

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastrointestinal Surgery*

Manuscript NO: 80259

Title: Surgical management of acute pancreatitis: Historical perspective, challenges, and current management approaches

Provenance and peer review: Invited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05263678

Position: Associate Editor

Academic degree: FACS, MD, PhD

Professional title: Professor

Reviewer's Country/Territory: United States

Author's Country/Territory: Saudi Arabia

Manuscript submission date: 2022-09-21

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-09-21 12:57

Reviewer performed review: 2022-09-21 13:10

Review time: 1 Hour

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Peer-reviewer statements	Peer-Review: [<input checked="" type="checkbox"/>] Anonymous [<input type="checkbox"/>] Onymous
	Conflicts-of-Interest: [<input type="checkbox"/>] Yes [<input checked="" type="checkbox"/>] No

SPECIFIC COMMENTS TO AUTHORS

This is a fairly comprehensive review of historical and recent literature on pancreatitis. However, it does not go far beyond what can be found in any recent textbook chapter. 1. The review simply lists the various sets of guidelines from national and international societies and summarizes each, but would be strengthened by synthesizing them into a recommended approach, perhaps with a pathway diagram. 2. Similarly, a table might be constructed comparing similarities and highlighting differences among these guidelines which could then motivate a more focused discussion of the differences among them and the authors' attempt to explore those differences and make a recommendation based on the literature. 3. The authors several times repeat the idea that surgical management of acute pancreatitis has been very common until recently and that medical non-operative management has only recently become recommended. This is certainly not true. It has been clear for decades that surgery is not the best approach to most patients with pancreatitis. 4. The authors could consider adding a section that outlines what is currently known about the pathobiology of pancreatitis at the cellular and tissue level (as opposed to just saying it's mostly alcohol and gallstones with some few other less usual causes). 5. Page 11 line 217: We find the rather odd statement "Cholecystectomy and removal of the major bile ducts can be performed to prevent the recurrence of biliary pancreatitis." While I agree that cholecystectomy is indeed indicated, "removal of the major bile ducts" would seem potentially lethal. Do the authors mean "exploration" rather than "removal"? In the era of intraoperative cholangiography, MRCP and ERCP, what are the indications for even duct exploration if the acute pancreatitis is resolved and the operation is prophylactic? 6. The authors



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seem to recommend open cholecystectomy in some patients with acute biliary pancreatitis. Wouldn't laparoscopic cholecystectomy with either preoperative ERCP or intraop bile duct exploration be more appropriate?

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Reviewer's code: 03479389

Position: Associate Editor

Academic degree: MD, PhD

Professional title: Associate Professor, Director

Reviewer's Country/Territory: Japan

Author's Country/Territory: Saudi Arabia

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Reviewer accepted review: 2022-10-07 12:16

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Review time: 1 Hour

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No



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Peer-reviewer statements	Peer-Review: [<input checked="" type="checkbox"/>] Anonymous [<input type="checkbox"/>] Onymous
	Conflicts-of-Interest: [<input type="checkbox"/>] Yes [<input checked="" type="checkbox"/>] No

SPECIFIC COMMENTS TO AUTHORS

This is a well-written review article on surgical treatment of acute pancreatitis. The method and timing of surgical treatment are explained in an easy-to-understand manner by citing various guidelines.

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Reviewer's code: 05698055

Position: Peer Reviewer

Academic degree: PhD

Professional title: Professor

Reviewer's Country/Territory: China

Author's Country/Territory: Saudi Arabia

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Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-10-07 02:18

Reviewer performed review: 2022-10-20 13:23

Review time: 13 Days and 11 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
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Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No



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Peer-reviewer statements	Peer-Review: [<input checked="" type="checkbox"/>] Anonymous [<input type="checkbox"/>] Onymous
	Conflicts-of-Interest: [<input type="checkbox"/>] Yes [<input checked="" type="checkbox"/>] No

SPECIFIC COMMENTS TO AUTHORS

The Paper is well structured, showing an exciting topic. It might have been ready for publication if the following issues had been addressed. Firstly, the English need to be revised slightly; secondly, there needs to be more detail about the molecular mechanisms at play in AP; thirdly, a brief overview of the medical treatment options for treating AP is needed; and finally, the authors need to share more of their thoughts to provide a complete summary of the guidelines.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Academic degree: FACS, MD, PhD

Professional title: Professor

Reviewer's Country/Territory: United States

Author's Country/Territory: Saudi Arabia

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Reviewer chosen by: Jing-Jie Wang

Reviewer accepted review: 2022-11-25 14:52

Reviewer performed review: 2022-11-25 14:58

Review time: 1 Hour

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Peer-reviewer	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous



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statements

Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

Satisfactory revisions.