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ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

ESPS manuscript NO: 31686

Title: A study of the effects of nesfatin-1 on gastric function in obeserats

Reviewer's code: 02945486

Reviewer's country: Spain

Science editor: Jin-Lei Wang

Date sent for review: 2016-12-02 11:01

Date reviewed: 2016-12-15 12:06

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> [Y] Accept
<input type="checkbox"/> [Y] Grade B: Very good	<input type="checkbox"/> [Y] Grade B: Minor language polishing	<input type="checkbox"/> [] The same title	<input type="checkbox"/> [] High priority for publication
<input type="checkbox"/> [] Grade C: Good	<input type="checkbox"/> [] Grade C: A great deal of language polishing	<input type="checkbox"/> [] Duplicate publication	<input type="checkbox"/> [] Rejection
<input type="checkbox"/> [] Grade D: Fair	<input type="checkbox"/> [] Grade D: Rejected	<input type="checkbox"/> [Y] No	<input type="checkbox"/> [] Minor revision
<input type="checkbox"/> [] Grade E: Poor		BPG Search:	<input type="checkbox"/> [] Major revision
		<input type="checkbox"/> [] The same title	
		<input type="checkbox"/> [] Duplicate publication	
		<input type="checkbox"/> [] Plagiarism	
		<input type="checkbox"/> [Y] No	

COMMENTS TO AUTHORS

Interesting study, after some minor language revision, it can be accepted for publication.

ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

ESPS manuscript NO: 31686

Title: A study of the effects of nesfatin-1 on gastric function in obeserats

Reviewer's code: 03478923

Reviewer's country: United States

Science editor: Jin-Lei Wang

Date sent for review: 2016-12-02 11:01

Date reviewed: 2016-12-23 17:10

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
<input checked="" type="checkbox"/> Grade C: Good		<input type="checkbox"/> Duplicate publication	
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade E: Poor	<input type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Minor revision
		BPG Search:	<input type="checkbox"/> Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

COMMENTS TO AUTHORS

This study focuses on the effects of the routes of drug administration and drug concentration on gastric functions, as well as the potential mechanisms, in order to provide a preliminary theoretical basis for further studies for determining hownesfatin-1 acts and the development of possible drugs for the treatment of obesity. The obeseratmodel was induced by high-fat diet. Then,the gastric emptying rate and gastric acid secretory capacity of rats were determined after rats were treated with different drug concentrations of nesfatin-1and administrations routes. Based on this, the expression of H⁺/K⁺-ATPase was measured using RT-PCR and western blot to preliminarily explore the mechanism of gastric acid secretionchanges. This in vivo experiment revealed that the intracerebroventricular injection of nesfactin-1, instead of intravenous injection, could suppress gastric function in obese rats. Moreover, its effect on the gastric emptying and gastric acid secretory capacity of rats is dose-dependentwithin a certain amount of time. Through this research, we provide a theoretical basis for further studies on potential anti-obesity drug,nesfatin-1. 1 The manuscript is well written. However, an editing is nessary. There are some language polishing and some blanks are missing. 2 The references are updated, but not well discussed. Please check the discussion section. 3



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Please check the figures and table.