

PEER-REVIEW REPORT

Name of journal: *World Journal of Psychiatry*

Manuscript NO: 79468

Title: Morphological changes in Parkinson's disease based on magnetic resonance imaging: A mini-review of subcortical structures segmentation and shape analysis

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 04543416

Position: Peer Reviewer

Academic degree: MD

Professional title: Chief Doctor, Professor

Reviewer's Country/Territory: Turkey

Author's Country/Territory: China

Manuscript submission date: 2022-08-23

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-08-24 20:22

Reviewer performed review: 2022-08-27 16:55

Review time: 2 Days and 20 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No



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Peer-reviewer statements	Peer-Review: [<input checked="" type="radio"/>] Anonymous [<input type="radio"/>] Onymous Conflicts-of-Interest: [<input type="radio"/>] Yes [<input checked="" type="radio"/>] No
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SPECIFIC COMMENTS TO AUTHORS

Dear Authors, It has been a comprehensive review of the volume and shape changes of strategic brain structures that may be associated with Parkinson's disease and its symptoms. However, several different sources can be added to the discussion in that it includes different study results (for example, Volumetric analysis of the subthalamic and red nuclei based on magnetic resonance imaging in patients with Parkinson's disease. Int J Neurosci. 2014 Apr;124(4):291-5. doi : 10.3109/00207454.2013.843091). Also, some mention of studies with 7 tesla and discussing their difference or superiority, if any, with studies with lower tesla power (for example, Prefrontal and hippocampal atrophy using 7-tesla magnetic resonance imaging in patients with Parkinson's disease. Oh BH, Moon HC, Kim A, Kim HJ, Cheong CJ, Park YS. Acta Radiol Open. 2021 Feb 24;10(2):2058460120988097.). Best regards...

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Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 04551037

Position: Editorial Board

Academic degree: MD, MSc

Professional title: Associate Professor

Reviewer's Country/Territory: Turkey

Author's Country/Territory: China

Manuscript submission date: 2022-08-23

Reviewer chosen by: Dong-Mei Wang

Reviewer accepted review: 2022-10-04 14:08

Reviewer performed review: 2022-10-08 12:48

Review time: 3 Days and 22 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No



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SPECIFIC COMMENTS TO AUTHORS

1. Core tip should not be a brief summary, it should emphasize the most important facts about the subject of the review, please revise. 2. I could not find satisfactory information about the frontal lobe. I suggest some current literature, please see and cite,
a. <https://www.nature.com/articles/s41467-022-28087-0> b.
<https://www.frontiersin.org/articles/10.3389/fnagi.2022.806026/full>