issue of radiation. What is the usual radiation dose used in the standard protocol for visceral adiposity assessment? 4- The description of the "Hokenshido" technique is very interesting. However, I wasn't able to fully understand it. What does this "Health education guidance Hokenshido" consist of? Is it a dietary education? Does it include regular physical exercise? What other aspects of health education does it include? Maybe the authors could



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describe the “Hokenshido” in greater detail, in particular for the non-Japanese readership. 5- I suggest that, if possible, the manuscript undergo a formal language review by a native english speaker.