

ESPS PEER REVIEW REPORT

Name of journal: World Journal of Radiology

ESPS manuscript NO: 11634

Title: FUNCTIONAL TOPOGRAPHY OF THE CORPUS CALLOSUM INVESTIGATED BY DTI AND fMRI

Reviewer code: 00012499

Science editor: Fang-Fang Ji

Date sent for review: 2014-05-29 22:47

Date reviewed: 2014-06-10 17:58

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	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"/> Existing	<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		BPG Search:	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor	<input type="checkbox"/> Grade D: Rejected	<input type="checkbox"/> Existing	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

COMMENTS TO AUTHORS

Well written review. The DTI part, however, is not up to date. Please discuss the impact of the chosen b values on DTI of corpus callosum. ADC increases with the use of longer b values, also in corpus callosum [Papinotto et al. MRI 2013;31;827-39] and 3-compartment models may be needed to explain diffusion in cc [Ferizi et al., MRM 2013; in press]. Specofic comments; p6, 2nd par: replace "...techniques ...PET, ...MRI, fMRI..." with: "MRI techniques including fMRI..." Fig.1: replace this image by one with a better spatial resolution.

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Title: FUNCTIONAL TOPOGRAPHY OF THE CORPUS CALLOSUM INVESTIGATED BY DTI AND fMRI

Reviewer code: 00685045

Science editor: Fang-Fang Ji

Date sent for review: 2014-05-29 22:47

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CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	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"/> Existing	<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 checked="" 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"/> Existing	<input checked="" type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

COMMENTS TO AUTHORS

In this review the authors discuss the organization of the corpus callosum focusing on primary functions such as vision, audition and somatosensation. The manuscript was well written. I have the following comments. My major concern is that it was not obvious to me what is the unique contribution of this work to the literature. Specifically, how is the current report different from previous work by the authors (e.g., as cited in Fig. 3)? I would like to know how was the literature searched for the review? How were articles selected? Perhaps a table summarizing these studies (e.g., function and corpus callosum location) will be helpful for the reader. The manuscript was also lacking theoretical reference. Is there a theoretical framework these findings support? For example, does the organization of anterior/posterior regions of the corpus callosum present an expected organization signature? Minor comments: 1. Page 4 "Myelination is believed to proceed..." Please provide a reference. 2. Page 11 Typo: "Final remarques" should be remarks. 3. Fig. 1: Please identify in the caption what number 1-7 refer to. Could you provide an image with a higher resolution? 4. Fig. 2: Please refer to the source of these data.