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ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Radiology

ESPS manuscript NO: 23483

Title: Assessment of sub-milli-sievert abdominal computed tomography with iterative reconstruction techniques of different vendors

Reviewer's code: 00225366

Reviewer's country: Canada

Science editor: Shui Qiu

Date sent for review: 2015-11-30 10:10

Date reviewed: 2015-12-01 03:50

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 checked="" 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 type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> No	<input checked="" 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

This paper compared the image quality of reduced dose abdominal CT with 9 reconstruction techniques from 4 different vendors. They concluded that mean CTDIvol 1.3 mGy is not sufficient for clinical diagnostic performance. I have the following comments: 1. Please state the names of the vendors and use "A", "B" and "C" to label them without telling the readers which one is which. 2. The Conclusion is not very useful and we wanted to know the minimum CTDIvol for an acceptable image quality.

ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Radiology

ESPS manuscript NO: 23483

Title: Assessment of sub-milli-sievert abdominal computed tomography with iterative reconstruction techniques of different vendors

Reviewer's code: 00058381

Reviewer's country: Austria

Science editor: Shui Qiu

Date sent for review: 2015-11-30 10:10

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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 checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Minor revision
	<input type="checkbox"/> Grade D: Rejected	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

Major Comments: This study has several limitations (as mentioned by the authors in the "Discussion"); therefore, the conclusion should be more restrictive; e.g., "...was not sufficient to retain clinical diagnostic performance in our study". Please check the numbers; e.g., "There were total 49 "true positive" lesions on SD CT including kidney cysts (n=15), liver cyst (n=11), gall stones (n=4), diverticulosis (n=5), fatty liver (n=3), kidney stone (n=1), focal pancreatic lesion (n=1), splenomegaly (n=1), and other lesions (n=9) such as lymph nodes, paracolon abscess, low attenuating liver lesion, lytic lesion, and renal mass." (15+11+4+5+3+1+1+1+9 is not 49; page 11); or "Of 59 "true positive" on SD CT, there were kidney cysts (n=23), liver cysts (n=8), indeterminate liver lesions (n=3), cholelithiasis (n=3), diverticulosis (n=6), fatty liver (n=3), hernias (n=4), pancreatic lesions (n=2), splenomegaly (n=1), and other lesions (n=4) (lymph nodes, adrenal nodule, and enlarged prostate)." (23+8+3+3+6+3+4+2+1+4 is not 59; page 12). Table 2 is not included in the manuscript. Minor Comment: Please note that the plural of "diverticulum" is "diverticula", not "diverticuli" (page 13).