

## Peer Review File

Article information: <https://dx.doi.org/10.21037/jtd-23-1899>

### Reviewer A

The reviewed paper is a retrospective study made using the data from a multicenter database. Aiming to identify the best treatment for localized SCLC using OS and specific lung cancer survival multiples subgroups are created and analyzed.

In my opinion the paper is difficult to read and to follow. There are too many bales and they are too big to properly sintetice information. Images with more than 15 KM curves are not rapidly interpretable. It all makes the main objective fade

**Reply: Thanks for your comments. In this study, we compared the effects of different treatment modalities (7) on the prognosis of SCLC patients under different stages (stage I, II, IIIa) and analyzed the possible influencing factors (15), so these images could be necessary for interpretation. In addition, we have polished the manuscript.**

**Changes in the text: please see Page 2, line 8; Page 3, lines 14-16 and 22; Page 4, lines 1-2 and 18-22; Page 5, lines 1-3 and 19; Page 6, lines 3-22; Page 7, lines 1-3; Page 8, lines 1-2, 10, 14-15, 19 and 21; Page 9, lines 6-11 and 14-20; Page 10, lines 9-18.**

### Reviewer B

Congratulations to the authors for the work done. Interesting topic and great statistical work. we intend to review a therapeutic approach to SCLC that is perhaps not entirely correct at least in stage I. Despite the limitations exposed, it certainly provides inspiration for in-depth studies and further studies

**Reply: Thanks for your comments. In a previous version of the manuscript, we described the impact of different treatment modalities on the prognosis of patients with stage I SCLC, which is on page 2, line 22.**

### Reviewer C

The authors reported outcomes of treated SCLC according to the stage and treatment based on the SEER database.

I have some comments:

- did the authors compared clinical stage in all cases or did they compared clinical stage for those receiving systemic treatment and radiotherapy and pathological stage for those receiving surgery?

**Reply: Thanks for your comments. We compared clinical stage in all cases.**

**Changes in the text: Please see Page 4, lines 15-17.**

- authors should shorten the result part

**Reply: Thanks for your suggestion. We have shortened the result part.**

**Changes in the text: Please see Page 6.**

- References should be implemented

**Reply: Thanks for your suggestion. We have updated references.**

**Changes in the text: Please see Page 12-14.**