



PEER-REVIEW REPORT

Name of journal: *World Journal of Psychiatry*

Manuscript NO: 87064

Title: Relationship between primary caregivers’ social support function, anxiety, and depression after interventional therapy for acute myocardial infarction patients

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer’s code: 06521482

Position: Peer Reviewer

Academic degree: MD

Professional title: Assistant Professor

Reviewer’s Country/Territory: Ghana

Author’s Country/Territory: China

Manuscript submission date: 2023-09-05

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-09-10 13:18

Reviewer performed review: 2023-09-12 10:15

Review time: 1 Day and 20 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 Grade E: Do not publish
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

Acute myocardial infarction is often treated with direct coronary intervention and requires home-based rehabilitation. Caregivers with AMI need adequate social support to maintain high-quality care. Bao J et al conducted an observational study on the relationship between primary caregivers’ social support function, anxiety, and depression after interventional therapy for acute myocardial infarction patients, and found the social support function of the primary caregiver of patients with AMI after interventional therapy was lower and negatively correlated with anxiety and depression of the primary caregiver. The paper is written well, the introduction gives a good overview about the study background and the authors raised clearly the hypothesis of the study. The description of material studied is accurate. The aim of the study is fulfilled. Also, the data in the Tables is also very well, but there are many abbreviations used in the table, so it is necessary to note the full name of the abbreviations. I recommend that the manuscript can be published after polishing the English.



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Title: Relationship between primary caregivers' social support function, anxiety, and depression after interventional therapy for acute myocardial infarction patients

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 07746194

Position: Peer Reviewer

Academic degree: PhD

Professional title: Doctor

Reviewer's Country/Territory: Poland

Author's Country/Territory: China

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Reviewer performed review: 2023-09-13 08:19

Review time: 6 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 type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
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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
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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 Observational Study comprehensively analyzed the correlation between the SSRS, SAS, and SDS scores of primary caregivers of patients with AMI who underwent interventional surgery, based on Pearson’s correlation analysis, multiple linear regression, ROC, and AUC, confirming that the social support function of primary caregivers is closely related to anxiety and depression, which is instructive for clinical intervention. This topic is actual and well described. The design of this study is very well. The Results are presented clearly and have been discussed well. Comments 1: Chinese norm is mentioned in this Results, and AMI caregivers are compared with Chinese norm. However, it is not found in the text how the Chinese norm is calculated or how it is obtained, and it is suggested to add. Comments 2. The DISCUSSION describes that "In addition, problems such as side effects of drugs and social discrimination can indirectly lead to primary caregivers' self-isolation... “Can drug side effects affect primary caregivers? Comments 3. as recorded in the section on Investigation methods, “A total of 329 questionnaires were sent out; 306 questionnaires were returned, and 300 effective questionnaires were obtained, with an effective rate of 91.19%”. How is effective rate



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calculated? According to the reviewers, should the recovery rate of questionnaire be 93.01% and the effective rate be 98.04%? Comments 4. The “Standard error a” in Table 7 should be the “Standard error”.