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PEER-REVIEW REPORT

Name of journal: *World Journal of Gastrointestinal Endoscopy*

Manuscript NO: 89075

Title: Methods to Increase the Diagnostic Efficiency of Endoscopic Ultrasound-Guided Fine-Needle Aspiration for Pancreatic Solid Lesions: an update review

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 02541712
Position: Editorial Board
Academic degree: MD, PhD
Professional title: Associate Professor, Chief Physician
Reviewer's Country/Territory: Slovakia
Author's Country/Territory: China

Manuscript submission date: 2023-10-19

Reviewer chosen by: Yu-Lu Chen

Reviewer accepted review: 2023-12-14 10:41

Reviewer performed review: 2023-12-14 11:38

Review time: 1 Hour

Scientific quality	[ ] Grade A: Excellent [ ] Grade B: Very good [Y] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Novelty of this manuscript	[ ] Grade A: Excellent [ ] Grade B: Good [Y] Grade C: Fair [ ] Grade D: No novelty
Creativity or innovation of this manuscript	[ ] Grade A: Excellent [ ] Grade B: Good [Y] Grade C: Fair [ ] Grade D: No creativity or innovation

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Scientific significance of the conclusion in this manuscript	[ ] Grade A: Excellent [ ] Grade B: Good [Y] Grade C: Fair [ ] Grade D: No scientific significance
Language quality	[ ] Grade A: Priority publishing [Y] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [ ] Accept (General priority) [ ] Minor revision [Y] Major revision [ ] Rejection
Re-review	[Y] Yes [ ] No
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous
	Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

I read with interest the mini-review concerning "Methods to increase diagnostic efficiency of EUS FNA ..... " Authors summarize evidence for, or against using an appropriate needle caliber, ROSE, suction, stylet, contrast enhanced US or needle track seeding. However, this evidence cannot be considered new and also those are technical means used during every (event the first) EUS fine needle sampling. When discussing the increase in diagnostic efficiency, there are other newer topics that need to be discussed, such as MOSE (marcroscopic on-site evaluation of the specimen), use of elastography in targeting, use of a baloon for example in tumors in the pancreatic neck, specimen preparation, coloration and evaluation by a pathologist, or the use of next gerenarion sequencing. They mentioned organoids in the discusiion, I think that evidence for this new approach should also be elaborated in more detail.