

### **Science editor**

**Question:** Through the questionnaire, the author determined that education, exercise, all kinds of insomnia, habits one hour before going to bed, diagnosed depression and coronary heart disease will affect depression. Respected authors, this is a well written paper and covers an interesting topic. Some suggestions: 1. The author's picture can be modified. I think it's best to have a modified version. 2. For the theme and purpose of the manuscript, the sample size and coverage population are still too small. Language Quality: Grade B (Minor language polishing) Scientific Quality: Grade A (Excellent)

**Answer:** Thanks for the science editor' suggestions on our study. 1. According to the instruction of WJP, we submit the figures which can be modified. 2. Although the sample size is relatively small, we have systemically analyzed the relationship of relationship of depression and sleep quality, diseases and general characteristics, and we have added the sample size may affect the results in the Discussion section, more sample and multi-center study should be performed in the future study.

### **Company editor-in-chief**

**Question:** I have reviewed the Peer-Review Report, full text of the manuscript, and the relevant ethics documents, all of which have met the basic publishing requirements, and the manuscript is conditionally accepted. I have sent the manuscript to the author(s) for its revision according to the Peer-Review Report, Editorial Office's comments and the Criteria for Manuscript Revision by Authors. Please provide decomposable Figures (in which all components are movable and editable), organize them into a single PowerPoint file. Please authors are required to provide standard three-line tables, that is, only the top line, bottom line, and column line are displayed, while other table lines are hidden. The contents of each cell in the table should conform to the editing specifications, and the lines of each row or column of the table should be

aligned. Do not use carriage returns or spaces to replace lines or vertical lines and do not segment cell content. Please check and confirm whether the figures are original (i.e. generated de novo by the author(s) for this paper). If the picture is 'original', the author needs to add the following copyright information to the bottom right-hand side of the picture in PowerPoint (PPT): Copyright ©The Author(s) 2022.

**Answer:** Thanks, we have checked the figures are original and decomposable. And the table are standard three-line

### **Reviewer 1**

**Question:** In the introduction part of the article, the purpose of the article should be strengthened a little more with the information in the literature.

**Answer:** Thanks for the reviewer' suggestion. We revised the purpose of this study from "In our study, by the questionnaire designed by our team, which included a depression evaluation, a sleep quality evaluation, general characteristics, diagnosed disease status, and so on, with a total of 56 items, we aimed to investigate the relationship between the designed questionnaire items and depression and analyze the factors related to depression. Finally, we hope that our study may provide theoretical support to improve and manage depression, prevent suicide, and reduce the recurrence of depression." to "In our study, by the questionnaire designed by our team, which included a total of 56 items, we aimed to investigate the relationship between the designed questionnaire items and depression and analyze the factors related to depression."

### **Reviewer 2**

**Question:** Discussion "Some studies have shown that the number of years of education were associated with the recurrence of depression, and the shorter the years of education, the greater the possibility of depression recurrence..."

Please cite these studies Conclusions "We demonstrated that education, exercised, kinds of insomnia, habit of 1 hour before bed, diagnosed depression and coronary heart disease affect the depression..." please correct exercise

**Answer:** Thanks for the reviewer' suggestions. First, we have added the related references as 23 and 24 which showed below in the Discussion section. Second, we have revised the exercised to exercise.

Reference

23 Preventing recurrent depression: long-term treatment for major depressive disorder. *Prim Care Companion J Clin Psychiatry* 2007; 9(3): 214-223 [PMID: 17632654 PMCID: PMC1911177]

24 Burcusa SL, Iacono WG. Risk for recurrence in depression. *Clin Psychol Rev* 2007; 27(8): 959-985 [PMID: 17448579 PMCID: PMC2169519 DOI: 10.1016/j.cpr.2007.02.005]

### Reviewer 3

**Question:** This is an interesting study about the relationship of depression and sleep quality, diseases and general characteristics. The study is well performed, and the results are well displayed. The reviewer recommends to accept this manuscript after a minor editing of the language.

**Answer:** Thanks for the reviewer' comments. We have carefully revised the language errors in the manuscript.

### Reviewer 4

**Question:** The main clinical manifestation is depression, which is not commensurate with the situation. It can range from sullenness to grief and even stupor. Some patients will have obvious anxiety and motor agitation. In severe cases, psychotic symptoms such as hallucinations and delusions may occur. Some patients suffer from self-injury, suicidal behavior, and even death. Depressive disorders have a high prevalence and high disease burden, but the treatment rates are low, with less patients receiving effective treatment in many

countries; however, the medical prevention and treatment of depression still has a low recognition rate. The most common sleep disorder associated with depression is insomnia. Insomnia and depression are closely related and share a bidirectional relationship with each other. The relationship between marital status and sleep in women with depression showed that marital status was related to sleep efficiency. Married women had better sleep quality and significantly lower sleep delay than unmarried women. In this study, the authors investigated the relationship between the designed questionnaire items and depression and analyze the factors related to depression. The study is very well designed. The questionnaire is interesting and reasonable. The results are interesting and well discussed. After a minor editing, this study can be accepted for publication. Thank you.

**Answer:** Thanks for the reviewer' comments on our study. According to the suggestion, we have carefully checked the manuscript and revised the minor errors in the manuscript.

### **Reviewer 5**

**Question:** This is a well designed study of the depression and sleep quality. The manuscript is very well written. No special comments.

**Answer:** Thanks very much for the comments on our study.