

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 41152

Title: Circadian rhythms in the pathogenesis of gastrointestinal diseases

Reviewer's code: 03062399

Reviewer's country: Italy

Science editor: Xue-Jiao Wang

Date sent for review: 2018-07-27

Date reviewed: 2018-08-01

Review time: 5 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 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 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 editorial entitled: Circadian rhythms in the pathogenesis of gastrointestinal diseases, by Codoñer Franch P. and Gombert M. is a well done Editorial, timely and well written. Indeed, I think that to improve the manuscript the authors could add some papers about interplay between microbes and clock in the gut. To this end I suggest to analyze



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and add a brief chapter or sentences regarding the topic described in the manuscripts of Murakami M et al. EMBO Report 2016, Tognini P et al. Cell Metabolism 2017 and Tognini et al. Cold Spring Harb. Perspec. Biol. 2017. The discussion of these points will allow the readers to have a complete picture of the interplay between Circadian clock and gastrointestinal diseases.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

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

BPG Search:

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

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 41152

Title: Circadian rhythms in the pathogenesis of gastrointestinal diseases

Reviewer's code: 00069137

Reviewer's country: Canada

Science editor: Xue-Jiao Wang

Date sent for review: 2018-07-27

Date reviewed: 2018-08-13

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 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

This is a nice, well written editorial acting as a short review on the relevance of circadian rhythms in GI diseases. It is timely, concise and relevant. I have only some minor comments/suggestions: 1. Adding a paragraph on possible therapeutic approaches could be informative (chronotherapy, light exposure, melatonin etc.) 2. Some details on



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GI immune modulation by circadian rhythm (including pathways and mediators, in both innate and adaptive immunity) could also add interest (in the IBD section). The review focuses almost entirely in clock genes or epigenetic changes. 3. An illustration or figure could add clarity to the presentation. 4. Mentioning other areas of interest (liver, GI infections, etc.), even if not reviewing them in detail, may also give a sense of "comprehensiveness".

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- ☐ No

BPG Search:

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- ☐ Plagiarism
- ☐ No