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PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 51165

Title: A prospective study on the relationship between A β 1-42, thyroid hormone levels and the risk of cognitive impairment after ischemic stroke

Reviewer's code: 02855471

Position: Peer Reviewer

Academic degree: FEBG, MD, PhD

Professional title: Professor, Research Scientist, Senior Scientist

Reviewer's country: Germany

Author's country: China

Reviewer chosen by: Jin-Lei Wang

Reviewer accepted review: 2019-10-15 00:15

Reviewer performed review: 2019-11-04 01:02

Review time: 20 Days

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input checked="" type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input checked="" type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS



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Epidemiological data show that more than half of stroke patients have different degrees of post-stroke cognitive impairment, and about one-third of patients develop severe post-stroke cognitive impairment or even dementia at 3 months after onset of the disease, but there is no specific treatment for this disease. Early detection and intervention of post-stroke cognitive impairment has become an important and urgent social need. Recent researches have found that post-stroke cognitive impairment is closely related to the core pathological changes of Alzheimer's disease, suggesting that both may have common diagnostic biomarker. However, little research has been done on the relationship between A β , thyroid hormone levels and post-stroke cognitive impairment, and further studies are needed to identify the value of these indicators assessing the risk of cognitive disorders after acute ischemic stroke. In this study, the authors analyze the relevant indicators of patients with acute cerebral infarction, and to clarify the correlation between each index and post-stroke cognitive impairment. The study is designed well. Totally 195 patients with acute cerebral infarction were included. The inclusion criteria and exclusion criteria are clear and reasonable. The follow-up data are good. As the authors stated, the follow-up time is somewhat shorter, hope to read further studies about this topic. Minor comments: 1. Some minor language polishing should be corrected. 2. The tables are good, however, the structure of the table 1 should be improved. 3. References are updated, if the discussion can be shorten, it will be better.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No



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BPG Search:

- ☐ The same title
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- ☐ Plagiarism
- ☐ No

PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 51165

Title: A prospective study on the relationship between Aβ1-42, thyroid hormone levels and the risk of cognitive impairment after ischemic stroke

Reviewer's code: 02855784

Position: Peer Reviewer

Academic degree: FACC, MBChB, MD, PhD

Professional title: Professor, Research Scientist, Senior Lecturer

Reviewer's country: United Kingdom

Author's country: China

Reviewer chosen by: Jin-Lei Wang

Reviewer accepted review: 2019-10-15 00:16

Reviewer performed review: 2019-11-04 01:04

Review time: 20 Days

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input checked="" type="checkbox"/> Minor revision	topic of the manuscript:
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			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
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Very interesting topic of A β 1-42, thyroid hormone levels in the ischemic stroke. The manuscript is well written. The results are interesting and well discussed. I have no special comments.

INITIAL REVIEW OF THE MANUSCRIPT

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- ☐ Plagiarism
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BPG Search:

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- ☐ Plagiarism
- ☐ No