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Reviewer #1:

Specific Comments to Authors: The title reflects the main subject of the manuscript. The abstract summarizes and reflects the work described in the manuscript. However, the background section needs to be re-written. This part of the current manuscript is not written research background, but the purpose of the study. The key words reflect the focus of the manuscript. The manuscript adequately describes the background, present status, and significance of the study. The manuscript describes methods in adequate detail. The research objectives achieved by the experiments are used in this study. The manuscript interprets the findings adequately and appropriately, highlighting the key points concisely, clearly and logically. The findings and their relevance to the literature are stated in a clear and definite manner. The discussion is accurate and it discuss the paper's scientific significance and relevance to clinical practice sufficiently. The manuscript is well, concisely and coherently organized and presented. The style, language and grammar are accurate and appropriate. Thank you for a useful and important synopsis of this important topic.

Thank you very much for your comments on our manuscript. We have made changes to the BACKGROUND.

Reviewer #2

Specific Comments to Authors: The manuscript is a retrospective study, the author prepared the manuscript according to the appropriate research methods and reporting. They investigated the independent risk factors for depression in elderly patients with CKD receiving peritoneal dialysis and provided a clinical basis for preventing depression in these patients in the future. The mental status of the 170 CKD patients who received peritoneal dialysis was assessed using BDI-I, SAS Anxiety Inventory Score, and PSQI scores. Logistic regression was also performed to analyze and explore the independent risk factors contributing to depression in the patients. Authors found that years of education, BDI-II, SAS, PSQI, DM, and CVD are independent risk factors for depression in elderly CKD patients; therefore, preventive measures and targeted interventions should be implemented to mitigate the risk of depression, particularly in high-risk individuals. Further research is needed to validate these findings and develop comprehensive strategies for preventing and managing depression in this population. The introduction gives a good overview about the topic and the procedures are precisely described. The manuscript cites appropriately the latest, important and authoritative references in the introduction and discussion sections. However, some issues have to be addressed: 1. In the material and metho, it is not stated which hospital the patient originated from; 2. The study population in this study is the elderly, and it is suggested to supplement "elderly patients" in the keywords; 3. The authors should provide the



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ethical statement in the manuscript; 4. Abbreviations in the Tables should include the full name in the comments.

1. We have added the name of the hospital where the patient originated from in the material and methods section.

2. We have added “elderly patients” in the keywords as suggested.

3. We have provided the ethical statement in the manuscript.

4. We have included the full name of the abbreviations in the tables in the comments.