Reviewer #1:

Scientific Quality: Grade B (Very good)

Language Quality: Grade B (Minor language polishing)

Conclusion: Minor revision

Specific Comments to Authors: This study established a prediction system for predicting poor survival in patients with lung cancer. The differential analysis of all screened genes, weighted gene co-expression network analysis was performed to analyze hub genes related to patient survival. Overall the study is interesting. The figures should be updated with high quality images.

Thanks for your comments. We have provided high quality images in new version.

Reviewer #2:

Scientific Quality: Grade C (Good)

Language Quality: Grade B (Minor language polishing)

Conclusion: Minor revision

Specific Comments to Authors: Many factors have an aberrant effect on the overall survival of lung cancer patients. In recent years, remarkable progress has been made in immunotherapy, target treatment, and promising biomarkers. However, the available treatments and diagnostic methods are not specific for all patients. Identifying new diagnostic and therapeutic biomarkers for cancer treatment is urgent. This study combined the WGCNA algorithm with DEGs to identify pivotal genes associated with clinicopathological characteristics and to provide insights into targeted therapy of lung cancer. The study is very well designed and the results are very interesting. The data in tables and figures are very good. However, the limit of the study was not discussed. Please make a short discuss about the limit of the study. And a minor editing is required.

Thanks for your suggestion. We have added the limit of the study in DISCUSSION.

(1) Science editor:

This manuscript try to established a prediction system which could predicting poor survival of lung cancer patients. The study is well designed and the results are valuable. However, the limitation of this study need to be discussed. Moreover, Please try to add more references and give a sufficient discussion if possible.

Language Quality: Grade B (Minor language polishing)

Scientific Quality: Grade C (Good)

Thanks for your suggestion. We have added discussion and high quality figures in new version.

(2) Company editor-in-chief:

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 of the World Journal of Clinical Cases, 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 the original figure documents. Please prepare and arrange the figures using PowerPoint to ensure that all graphs or arrows or text portions can be

reprocessed by the editor. In order to respect and protect the author's intellectual property rights and prevent others from misappropriating figures without the author's authorization or abusing figures without indicating the source, we will indicate the author's copyright for figures originally generated by the author, and if the author has used a figure published elsewhere or that is copyrighted, the author needs to be authorized by the previous publisher or the copyright holder and/or indicate the reference source and copyrights. 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. 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.

Thanks for your suggestion. We have added PPT file in new version.