

Reviewer #1:

Scientific Quality: Grade B (Very good)

Language Quality: Grade B (Minor language polishing)

Conclusion: Minor revision

Specific Comments to Authors: The authors made a questionnaire survey on the clean operating department nurses to explore the mediating role of life satisfaction in the influence of resilience on depression among nurses in clean operating rooms can help improve nursing services and teamwork. After reasonable setting questions in the questionnaire, the authors showed that life satisfaction had a partial mediating role between resilience and depression among nurses in a clean operating department, suggesting that hospitals should not only increase the resilience of medical staff in the face of adversity but also promote the mental health level of this group by improving their life satisfaction. In short, the topic of this manuscript is timely and interesting. The authors have organized the manuscript rationally, with good methodology and well-written English. However, some important editing needs to be done before publication: 1) In Figure 1, the upper lower images both showed an arrow from resilience to depression, but the Beta values are different in the two images. This is somehow confusing for the readers. 2) In Table 1, the authors showed sociodemographic characteristics and their differences among primary variables. I wonder whether it is possible to see the effects of one or more of these variables on the mental health level of participants?

1) In this study, the steps of mediating effect test were as follows: In the first step, psychological resilience was taken as the independent variable and depression as the dependent variable for linear regression analysis. The prediction effect of this step was significant, so the second step test was continued. In the second step, linear regression analysis was carried out successively to test the independent variable psychological resilience. The regression coefficients of the dependent variable life satisfaction, the independent variable life satisfaction and the dependent variable depression were all significant, indicating that the influence of psychological resilience on depression was at least partially realized through the intermediary variable depression, and the third step test could be continued. The regression coefficient after the introduction of the mediating variable depression is significant, indicating that the influence of psychological resilience on psychological resilience is only partially mediated by the mediating variable life satisfaction. Therefore, the two Beta values have different data.

2) Multifactor analysis has been added to the article.

Reviewer #2:

Scientific Quality: Grade C (Good)

Language Quality: Grade B (Minor language polishing)

Conclusion: Minor revision

Specific Comments to Authors: Recently, the psychological health of nursing staff in clean operating department has received increasing attention, which is necessary for hospitals

to provide surgical procedures and treat critically ill patients, and the workload is closely related to the number and difficulty of operations. In this study, the authors aimed at investigating the mediating role of life satisfaction in the effects of resilience on depression and to provide a scientific basis for improving resilience, increasing life satisfaction, and reducing the occurrence of depression. The authors used questionnaire survey and analytic methods to verify their hypothesis. The results showed that life satisfaction partially mediates the link between resilience and depression among nurses in clean operating departments. So, in my opinion, this paper is well-written. The experimental design is reasonable, and the results reflects the conclusion as well. I recommend its acceptance after the minor revision. The detailed comments are: 1. In this study, the authors listed various variables of the participants, including gender, age, marital status, position, length of service, et al. In my opinion, the family status also affects the mental status of participants, such as having children or not. Did the author consider family status as a variable in the consideration? 2. From the nice work, what advices can the authors give to nursing staff in clean operating department to improving their mental status?

1) The shortcoming of this study is that it did not conduct a more in-depth analysis of the personal situation of nurses in the clean surgery department. We will add factors such as family status, specific work content and whether they are responsible for clinical teaching work into the subsequent study to conduct a more in-depth analysis, and discuss the influence of other psychological factors on the psychological resistance of nurses in the clean surgery department.

2) In view of the psychological status of nurses in the operating room, hospitals should regularly carry out psychological and physiological assessment activities for nurses in the operating room, understand the source of stimuli and the causes of nurses' depression, and carry out targeted intervention measures to help nurses decompress psychologically, relieve fatigue and boredom, and improve their life satisfaction and psychological resilience. At the same time, the hospital should further deepen the reform of management mode, establish the professional ethics of medical staff, stimulate the enthusiasm and standardization of nurses' work, and create a good working atmosphere. In addition, we suggest that the hospital actively take targeted intervention measures to optimize the

working state of nurses by improving their psychological quality and mental resilience, and finally improve their life satisfaction. For example, experts are invited to hold lectures regularly, and nurses are trained to endure hardships and overcome setbacks through practical experience or typical cases. Psychological lectures, cognitive behavior intervention, relaxation training and other activities were carried out for nurses to help them improve their physical and mental state, psychological resilience and life satisfaction.