

Reviewer 1

I read with interest the paper by Mann et al., presenting a complete review regarding EUS-guided vascular interventions. The manuscript is well-written and methodologically valid, providing an overview on the indications to EUS-guided vascular interventions and a detailed description of the available techniques in this fields. The abstract summarize and reflect the work described in the manuscript.

Response: We thank the reviewer for their comments and efforts in reviewing this manuscript.

However the paper has some minor criticisms that should be modified, as suggested:

1. Please correct EUS-guided every time you cite (sometimes is without “-“or with space).

Response: We than reviewer for their comments. We corrected in manuscript including tables and figures to EUS-guided.

2. Please correct “hrs” with “hours.

Response: We than reviewer for their comments. We made changes as suggested.

3. In the introduction:

3a - Line 5: After “available” please replace “-“I with “:”

Response: We made changes as suggested.

3b - Line 10-11. Please define better solid structures (gallbladder and biliary tree are not solid). For example, EUS can visualize solid and fluid structure. Among fluid structures EUS can identify vascular structures, through the aid of the doppler

Response: We than reviewer for their comments. We made changes as suggested.

EUS can visualize both solid and fluid structures in the GI lumen and extraluminal. Various structures accessible with EUS include the luminal wall of the GI tract (esophagus, stomach, duodenum, and rectum), liver, pancreas, gallbladder, biliary tree, mediastinum, and lymph nodes. EUS can identify various arterial and venous vascular structures in proximity to the GI tract are accessible.

3c - Line 13. Please remove “(“ - Line 15. Please correct “It’s” with “Its”

Response: We than reviewer for their comments. Line 13 has been removed.

3d - Line 17. Please correct: “Interventions”

Response: We than reviewer for their comments. We made changes as suggested.

3e - Line 19. Better “ from the diagnostic to therapeutic tool” - The authors cite 3 times a Figure 3 (2 in the Introduction and 1 in the “EUS-guided portal vein interventions”), but the Figure 3 is missing In the paragraph “esophageal varices”:

Response: We than reviewer for their comments. We made changes as suggested.

4. paragraph “esophageal varices”:

4a - Line 11. Add “was” before “reported”.

Response: We than reviewer for their comments. We added changes as suggested.

4b - Line 14. Please write RCT in extended form (randomized controlled trial)

Response: We than reviewer for their comments. We extended the RCT to its full form.

4c- Line 24. Remove one “large”

Response: We than reviewer for their comments. We removed the word large.

5 In the paragraph “gastric varices”:

5a- Line 2. Change one of the two verb “cause” with a synonymous.

Response: We than reviewer for their comments. We made changes as suggested.

5b- Line 9. Please add “In” before “A study”

Response: We than reviewer for their comments. We added information as suggested.

5c- Line 11. Here is the first time you use GV; please modify at the beginning of the paragraph “gastric varices (GV)” and then you can use the abbreviated form.

Response: We than reviewer for their comments. We added information as suggested.

5d- Line 21-22. The sentence “to allow precise evaluation of pathological vessels, improved therapeutic targeting” should be modified with “to allow a precise evaluation of pathological vessels, improving therapeutic targeting”

Response: We than reviewer for their comments. We made changes as suggested.

5e- Line 22-23. The sentence “Color doppler also adds to differentiated gastric varices from other structures and can help confirm eradication of varices.” should be modified with “Color doppler also permits to differentiate gastric varices from other structures and can help to confirm eradication of varices”

Response: We than reviewer for their comments. We made changes as suggested.

6. In the paragraph “glue therapy”:

6a - Line 2. Better “EUS-guided CYA glue injection” instead of “EUS”

Response: We than reviewer for their comments. We made changes as suggested.

6b - Line 11. Please “On average the patients” is better than “On average patient”

Response: We than reviewer for their comments. We made changes as suggested.

6c - Line 12. Change “to confirming “ with “to confirm” and “the patient” with “the patients”

Response: We than reviewer for their comments. We made changes as suggested.

7. In the paragraph “coil embolization”:

7a - Line 6. Please write "fine needle aspiration (FNA) the first time you use.

Response: We thank reviewer for their comments. We added information as suggested.

7b - Line 11. " e 1)" what means?? remove it.

Response: We thank reviewer for their comments. We removed information as suggested.

7c - Line 20. Add "were: "Less adverse events were noted..."

Response: We thank reviewer for their comments. We changed information as suggested.

7d - Line 25. Please correct "It's" with "Its"

Response: We thank reviewer for their comments. We corrected information as suggested.

8. In the paragraph "combined coiling and glue therapy":

8a - Line 8-12. Please correct this sentence "A retrospective chart review of 152 GFV patients (143 with isolated gastric varices -1 (IGV-1) and 9 with gastroesophageal varices type 2 (GOV-2) treated with EUS-guided coil and CYA injection combined therapy from March 2009 to 2015, and the technical success rate was >99% (151/152 patients) technical success rate." with "A retrospective chart review of 152 GFV patients [143 with isolated gastric varices -1 (IGV-1) and 9 with gastroesophageal varices type 2 (GOV-2)], treated with EUS-guided coil and CYA injection combined therapy from March 2009 to 2015, showed a technical success rate >99% (151/152 patients)."

Response: We thank reviewer for their comments. We changed information as suggested.

8b - Line 30. Please add "was": "A metanalysis ...was conducted...."

Response: We thank reviewer for their comments. We added information as suggested.

8c - Line 34. Add "." before "Similarly.

Response: We thank reviewer for their comments. We added information as suggested.

9 In the paragraph "thrombin injection":

9a - Line 1. Please change the sentence "...a study of eight patients (three with active bleeding and five as elective prevention) with GFV published who were treated with EUS-guided thrombin injection." with "...a study of eight patients (three with active bleeding and five as elective prevention) with GFV treated with EUS-guided thrombin injection was published."

Response: We thank reviewer for their comments. We changed information as suggested.

10. In the paragraph "ectopic varices":

10a - Line 13. Please, remove ",", after "although".

Response: We thank reviewer for their comments. We added information as suggested.

11 Non-Variceal Gastrointestinal Bleed"

11a - Title of the paragraph 2. Please correct "Non-Variceal Gastrointestinal Bleed" with "Non-Variceal Gastrointestinal Bleeding

Response: We thank reviewer for their comments. We changed information as suggested.

12 In the paragraph "Dieulafoy's lesions"

12a - Line 3. Please correct "al" to "all" - Line 6. Add "." after "ulcer"

Response: We than reviewer for their comments. We corrected information as suggested.

12b - Line 13. "and during this follow-up period" could be removed (is redundant)

Response: We than reviewer for their comments. We removed information as suggested.

12c - Line 16. Correct "Non-variceal"

Response: We than reviewer for their comments. We corrected information as suggested.

12d - Line 23. Please check: is another patient (one) or more patients?

Response: We than reviewer for their comments. This is "another patient."

13 In the paragraph "GIST":

13a - Line 3. Add "In": "In an elderly..."

Response: We than reviewer for their comments. We added information as suggested.

13b - Line 5. Correct "A vessel was identified deep to bleeding ..." with "A deep vessel was identified to bleeding ..."

Response: We than reviewer for their comments. We corrected information as suggested.

13c - Line 10. Please put ":" after "capability" instead of ".".

Response: We than reviewer for their comments. We corrected information as suggested.

13d - Line 11. Please put ", and" after "diagnosis" instead of "."

Response: We than reviewer for their comments. We corrected information as suggested.

14 In the paragraph "portal vein access and pressure measurement":

14a - Line 1. Please add "to": "can help to manage"

Response: We than reviewer for their comments. We added information as suggested.

14b - Line 2. Figure 3 is missing.

14c - Line 18. Please correct "can helpstage" with "can help to stage"

Response: We than reviewer for their comments. We corrected information as suggested.

14d - Line 19 and 20. Please add "is" before "associated"

Response: We than reviewer for their comments. We added information as suggested.

14e - Line 33. Please correct "compared to standard HVPG measurement methodsIntrahepatic portosystemic shunt (IPSS)" with "compared to standard HVPG measurement methods, as Intrahepatic portosystemic shunt (IPSS)."

Response: We than reviewer for their comments. We corrected information as suggested.

14f - Line 26. Please correct "PHsuch..." with "PH such..."

Response: We than reviewer for their comments. We corrected information as suggested.

15 In the paragraph “portal vein embolization”:

15a - Line 15. Please clarify if is “one week later”

Response: We than reviewer for their comments. This is “one week later”

16 In the paragraph “portal venous blood sampling”:

16a - Line 12-14. Please correct “In another study, patients undergoing pancreaticoduodenectomy for presumed periampullary or pancreatic adenocarcinoma without metastatic disease, PV, and peripheral venous samples were collected simultaneously at the time of surgery” with “In another study performed on patients undergoing pancreaticoduodenectomy for presumed periampullary or pancreatic adenocarcinoma without metastatic disease, PV and peripheral venous samples were collected simultaneously at the time of surgery.

Response: We than reviewer for their comments. We corrected information as suggested.

17 In the paragraph “liver-directed portal vein injection chemotherapy”:

17a- Line 12-13. Please check this sentence “Levels of all three medications were higher in the hepatic tissue than in plasma than the control group receiving systemic chemotherapy”. Than... than?

Response: We than reviewer for their comments. Levels of all three medications were higher in the hepatic tissue in the EPIC group compared to in plasma in the control group receiving systemic chemotherapy.

18 In the paragraph “role in tumor diagnosis”:

18a - Line 1. Please change “,” after “staging” with “and”.

Response: We than reviewer for their comments. We changed information as suggested.

19 In the paragraph “access to non-GI structures”:

19a - Line 1. Add “system” after “pulmonary vascular”

Response: We than reviewer for their comments. We added information as suggested.

19b- Line 9. Please correct “procedure” with “procedures”.

Response: We than reviewer for their comments. We corrected information as suggested.

Scientific Quality: Grade B (Very good)

Language Quality: Grade B (Minor language polishing)

Conclusion: Minor revision

Reviewer 2

This is a reviewed article showing the efficacy of EUS -guided vascular interventions. This may be interest to the readers of this journal. However, there is a problem. 1. Page14 line4, Rectal varies are reported – Rectal varices are reported.

Response: Done.

Scientific Quality: Grade A (Excellent)

Language Quality: Grade A (Priority publishing)

Conclusion: Accept (High priority)

Editor

1 Scientific quality: The manuscript describes a review of the EUS-guided vascular interventions. The topic is within the scope of the WJG.

(1) Classification: Grade A and Grade B;

(2) Summary of the Peer-Review Report: The authors show the efficacy of EUS-guided vascular interventions. It is well-written and methodologically valid. However, some minor criticisms should be modified. The questions raised by the reviewers should be answered; and

(3) Format: There are 3 tables and 2 figures.

(4) References: A total of 91 references are cited, including 16 references published in the last 3 years;

(5) Self-cited references: There are 3 self-cited references. The self-referencing rates should be less than 10%. Please keep the reasonable self-citations that are closely related to the topic of the manuscript, and remove other improper self-citations. If the authors fail to address the critical issue of self-citation, the editing process of this manuscript will be terminated; and

(6) References recommend: The authors have the right to refuse to cite improper references recommended by peer reviewer(s), especially the references published by the peer reviewer(s) themselves. If the authors found the peer reviewer(s) request the authors to cite improper references published by themselves, please send the peer reviewer's ID number to the editorialoffice@wjgnet.com. The Editorial Office will close and remove the peer reviewer from the F6Publishing system immediately.

2 Language evaluation: Classification: Grade A and Grade B.

3 Academic norms and rules: No academic misconduct was found in the Bing search.

4 Supplementary comments: This is an invited manuscript. No financial support was obtained for the study. The topic has not previously been published in the WJG.

5 Issues raised:

(1) The authors did not provide original pictures. 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; and

Response: We thank the editor for the comments and efforts in reviewing this manuscript. We have attached the original pictures in PowerPoint file

(2) Please obtain permission for the use of picture(s). If an author of a submission is re-using a figure or figures published elsewhere, or that is copyrighted, the author must provide documentation that the previous publisher or copyright holder has given permission for the figure to be re-published; and correctly indicating the reference source and copyrights. For example, "Figure 1 Histopathological examination by hematoxylin-eosin staining (200 ×). A: Control group; B: Model group; C: Pioglitazone hydrochloride group; D: Chinese herbal medicine group. Citation: Yang JM, Sun Y, Wang M, Zhang XL, Zhang SJ, Gao YS, Chen L, Wu MY, Zhou L, Zhou YM, Wang Y, Zheng FJ, Li YH. Regulatory effect of a Chinese herbal medicine formula on non-alcoholic fatty liver disease. World J Gastroenterol 2019; 25(34): 5105-5119. Copyright ©The Author(s) 2019. Published by Baishideng Publishing Group Inc[6]". And please cite the reference source in the references list. If the author fails to properly cite the published or copyrighted picture(s) or table(s) as described above, he/she will be subject to withdrawal of the article from BPG publications and may even be held liable.

Response: We thank the editor for the comments and efforts in reviewing this manuscript. All figures and tables are original

6 Recommendation: Conditional acceptance.

Response: Thank you