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Telephone: +1-925-223-8242
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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 45986

Title: Proteomics of mediodorsal thalamic nucleus in rats subjected to restraint water-immersion stress

Reviewer's code: 00058441

Reviewer's country: Taiwan

Science editor: Ruo-Yu Ma

Reviewer accepted review: 2019-02-21 06:10

Reviewer performed review: 2019-02-23 06:30

Review time: 2 Days

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[ ] Grade E: Do not publish		[ ] Rejection	[ ] Advanced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

SPECIFIC COMMENTS TO AUTHORS

In this manuscript, profile of proteomes in the mediodorsal thalamic nucleus (MD) of rats induced gastric ulcer (SGU) with Restraint water-immersion stress (RWIS) was investigated. Authors found out that GSK3B may play a central role in underlying MOA.

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1) Research methods and results appeared to be well performed and interesting. Downregulation of GSK3B is intriguing and how is this linked to gastric ulcer deserve further investigation. In the current paper, it is asham that authors only validated the expression level of GSK3B but did not further examine serine 9 and tyrosine 216 phosphorylations of GSK3 or any of its downstream substrates. If author provide those results, this paper could further correlate the expression data with actual GSK3 "enzyme activity". The impact of the paper will be further elevated. 2) In addition, previous study shown that Restraint water-immersion stress (RWIS), similar to insulin, can affect glucose uptake in brain and gastric secretion. Addition of a discussion about the potential role of GSK3 in this pathway is required.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

[ ] The same title

[ ] Duplicate publication

[ ] Plagiarism

[Y] No

BPG Search:

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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 45986

Title: Proteomics of mediodorsal thalamic nucleus in rats subjected to restraint water-immersion stress

Reviewer's code: 02535507

Reviewer's country: Italy

Science editor: Ruo-Yu Ma

Reviewer accepted review: 2019-03-08 12:19

Reviewer performed review: 2019-03-12 11:50

Review time: 3 Days and 23 Hours

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

SPECIFIC COMMENTS TO AUTHORS

The paper of Sheng-Nan Gong et al investigates proteomics of mediodorsal thalamic nucleus in rats subjected to restraint water-immersion stress. The study design is interesting and the investigation well-conducted. My remarks are: 1. Authors claim

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that "the identification of, targets for more specific therapies". It is unclear to which disease they refer their willingness to find more specific therapies. 2. "Gastric mucosal lesions were identified with a magnifying lens and measured using the erosion index (EI)". Reference 42 does not mention any magnifying lens or index (EI). Therefore, how the result statement: "The damage index was significantly different between the control and RWIS groups" raises problems of understanding regarding the evaluation method. 3. The Results Section "Identification of differentially expressed proteins" reports not only the results of the study, but also hints of methodology and even principles for the interpretation of the results. In reality, concepts other than pure results should be included in other sections of the manuscript. 4. A clear message of translational medicine is lacking.

INITIAL REVIEW OF THE MANUSCRIPT

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