

PEER-REVIEW REPORT

Name of journal: *World Journal of Psychiatry*

Manuscript NO: 86665

Title: Analysis of mental health status and related factors in patients with acute cerebral infarction

Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06520672

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: United States

Author's Country/Territory: China

Manuscript submission date: 2023-08-08

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-08-14 00:26

Reviewer performed review: 2023-08-21 08:26

Review time: 7 Days and 7 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 Grade E: Do not publish
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
Creativity or innovation of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation

Scientific significance of the conclusion in this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
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
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous
	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

In recent years, research on acute cerebral infarction has not only focused on the effects of the infarction on the body, but also the psychological effects. In this study, authors analyzed the factors affecting the mental health of patients with ACI by questionnaire survey of 220 patients with ACI, hoping to find out the key factors affecting the mental health. They found that long disease course may be the main factor leading to psychological problems in patients, and female patients with a high incidence of emotional disorders are more likely to have psychological problems. Such groups require more attention and psychological counseling. The experiment of the study is designed very well, aims are very clear. Methods are reasonable. Data in tables are very good, and well discussed. Finally, the manuscript also reviewed previous related literature. However, for effects of demographic sociological characteristics on mental health and Effects of ACI on mental health, Information that is not important (e.g., the difference is not statistically significant) may no longer be described in the text. Results have clearly presented in Tables 4 and 5.

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Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 07746784

Position: Peer Reviewer

Academic degree: PhD

Professional title: Associate Professor

Reviewer's Country/Territory: Italy

Author's Country/Territory: China

Manuscript submission date: 2023-08-08

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-08-11 01:26

Reviewer performed review: 2023-08-21 09:07

Review time: 10 Days and 7 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
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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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous
	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

This study investigated the factors affecting the mental health of patients with ACI. The SAS score and SDS score in the 220 patients with ACI included in this study were statistically significant. The results of univariate analysis showed that gender, age, residence, course of disease, number of chronic diseases and smoking history were the primary elements influencing the anxiety score in patients with ACI. Age, living conditions, monthly income, course of disease and knowledge of ACI were primary elements influencing the depression score in patients with ACI. The study concluded that long disease course and female patients with ACI were more likely to have psychological problems such as a high incidence of emotional disorders. The tables help the readers to make a more understanding of the study; however, some concerns have been noted including: Comments 1: It is not necessary to describe so many results that can be clearly seen in the table. Comments 2: It is suggested that the table can be more optimized, and some contents in the table need to be improved, for example: should the Mean in the first row of table 3 be Mean \pm SD? Comments 3: Please add a description of the limitations of this research.