

Response to Reviewers' comments

We sincerely thank reviewers for their kind and constructive comments to our manuscript. Please find below a description of the changes that we provided in reply to the reviewers' comments. All changes made in the manuscript are highlighted in yellow.

1. The last 2 decades have seen significant improvements in techniques for biliary drainage and this remains an engaging topic for gastroenterology and hepatology. For this reason, I think that this will continue to drive interest with the readership. That said, the only major difference between the 2021 and current study is the statistical power derived from the larger numbers. It would be more compelling to have further clinical trials in this field to build up an even larger database for future meta-analyses.

Reply: EUS-BD is a technically challenging procedure that requires specialized training. Attasaranya et al. [1] reported the failure rate of EUS-BD was 38% during the first 3 years of training and 11% in the last 2 years of training. In 2013, electrocautery-enhanced lumen-apposing metal stent was developed to perform EUS-BD, which simplified the procedure and allowed one-step stent deployment. Intriguingly, the electrocautery system appears to be easy for training endoscopists. One recent study indicated that ECE-LAMS is even successful when used by less-experienced endoscopists, probably owing to strict compliance with the manufacturer's recommended protocol [2]. At present, EUS-BD using ECE-LAMS is performed worldwide in case of malignant biliary obstruction. Thus, the efficacy and safety of ECE-LAMS confirmed by the large-scale prospective studies in the further.

2. There are many 'typos' and grammar issues in the manuscript e.g. the last

sentence in the Abstract. They should be corrected to improve the flow and readability of the manuscript.

Reply: The revised manuscript has been polished the language by a professional English language editing company.

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Reference

- [1]. Attasaranya S, Netinasunton N, Jongboonyanuparp T, et al. The spectrum of endoscopic ultrasound intervention in biliary diseases: A single center's experience in 31 cases. *Gastroenterol Res Pract* 2012; 2012:680753.
- [2]. 28 Jacques J, Privat J, Pinard F, et al. Endoscopic ultrasound-guided choledochoduodenostomy with electrocautery-enhanced lumen-apposing stents: a retrospective analysis. *Endoscopy* 2019; 51(6): 540-547