

ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Radiology

ESPS manuscript NO: 25210

Title: Diffusion weighted imaging: Technique and applications

Reviewer's code: 02664527

Reviewer's country: United States

Science editor: Xue-Mei Gong

Date sent for review: 2016-03-09 17:36

Date reviewed: 2016-04-28 08:41

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"/> Plagiarism	<input checked="" type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		[Y] 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 a comprehensive review of role of DWI. But the authors fail to present the review scientifically. There are repetitive generalized statements. As an example, the statement that DWI differentiates benign and malignant lesions is repeated several times. Instead, the authors should use studies in literature to high light how DWI does in this situation. What is the sensitivity and specificity of detecting malignancy when DWI is added? For detection liver metastasis there are several studies which mention the added value of DWI which should be quoted with numbers.

ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Radiology

ESPS manuscript NO: 25210

Title: Diffusion weighted imaging: Technique and applications

Reviewer's code: 00289471

Reviewer's country: Italy

Science editor: Xue-Mei Gong

Date sent for review: 2016-03-09 17:36

Date reviewed: 2016-04-03 00:15

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 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 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 is a very good article. There are just some minor problems: quality of abstract is far inferior to that of main text, concepts are not so well summarized. Acronym CASADIL should be written in full. I think that in section oncological applications the authors should explain what b value is and what could explain difference in signal from some tissues.

ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Radiology

ESPS manuscript NO: 25210

Title: Diffusion weighted imaging: Technique and applications

Reviewer's code: 02348457

Reviewer's country: China

Science editor: Xue-Mei Gong

Date sent for review: 2016-03-09 17:36

Date reviewed: 2016-04-10 23:21

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 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"/> 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 type="checkbox"/> Grade D: Rejected	<input type="checkbox"/> No	<input type="checkbox"/> Minor revision
		BPG Search:	<input type="checkbox"/> Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input type="checkbox"/> No	

COMMENTS TO AUTHORS

As to peripheral nerves, I recommend more references be included, such as Diffusion tensor imaging of symptomatic nerve roots in patients with cervical disc herniation. Academic Radiology.; Visualization of peripheral nerve degeneration and regeneration: Monitoring with diffusion tensor tractography, neuroimage.

ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Radiology

ESPS manuscript NO: 25210

Title: Diffusion weighted imaging: Technique and applications

Reviewer's code: 02830713

Reviewer's country: Greece

Science editor: Xue-Mei Gong

Date sent for review: 2016-03-09 17:36

Date reviewed: 2016-04-14 01:26

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"/> Plagiarism	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		[Y] No	<input type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		[Y] No	

COMMENTS TO AUTHORS

This manuscript is a review of DWI MRI technique and its application to differential diagnosis. The work is well written is consistent and has adequate bibliographic review. My suggestion is to publish as it is.

ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Radiology

ESPS manuscript NO: 25210

Title: Diffusion weighted imaging: Technique and applications

Reviewer's code: 02548806

Reviewer's country: Turkey

Science editor: Xue-Mei Gong

Date sent for review: 2016-03-09 17:36

Date reviewed: 2016-04-19 03:36

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 type="checkbox"/> Grade C: Good		<input type="checkbox"/> Duplicate publication	
<input checked="" 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 type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Minor revision
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		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

COMMENTS TO AUTHORS

>>The title of the manuscript would rather be changed as : "Diffusion and Diffusion Tensor weighted Imaging: Technique and Applications" >>The technical evolution parts of the manuscript may be deleted or seriously shortened since this part is not so exiting for the reader especially in the beginning. >>There is not so much data about the effects of b value, Tesla value. >>I could also not see about quantitative DWI and DTI? What should we expect for instance in an hemangioma, HCC, or prostatic carcinoma as ADC or FA value? >>Should we apply the same b value for DTI and DWI, and also in different organs? >>The readers should also be told about direct DWI and DTI derived ADC values. >>There are lots of non-useful sentences like : "The utility of DW MR imaging is also being investigated in diffuse hepatic parenchymal disease such as non-alcoholic fatty liver disease and hepatic fibrosis (45)." What should we expect from this sentence? ..is being investigated ? So is it useful? To what extent? Can DWI or DTI differentiate fibrosis with which b value and with which ADC or FA values? >>Also the language should be improved. >>To my point of view the authors should rewrite the manuscript whether by expanding the text carefully which will make this minireview too lengthy, or solely discussing DWI in detail. Regards