

PEER-REVIEW REPORT

Name of journal: *World Journal of Psychiatry*

Manuscript NO: 86555

Title: Influence of ankle flexion and extension exercises combined with a psychological intervention on negative emotions and activities of daily living in patients with knee osteoarthritis

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 07746651

Position: Peer Reviewer

Academic degree: MD

Professional title: Assistant Professor, Doctor

Reviewer's Country/Territory: Canada

Author's Country/Territory: China

Manuscript submission date: 2023-08-01

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-08-02 08:45

Reviewer performed review: 2023-08-15 08:06

Review time: 12 Days and 23 Hours

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| 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 Grade E: Do not publish |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 |

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| 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

This manuscript investigates the influence of ankle flexion and extension exercises combined with psychological intervention on the psychology and activities of daily living of patients with KO. It's an interesting study; however, I have the following questions and comments: 1. The results of the current text and the Figures provided show the changing trend of each grade. I wonder if the authors could provide specific grades in the study? 2. Several typo and grammar issues should be addressed. For example, in sentence "Therefore, ankle flexion and extension exercises is highly effective in easing negative psychology, enhancing ADL, daily living ability, knee joint function and QoL, and relieving pain and fatigue in KOA patients." is should be are. Sentence "The QoL of KOA patients in two groups was evaluated by the SF-36 scale." was should be were.

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Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 07746893

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Associate Professor, Researcher

Reviewer's Country/Territory: Canada

Author's Country/Territory: China

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| 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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| 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 type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance |
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| 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

There are few studies on the clinical application of ankle flexion and extension exercises combined with psychological intervention in KOA. In this study, the authors aimed to clarify the effect of ankle flexion and extension exercise combined with psychological intervention on psychological and ADL in patients with KOA. The authors comparatively analyzed the psychological status, ADL, knee joint function, pain, fatigue, and quality of life of the control group and research group. The results showed that ankle flexion and extension exercises is highly effective in easing negative psychology, enhancing ADL, daily living ability, knee joint function and QoL, and relieving pain and fatigue in KOA patients, which is worthy of clinical promotion. The study design is reasonable, and the results reflects the conclusion as well. I recommend its acceptance after the minor revision. The detailed comments: -a. The abstract needs to be modified, and a structured summary with clear background, purpose, method, results and conclusions of the study

is needed. -b. Please add in the Materials and Methods: Was it approved by the Ethics Committee? -c. In the first paragraph of Materials and methods, it is mentioned that: The two patient groups did not differ much in baseline data and had clinical comparability($P>0.05$). This is repeated with the description of the first part of the results Analysis of baseline data of KOA patients in two groups. -d. The results section can be presented in more detail.