

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 53164

**Title:** Macrophage inhibitory cytokine-1/growth differentiation factor-15 in premalignant and neoplastic tumours in a high-risk pancreatic cancer cohort

**Reviewer's code:** 00503476

**Position:** Editorial Board

**Academic degree:** MD, PhD

**Professional title:** Professor

**Reviewer's country:** Spain

**Author's country:** Australia

**Manuscript submission date:** 2019-12-24

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2019-12-24 11:42

**Reviewer performed review:** 2019-12-30 10:56

**Review time:** 5 Days and 23 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 type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input checked="" type="checkbox"/> Grade C: Good	polishing	<input checked="" 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 checked="" type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

## **SPECIFIC COMMENTS TO AUTHORS**

WJG 2019-53164 Title: Macrophage inhibitory cytokine-1/growth differentiation factor-15 in premalignant and neoplastic tumours in a high-risk pancreatic cancer cohort Robert Sean O'Neill et al Comments to authors The manuscript entitled "Macrophage Inhibitory Cytokine-1/Growth Differentiation Factor-15 in premalignant and neoplastic tumours in a high-risk pancreatic cancer cohort by Robert Sean O'Neill et al is an interesting prospective study and the authors have collected a unique dataset using standard methodology. The paper is generally well written and structured. Overall, this is a clear, concise, and well-written manuscript. The introduction is relevant and theory based. Sufficient information about the previous study findings is presented for readers to follow the present study rationale and procedures. However, in my opinion the paper has some shortcomings in regards to results and conclusions. The authors indicate that "MIC-1/GDF15 has predictive capacity for neoplastic tumours in asymptomatic individuals with a genetic predisposition for PC and further imaging may be warranted in patients with a normal EUS and raised MIC-1. Larger prospective studies are required to further define the role of MIC-1/GDF15 as a serological biomarker in pre-malignant pancreatic lesion". In agreement with the authors, this study needs to be validated with larger prospective studies (including healthy volunteers and non-malignant pathologies in multicenter studies) for finding false positive and false negative values with higher precision.

## **INITIAL REVIEW OF THE MANUSCRIPT**

### ***Google Search:***

☐ The same title

☐ Duplicate publication



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☐ Plagiarism

☐ No

***BPG Search:***

☐ The same title

☐ Duplicate publication

☐ Plagiarism

☐ No

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 53164

**Title:** Macrophage inhibitory cytokine-1/growth differentiation factor-15 in premalignant and neoplastic tumours in a high-risk pancreatic cancer cohort

**Reviewer's code:** 01518946

**Position:** Editorial Board

**Academic degree:** MD, PhD

**Professional title:** Professor, Research Fellow, Senior Consultant Dermatologist

**Reviewer's country:** Japan

**Author's country:** Australia

**Manuscript submission date:** 2019-12-24

**Reviewer chosen by:** Jin-Zhou Tang

**Reviewer accepted review:** 2020-01-04 02:39

**Reviewer performed review:** 2020-01-09 11:14

**Review time:** 5 Days and 8 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 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 checked="" type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

## **SPECIFIC COMMENTS TO AUTHORS**

This manuscript describes the importance of macrophage inhibitory cytokine-1/growth differentiation factor-15 as detecting pre-malignant pancreatic lesions and neoplastic tumors in an asymptomatic high-risk cohort part of Australian Pancreatic Cancer Screening Program. The authors investigated 120 participants and 47 participants (39.2%) had an abnormal EUS and five participants (4.2%) were diagnosed with neoplastic tumors, three by EUS (two pancreatic and one liver) and two by MRI/CT (breast cancer, bladder cancer) done for follow up of abnormal EUS. However, there are some problems in this manuscript as described below. Although AUC value is high, ROC is not beautiful because total numbers are small. Therefore, the authors should investigate much more cases. The authors should compare pancreas-specific inflammation parameters such as amylase, lipase, and elastase1 to macrophage inhibitory cytokine-1/growth differentiation factor-15.

## **INITIAL REVIEW OF THE MANUSCRIPT**

### ***Google Search:***

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

### ***BPG Search:***

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism



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[ Y ] No

## RE-REVIEW REPORT OF REVISED MANUSCRIPT

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 53164

**Title:** Macrophage inhibitory cytokine-1/growth differentiation factor-15 in premalignant and neoplastic tumours in a high-risk pancreatic cancer cohort

**Reviewer's code:** 01518946

**Position:** Editorial Board

**Academic degree:** MD, PhD

**Professional title:** Professor, Research Fellow, Senior Consultant Dermatologist

**Reviewer's country:** Japan

**Author's country:** Australia

**Manuscript submission date:** 2019-12-24

**Reviewer chosen by:** Ying Dou

**Reviewer accepted review:** 2020-03-16 04:33

**Reviewer performed review:** 2020-03-16 10:39

**Review time:** 6 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 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 type="checkbox"/> Major revision	<input checked="" type="checkbox"/> Advanced
		<input checked="" type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No



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#### **SPECIFIC COMMENTS TO AUTHORS**

This manuscript has interesting information in pancreatic cancer research. However, case numbers are too small for ROC analysis. Although I commented this point in the first review, the authors did not improve the manuscript.

#### **INITIAL REVIEW OF THE MANUSCRIPT**

##### ***Google Search:***

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

##### ***BPG Search:***

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No