

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 39076

Title: NEW HORIZONS IN THE ENDOSCOPIC DIAGNOSIS OF PANCREATIC CYSTS

Reviewer's code: 03479389

Reviewer's country: Japan

Science editor: Xue-Jiao Wang

Date sent for review: 2018-04-10

Date reviewed: 2018-04-10

Review time: 2 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input checked="" type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input checked="" type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

Thank you for giving me an opportunity of the review. My comments are as follows. This article is a review of CH-EUS, nCLE, though-the-needle cytology and forceps biopsy for pancreatic cysts. This article is well written. In addition, I expect an overview of needle tract seeding by malignant pancreatic cystic tumor puncture.



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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 39076

Title: NEW HORIZONS IN THE ENDOSCOPIC DIAGNOSIS OF PANCREATIC CYSTS

Reviewer's code: 03647581

Reviewer's country: Italy

Science editor: Xue-Jiao Wang

Date sent for review: 2018-04-10

Date reviewed: 2018-04-10

Review time: 2 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input checked="" type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

The authors present a well written review of the literature about new techniques to be integrated with EUS in order to increase the diagnostic performance of endosonography for pancreatic cystic neoplasms. The paper do not need language editing. I have some concerns. - the last paragraph of the introduction is conceptually in the wrong order.



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Authors should start from available guidelines (Sendai -> European -> Fukuoka -> AGA -> New Sendai -> New European) showing to the reader how they have high sensitivity but low specificity. Then they should highlight the role of EUS in enhancing diagnostic yield through new techniques. - the authors state that genomics/proteomics-based technique are promising but validation is still pending. I think this is the same for the other techniques they are showing to us. I just change the motivation of the review saying that these new techniques are easily available if compared with lab studies on proteomics or genomics of PCNs - the authors forget to report that the use of CE-EUS is now recommended in IAP guidelines (2017 update) - even if reported in the conclusion and perspectives, the authors should better focus on the fact that the techniques they report are potentially widespreadable (they are already available for purchase) but they need a very long learning curve, whereas the use of microarray could be easier (you only need to collect cystic fluid).

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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 39076

Title: NEW HORIZONS IN THE ENDOSCOPIC DIAGNOSIS OF PANCREATIC CYSTS

Reviewer's code: 03024915

Reviewer's country: Italy

Science editor: Xue-Jiao Wang

Date sent for review: 2018-04-10

Date reviewed: 2018-04-13

Review time: 3 Days

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input checked="" type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input checked="" type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

This interesting article about pancreatic cystic lesions review the emerging EUS diagnostic techniques. I suggest the following changes: 1) change the title, for example: "new horizons in Ultrasound Endoscopy of pancreatic cystic lesions" 2) replace pancreatic cysts with pancreatic cystic lesions everywhere in the text and in the abstract



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3) write a sole and comprehensive discussion at the end of the text.

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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 39076

Title: NEW HORIZONS IN THE ENDOSCOPIC DIAGNOSIS OF PANCREATIC CYSTS

Reviewer's code: 02468626

Reviewer's country: Italy

Science editor: Xue-Jiao Wang

Date sent for review: 2018-03-29

Date reviewed: 2018-04-15

Review time: 17 Days

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input checked="" type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input checked="" type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

The manuscript reviews all the existing techniques for endoscopic diagnosis of pancreatic cysts. The authors are respected authorities in this field and have covered the topic extensively. Major remarks 1) The text is too long and should be shortened throughout. 2) The background can be shortened. 3) I do not understand the term



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MOTIVATION as a title of the 2nd paragraph. The 2nd and 3rd paragraph should be merged. 4) CONTRAST-ENHANCED ENDOSCOPIC ULTRASOUND should be renamed as CONTRAST-HARMONIC ENHANCED ENDOSCOPIC ULTRASOUND (in the table too) 5) While the 1st and 2nd topic are established techniques with abundant literature, the 3rd and the 4th topic are experimental. The latter two topics should be shortened. 6) The discussion should be brought altogether at the end of the manuscript and not after each chapter. 7) Table 1 is not necessary. 8) It would be interesting to see a flowchart prioritizing the techniques discussed here. 9) Please specify that other techniques of cyst sampling were beyond the purpose of this review (if so) (e.g. biopsy of the cyst wall and and analysis of the cystic fluid with citology and biomarkers)

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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 39076

Title: NEW HORIZONS IN THE ENDOSCOPIC DIAGNOSIS OF PANCREATIC CYSTS

Reviewer's code: 02438659

Reviewer's country: China

Science editor: Xue-Jiao Wang

Date sent for review: 2018-04-10

Date reviewed: 2018-04-22

Review time: 12 Days

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

The authors present a comprehensive and critical review of the evolving role of emerging EUS-based technologies, –contrast enhanced imaging, needle-based confocal endomicroscopy, through-the-needle cystoscopy, and through-the-needle intracystic biopsy –in the clinical diagnosis of PCLs, with a critical focus on feasibility, safety and



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diagnostic performance. The contents of the manuscript are well-organized and written, so we can understand the related knowledge fluently. The manuscript mainly focus EUS-based tools, so the title “New horizons in the endoscopic diagnosis of pancreatic cysts”, maybe it can be revised to “New horizons in the EUS-based diagnosis of pancreatic cysts”?

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