

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 46143

Title: Measurement of prostaglandin metabolites is useful in diagnosis of small bowel ulcerations

Reviewer's code: 00058401

Reviewer's country: Brazil

Science editor: Jia-Ping Yan

Date sent for review: 2019-02-06

Date reviewed: 2019-02-11

Review time: 15 Hours, 5 Days

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input checked="" type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	<input checked="" 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 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 checked="" type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

Honor and merit. Effusive congratulations

INITIAL REVIEW OF THE MANUSCRIPT



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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 46143

Title: Measurement of prostaglandin metabolites is useful in diagnosis of small bowel ulcerations

Reviewer's code: 01221925

Reviewer's country: Greece

Science editor: Jia-Ping Yan

Date sent for review: 2019-02-06

Date reviewed: 2019-02-13

Review time: 15 Hours, 7 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 checked="" 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 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 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 is an interesting paper looking for a way to differentiate between Crohn's disease and a rare type of enteropathy. Could the authors please respond to the following questions/comments? 1) Why was prostaglandin E specifically chosen? 2) Why did the



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authors choose a urine test?

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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 46143

Title: Measurement of prostaglandin metabolites is useful in diagnosis of small bowel ulcerations

Reviewer's code: 00503623

Reviewer's country: United States

Science editor: Jia-Ping Yan

Date sent for review: 2019-02-06

Date reviewed: 2019-02-14

Review time: 9 Hours, 8 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 checked="" type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

The manuscript No. 46143 reports the results of studies on the use of PGE major urinary metabolites (PGE-MUM) measurements in order to distinguish Crohn's disease (CD) from chronic enteropathy (CEAS) associated with prostaglandin transporter SLCO2A1



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gene. The results obtained with 20 patients with CEAS and 98 patients with CD revealed that PGE-MUM concentration in urine of patients with CEAS was significantly higher than that in patients with CD. Thus, the conclusion is that the measurements of urinal PGE-MUM content can be used to distinguish between CEAS and CD disease. While the presented results clearly support the reached conclusion, the manuscript does not provide any indication as to the nature of urinary PGE metabolites which were measured. It is not enough to simply state that "all PGE-MUM concentrations were measured by using bicyclic PGE-MUM radioimmunoassay kit". Hence, it is mandatory that this deficiency is rectified.

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