

## Peer Review File

Article information: <https://dx.doi.org/10.21037/jgo-23-16>

### Review comments-Reviewer A

1. Responds to comment: What are the factors that affect the treatment effect? It is recommended to add relevant contents.

Response: Thank you for your question. Are the major factors affecting the effects of the quality of drug distribution, so the injection begin with deep, injection and push pin to tumors had shallow. Injection should be multi-point injection, injection, multiple directions and rotation can be slowly lift needle handle, make the average distribution of the drug in tumors.(120-123)

2. Responds to comment: Figures 7, 9, 16 and 17 all describe A, B, C, D, etc. in figure legends, but they are not marked in the figures. Please check carefully and correct them.

Response: Thank you for your question. We have marked in the figures.

3. Responds to comment: The follow-up time of ultrasound in this study is relatively short. What is the reason for choosing this time? Why not observe for a long time? It is recommended to add relevant contents.

Response: Thank you for your question. Select the follow-up time (nal grayscale ultrasonography was carried out) is according to (4) the ultrasound follow-up time(129-130)

4. Responds to comment: The introduction part of this paper is not comprehensive enough, and the similar papers have not been cited, such as “The efficacy of laparoscopic lauromacrogol sclerotherapy in the treatment of simple hepatic cysts located in posterior segments: a refined surgical approach, PMID: 33065797”. It is recommended to quote this article.

6. What other diseases can be better treated by lauromacrogol injection under ultrasound guidance? It is suggested to add comparative analysis in the discussion

Response: Thank you for your question. Later, it was clinically used as a sclerosing agent in some diseases and had an excellent effect, Such as : Ultrasound-guided polidocanol for symptomatic giant hepatic cyst ; ultrasound-guided sclerosant injection for cesarean scar pregnancy;Low-dose sclerotherapy with lauromacrogol in the treatment of infantile Hemangiomas;The efficacy of laparoscopic lauromacrogol sclerotherapy in the treatment of simple hepatic cysts(294-298)

5.Responds to comment:Some figure legends are relatively simple, please describe them in detail.

Response: Thank you for your question.We have describe them in detail.

7.Responds to comment:Some figures can be integrated, which may be more in line with the requirements of the magazine.

Response: Thank you for your question. Some figures were integrated.

We tried our best to improve the manuscript and made some changes in the manuscript. These changes will not influence the content and framework of the paper. And here we marked the revised portion in red in the article. We look forward to hearing from you regarding our submission. We would be glad to respond to any further questions and comments that you may have.

#### **Review comments-Reviewer B**

1. What are the factors that affect the treatment effect? It is recommended to add relevant contents.

Response: Thank you for your question. Are the major factors affecting the effects of the quality of drug distribution, so the injection begin with deep, injection and push pin to tumors had shallow. Injection should be multi-point injection, injection, multiple directions and rotation can be slowly lift needle handle, make the average distribution of the drug in tumors.(120-123)

2. Your Running title is too long with 72 characters. Please shorten it within 60 characters including spaces.

Response: Thank you for your question. We have modified into ultrasound-guided sclerotherapy for tumors

4. Please check the below Keyword. You choose it as a Keyword but it cannot be found in the main text

Response: Thank you for your question. We have deleted implantation

5. The word “RAF” is wrong.

Response: Thank you for your question. We have modified into RFA

6. There is no author from “Taizhou Jianyouda Biomedical Technology Co., Ltd.”, but ethics approval was conducted here. Please kindly explain and provide the certificate of ethical approval to us.

Response: Thank you for your question. We can provide the certificate of ethical approval to you. The certificate of ethical approval please see the attachment.

7. Reference 3 and 8 are duplicate references in your Reference list. Please check and revise.

Response: Thank you for your question. We have been revised.

8. Please check if any more references need to be added in the below sentence since you mentioned “Studies”, but only one reference was cited. If not, “studies” should be changed to “a study/a previous study”.

Response: Thank you for your question. We have been modified into a previous study

9. Please indicate the meaning of “H&E” in Figures 9-15 legend.

Response: Thank you for your question. We have indicated the meaning of “H&E” in Figures 9-15 legend

10. Responds to comment: Figure 15 legend is inconsistent with your main text. Please check.

Response: Thank you for your question. It should be 1-fold

11. Figure 11-12:

- 1) Please indicate the staining method in Figure 11-12 legends.
- 2) Please check whether the magnification  $\times 40$  is correct in Figure 12.

Response: Thank you for your question.

- 1) Use EnVision two-step dyeing;
- 2) the magnification  $\times 40$  is correct

12. Some Figures can be integrated, which may be more in line with the requirements of the magazine. For example, Figure 10-15 can be integrated as one Figure, Figure 10A, B, C, D, E, F.

:

Response: Thank you for your question: We have integrated Figure 10-15 as one Figure, Figure 10A, B, C, D, E, F.

13. Regarding item 19 in the ARRIVE reporting checklist, please provide a statement indicating whether a **protocol** (including the research question, key design features, and analysis plan) was prepared before the study, and if and where this protocol was registered. **Describe this information in both Main Text and Item 19 in the checklist.**

Response: Thank you for your question: A protocol was prepared before the study without registration

14. Please revise your ARRIVE checklist: In the checklist, please **fill the specific Section information**, for example, "Abstract/ 20-22". Filling "N/A" for not applicable items.

Response: Thank you for your question: We have **fill the specific Section information**

15. The below two sentences are grammar mistakes. Please revise.

- 131 same way. **Are the major factors affecting the effects of the quality of drug distribution, so the**
- 132 **injection begin with deep, injection and push pin to tumors had shallow. Injection should be multi-**

306 extremity varicose veins. Later, it was clinically used as a sclerosing agent in some diseases and  
307 had an excellent effect, Such as: Ultrasound-guided polidocanol for symptomatic giant  
308 hepatic cyst; ultrasound-guided sclerosant injection for cesarean scar pregnancy;Low-dose  
309 sclerotherapy with lauromacrogol in the treatment of infantile Hemangiomas;The efficacy of  
310 laparoscopic lauromacrogol sclerotherapy in the treatment of simple hepatic cysts (10-13).

Response: Thank you for your question: We have been revised