

## Response to Reviewers' Comments

We thank the editor and the reviewers for the thorough and detailed review of our manuscript. Please find below a point-by-point response to the reviewers' comments. We have made the changes suggested by the reviewers in our revised manuscript.

Please let us know if there is anything else we can do to improve our manuscript. Thank you once again.

**Reviewer #1:** Thank you for giving me the opportunity to review the manuscript: "Endoscopic Ultrasound Guided Liver Biopsy for Parenchymal Liver Disease by Dr. Shah AR et al. This review about EUS-LB is well written and comprehensive review about this subject. I have no specific comment. Thank you.

- *Thank you for reviewing our manuscript and your kind comments.*

**Reviewer #2:** To Authors This study is a good and interesting presentation of the technical characteristics of the liver biopsy in the historical perspective. In my opinion the study should be improved with the structural organization of the numerous data of the literature, reported along the manuscript only in the discursive form. Moreover should be useful to add a synthetic exhibition of the personal experience on liver biopsy of the Authors. Finally the references are up-to-date, but can be standardized to the international typographic standard. In particular reference n° 25 is incomplete; it's need the journal: N Engl J Med. 2001;344:495-500.

- *Thank you for your reviewing our manuscript and your valuable comments.*
- *We have included a video demonstrating the EUS guided liver biopsy technique.*
- *We have edited the references and made the corrections per your suggestions.*

**Reviewer #3:** It is a well-structured minireview, based on current understanding problem EUS-LB. Indeed, there remains an important role for liver biopsy in the current management of liver diseases despite advancements in noninvasive hepatic assessment. Use of EUS to obtain core biopsy of liver parenchyma occurred with the adaptation of a Tru-Cut needle that could be used through the echoendoscope. To improve the quality of the minireview, I strongly recommend that the authors added description EUS-LB technique. In addition, I suggest to supplement the manuscript with illustrations of the EUS-LB technique. Please bring to the attention to deficiency publications over the past five years (19 - 40,4 %).

- *Thank you for your reviewing our manuscript and your valuable comments.*

- *As per your suggestion, we have included a video demonstrating the EUS guided liver biopsy technique.*
- *We have summarized these deficiencies in the new tables in the revised manuscript.*

**Reviewer #4:** well written manuscript with very important informations. However, i have some comment if possible: 1. Conclusion section is too long 2. If possible to compare advantages as disadvantages of percutaneous and EUS guided biopsy in table for easier comparison 3. If possible to add figure for standard biopsy core also

- *We sincerely thank you for performing a detailed and thorough review of our manuscript and for your valuable comments/suggestions.*
- *Conclusion has been shortened to as per the reviewer's suggestion.*
- *We have designed a table comparing advantages and disadvantages of PC-LB with EUS-LB.*

**Reviewer #5:** Thank you for the opportunity to review this paper. Overall, it is a detailed review of EUS guided liver biopsy, including technique and outcomes. The review has up to date references and it is an interesting topic because there is a growing interest in the role of new available options and trends for liver disease diagnosis. It is well written and structured with up to date references. I have few suggestions: Data regarding outcomes comparing percutaneous and EUS liver biopsy should be made clearer in the text. Conclusion section should be shorter.

- *Thank you for your valuable comments/suggestions.*
- *We have added a table to more clearly compare advantages and disadvantages of PC-LB with EUS-LB.*
- *Conclusion has been shortened to as per the reviewer's suggestion.*

**Reviewer #6:** This review is relatively well written. Please summarize the diagnostic adequacy rate and adverse event rate of ultrasonic endoscope guided liver biopsy in tables.

- *Thank you for your valuable comments/suggestions.*

- *We have added a table summarizing the diagnostic yield and adverse events reported in major studies.*