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## ESPS PEER-REVIEW REPORT

**Name of journal:** World Journal of Radiology

**ESPS manuscript NO:** 30491

**Title:** Computed tomography pulmonary angiography using a 20% reduction in contrast medium dose delivered in a multiphasic injection

**Reviewer's code:** 00225366

**Reviewer's country:** Canada

**Science editor:** Xue-Mei Gong

**Date sent for review:** 2016-10-09 15:23

**Date reviewed:** 2016-11-08 23:30

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input 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 checked="" 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

Comments To Authors The idea of this work is interesting and number of patients in this study is enough. The authors have done the error analysis so I only have the following minor comments: 1. Abstract and authors' information cannot be found in the manuscript. 2. There is no CTPA image showing with and without reduction of contrast. 3. The authors should justify why they decided to reduce the contrast dose by 20% but not other values.



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**Name of journal:** World Journal of Radiology

**ESPS manuscript NO:** 30491

**Title:** Computed tomography pulmonary angiography using a 20% reduction in contrast medium dose delivered in a multiphasic injection

**Reviewer's code:** 02577402

**Reviewer's country:** China

**Science editor:** Xue-Mei Gong

**Date sent for review:** 2016-10-09 15:23

**Date reviewed:** 2016-11-12 10:49

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input checked="" 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"/> 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

major revision



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### ESPS PEER-REVIEW REPORT

**Name of journal:** World Journal of Radiology

**ESPS manuscript NO:** 30491

**Title:** Computed tomography pulmonary angiography using a 20% reduction in contrast medium dose delivered in a multiphasic injection

**Reviewer's code:** 02346872

**Reviewer's country:** China

**Science editor:** Xue-Mei Gong

**Date sent for review:** 2016-10-09 15:23

**Date reviewed:** 2016-11-20 10:54

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

Overall: This study utilised a lower dose (60ml) of contrast agent compared to the normal dose (75ml) currently used in clinical practice. The experimental results have shown that a reduction in contrast agent dose can be achieved without adversely affecting pulmonary arterial enhancement in CTPA. They demonstrated that using a reduced dose of contrast medium (60ml vs 75ml) is a clinically feasible without adversely affecting the image quality and diagnostic value of CTPA for PE. They proposed the lower contrast dose of 60ml should be used as standard practice in all patients undergoing CTPA. The dose reduction is intended to enhance patient safety as well reducing the overall scanning cost. The dose reduction is a hot issue at present. This is a useful paper for the patient's health care.