

## ESPS PEER-REVIEW REPORT

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

**ESPS manuscript NO:** 24392

**Title:** Correlation of magnetic resonance signal characteristics and perfusion parameters assessed by volume perfusion computed tomography in hepatocellular carcinoma - impact on lesion characterization

**Reviewer's code:** 00068723

**Reviewer's country:** Japan

**Science editor:** Shui Qiu

**Date sent for review:** 2016-01-22 17:37

**Date reviewed:** 2016-01-23 14:40

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 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 type="checkbox"/> Plagiarism	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input checked="" type="checkbox"/> No	<input 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

This study showed that arterial blood supply dominated in HCC. This is a well-known phenomenon, which was the basis of HPI. Authors should clearly show the significance of the study and potential application to clinical practice. Introduction of VPCT is required in "Introduction" section. Discussion. Some parts were suitable for Introduction and redundant. Discussion should focus on the significance of the study. "In summary" seemed long. Conclusion sentences should be compact. Figure 1 B. C showed that wash-in was unclear. D showed clear wash-in. How did the author speculate this discrepancy? Was contrast-medium different? Perfusion speed different? Timing of image acquiring different? Figure 1 A. Explanation of F is lacking. Figure 2 and 3. What is the red line? Figure 4 and 5. What are Green line, box, and bar?

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

**ESPS manuscript NO:** 24392

**Title:** Correlation of magnetic resonance signal characteristics and perfusion parameters assessed by volume perfusion computed tomography in hepatocellular carcinoma - impact on lesion characterization

**Reviewer's code:** 00032726

**Reviewer's country:** China

**Science editor:** Shui Qiu

**Date sent for review:** 2016-01-22 17:37

**Date reviewed:** 2016-01-28 16:18

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"/> 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 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

1. In the background, please introduce a little more details of VPCT and other treatment and diagnostic technology. 2. The manuscript may try to avoid repeating the same meaning and reduce the case of the original intention. 3. There are a lot of problems in the charts, such as Figure 2-5 didn't explain the means of the red line and green line and the format of statistical charts is not correct. 4. Whether the level of assessment of different gender groups should not be the same? Different gender groups should have different assessment results.

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

**ESPS manuscript NO:** 24392

**Title:** Correlation of magnetic resonance signal characteristics and perfusion parameters assessed by volume perfusion computed tomography in hepatocellular carcinoma - impact on lesion characterization

**Reviewer's code:** 00069297

**Reviewer's country:** China

**Science editor:** Shui Qiu

**Date sent for review:** 2016-01-22 17:37

**Date reviewed:** 2016-01-30 01:44

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 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 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 manuscript written by Dr. Gerd et al. has perfectly determined if functional perfusion parameters by means of VPCT differ in HCC lesions with typical and atypical MR pattern including enhancement patterns and the correlation with histology. They found hepatic perfusion index (HPI) measured with help of VPCT was very high in all HCC lesions and the ALP decreased with increasing tumor dedifferentiation. The conclusion seems to be fair. The contents would give significant information.

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

**ESPS manuscript NO:** 24392

**Title:** Correlation of magnetic resonance signal characteristics and perfusion parameters assessed by volume perfusion computed tomography in hepatocellular carcinoma - impact on lesion characterization

**Reviewer's code:** 00068107

**Reviewer's country:** China

**Science editor:** Shui Qiu

**Date sent for review:** 2016-01-22 17:37

**Date reviewed:** 2016-01-31 10:55

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 checked="" 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
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		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

## COMMENTS TO AUTHORS

The references are not appropriate and up-to-date.