

Reviewer #1:

**Scientific Quality:** Grade C (Good)

**Language Quality:** Grade B (Minor language polishing)

**Conclusion:** Minor revision

**Specific Comments to Authors:** Review to the manuscript 81998 "Clinical study on the effect of Modified ShengYangYiwei Decoction on painless gastroscopy and gastrointestinal and immune function in gastric cancer patients" Gastric cancer remains a serious medical, social and economic problem due to high incidence rates, late diagnosis and high mortality. Painless gastroenteroscopy is of great significance in the clinical diagnosis, treatment, and follow-up review of gastric cancer patients. Performing a painless gastroscopy is often accompanied by complications such as dizziness, agitation, nausea, vomiting, headache, and fatigue. However, there are not enough studies in the available literature that have studied adverse reactions associated with painless endoscopy, ways to reduce them, and the immune status of patients before and after the study. In this regard, the manuscript presented by the authors, reflecting the results of using ShengYangYiwei Decoction during painless gastroscopy in patients with gastric cancer, is of undoubted interest. At the same time, there are a number of remarks that need to be corrected. Manuscript title The title is over 18 words. Authors may shorten the title of the manuscript by deleting "Clinical study on". Abstract Abstract needs to be brought into line with the requirements of the journal. It should include 5 sections: Background, Aims, Methods, Results, and Conclusion. In the Methods section, please specify basic study design. The Results section should include the values of the studied indicators in both groups of patients, and not only in the group of patients receiving ShengYangYiwei Decoction. Alternatively, the authors may not give specific values of the indicators, indicating only the significance levels confirming the validity of the differences between the groups, as, for example, they noted in the following sentence "During the examination, the incident of hypoxemia, hypotension and hiccups in the treatment group was significantly lower than that in the control group ( $P < 0.01$ ).". The Conclusion section should be shortened to 30 words, as required by the journal. Key words: change the unfortunate keyword " Patients with gastric cancer". Core tip. The journal requires authors to submit this section. Main text of the manuscript. 1. According to the requirements of the journal, the authors need to highlight the following sections of the manuscript: Introduction, Materials and methods, Results, Discussion, Conclusion, Acknowledgments, and References. 2. Introduction it is desirable to end with the formulation of the purpose of the study. 3. Perhaps there is a misprint in "The inclusion criteria", namely: ③ no indication for gastroscopy. 4. It is necessary to indicate the purpose for which painless gastroscopy was performed in both groups of patients. This is important, since the results of diagnostic or therapeutic manipulations will differ. 5. It should indicate where the study was conducted. 6. Treatment methods. 2.2. It should be indicated that patients took Modified ShengYangYiwei Decoction and at what time. It is more logical to list the composition of the decoction in the Materials and Methods section. It is not entirely clear what "began oral addition, subtraction" means, if possible, explain this. 7. In the

“Observation indicators” section, write methods for determining “T-cell subsets and inflammatory levels” 8. Statistical methods. Indicate methods for assessing the distribution of indicators in groups to justify the use of Student's t test. 9. Results. authors in the Results again give the values of the indicators only in the experimental group. It should be noted that the numerical values of the indicators are given in the tables and they can not be duplicated in the main text, noting only the significance of differences in groups. 10. Carefully check the sentence “The operation time of gastroscopy was 4-6 min, without any obvious difference ( $P > 0.05$ ); the awakening time of the treatment group was  $3.26 \pm 0.27$  min and 0.26 min, ...”. Probably the authors missed part of the text, namely, "self-ambulation time" and its average value. 11. Table 3. 22 cases of hypotension out of 56 patients - this is 39.3%, and not 10.54%, as in the text. It follows from this that the hypoxemia in the group of patients who took Modified ShengYangYiwei Decoction was higher than in the control group or is there a typo? 12. Carefully check the text in section "3.4 Immune cell numerical at different times". N D K cells? Also, the sentence "Comparing the two groups, the CD4+ and CD8+ cells were higher at T1 and T2 ( $P < 0.05$ ) and NK cells ( $P < 0.05$ )" is probably missing text. 12. "Note" in tables 5 and 6 are difficult to read. 13. Discussion. It is not clear which method is referred to in the following sentence: "Wang Wei[16] found that the application of blood circulation, and the scattered knot method....". This should be explained. 14. There may be typos in these sentences: “It may be that the treatment with Shengyang Yiwei Decoction reduced the dose of propofol or  $\beta$ -. The increase in endorphin secretion is related to [20], which deserves further study.” 15. Authors should proofread the text of the manuscript carefully, as it contains a number of errors, possibly of a technical nature. In general, the results obtained are interesting and relevant, well substantiated in the discussion. I believe that after correcting the relevant comments, the manuscript can be published.

SuiCai-Mi: Thank you for your careful guidance. I have revised and supplemented everything according to your suggestions. Please review.

Reviewer #2:

**Scientific Quality:** Grade B (Very good)

**Language Quality:** Grade B (Minor language polishing)

**Conclusion:** Accept (General priority)

**Specific Comments to Authors:** Dear Editor, 1. The manuscript, World Journal of Gastroenterology-2022-81998, is within the scope of the journal. 2. I am pleased to inform you that the manuscript, World Journal of Gastroenterology-2022-81998 can be accepted for publication in World Journal of Gastroenterology.

SuiCai-Mi: Thank you for your careful guidance.