

Peer Review File

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Review Comments

The manuscript addresses a significant issue in the management of post-mastectomy pain syndrome (PMPS) and provides a comprehensive review of current preventive and therapeutic strategies. The discussion on the effectiveness of psychosocial interventions, such as mindfulness and yoga, offers valuable insights. However, there are several areas that require improvement to enhance the overall quality of the manuscript:

Abstract and Introduction:

Comment 1: The abstract should provide more specific details on the methodologies used in the literature search and the main findings.

Reply 1: I have added the details on the methodologies and revised the key contents and findings in the abstract. (see Page3, line 8-15).

Comment 2: The introduction could benefit from a clearer explanation of the scope of the review and the specific gaps it aims to address.

Reply 2: I have added the description of the scope and the specific gap regarding the management of PMPS based on your comments (see Page 5, line 7-10).

Methodology:

Comment 3: The literature search strategy and selection criteria should be detailed more explicitly in the main text, not just in the supplementary appendix.

Reply 3: Thank you for your suggestion. I have added search strategy and selection criteria in the Method section (see Page8, line 10-13, line 17-21).

Comment 4: Clarify the rationale behind the selection of certain psychosocial

interventions and the exclusion of others.

Reply 4: I have added the specific inclusion and exclusion criteria for studies (see Page 8, line 22-Page 9, line 3).

Discussion:

Comment 5: The discussion on the effectiveness of psychosocial interventions is based on limited studies. It would be beneficial to elaborate on the limitations of these studies and suggest areas for future research.

Comment 6: The manuscript could include more critical analysis of the findings from the selected studies, highlighting any methodological weaknesses or biases.

Reply 5,6: I described the limitation and potential methodological biases (see Page 11, line 1-7) .

Tables and Figures:

No comments.

Conclusion:

Comment 7: The conclusion should provide a more robust synthesis of the reviewed evidence and offer clear, actionable recommendations for clinical practice and future research.

Reply 7: Thank you for the suggestion. Actually, evidence is insufficient and no intervention can be strongly recommended to patients. Therefore, I have added the following descriptions;

“Therefore, clinicians should consider incorporating these psychosocial strategies into PMPS management plans, while researchers should continue exploring and refining these approaches to improve the quality of life for breast cancer survivors.”