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PEER-REVIEW REPORT

Name of journal: *World Journal of Gastrointestinal Surgery*

Manuscript NO: 89890

Title: Near-infrared cholangiography with intragallbladder indocyanine green injection in minimally invasive cholecystectomy

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 02823337
Position: Peer Reviewer
Academic degree: FRCS (Ed), FRCS (Gen Surg)
Professional title: Associate Professor, Chief Doctor, Surgeon
Reviewer's Country/Territory: China
Author's Country/Territory: Greece

Manuscript submission date: 2023-11-15
Reviewer chosen by: Huo Liu
Reviewer accepted review: 2023-12-29 02:15
Reviewer performed review: 2023-12-29 04:31
Review time: 2 Hours

Scientific quality	[ ] Grade A: Excellent [ ] Grade B: Very good [Y] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish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

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Scientific significance of the conclusion in this manuscript	[ ] Grade A: Excellent [Y] Grade B: Good [ ] Grade C: Fair [ ] Grade D: No scientific significance
Language quality	[Y] Grade A: Priority publishing [ ] 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	[ ] Yes [Y] No
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous
	Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

"Near-infrared cholangiography with intragallbladder indocyanine green injection in minimally invasive cholecystectomy: A narrative review of the literature" is an original and novel report on the use of Indocyanine Green (ICG) to map the biliary and fluoresence during laparoscopic cholecystectomy via direct injection into the intragallbladder. Several methods of ICG injection and outcome measurement have been used in studies on this topic, but they are generally low in quality. The authors did a good job summarizing the literature and providing a thorough review of the topic. The study, however, should be revised before being considered for publication because of a few issues. 1. ICG biliary mapping is particularly useful for identifying anatomy and preventing bile duct injury, according to the author. Most of the current studies did not state the rate of bile duct injury as an outcome. The author could, however, provide the reader with more insight on the results of current literature by expanding on the session of 'biliary anatomy recognition'. What is its comparison with the current gold standard of intraoperative cholangiography? 2. This article's most important part is the section on 'Bilary anatomy recognition'. Consider rewriting the review with a concise summary of

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the findings and the author's interpretation rather than just descriptions of the studies. 3. Table 1 should include study results for those case-control studies so that readers can easily compare the results of different trials. Thank you.

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RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: *World Journal of Gastrointestinal Surgery*

Manuscript NO: 89890

Title: Near-infrared cholangiography with intragallbladder indocyanine green injection in minimally invasive cholecystectomy

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 00069988
Position: Editorial Board
Academic degree: MD, MSc, PhD
Professional title: Associate Professor, Consultant Physician-Scientist, Doctor, Research Associate, Senior Scientist, Staff Physician, Surgeon
Reviewer's Country/Territory: Croatia
Author's Country/Territory: Greece

Manuscript submission date: 2023-11-15

Reviewer chosen by: Yu-Lu Chen

Reviewer accepted review: 2024-03-04 11:27

Reviewer performed review: 2024-03-04 11:42

Review time: 1 Hour

Scientific quality	[ ] Grade A: Excellent [Y] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[Y] Grade A: Priority publishing [ ] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [ ] Accept (General priority) [Y] Minor revision [ ] Major revision [ ] Rejection

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Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

All comments are in the Word document as "comments"