

## PEER-REVIEW REPORT

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

**Manuscript NO:** 36697

**Title:** hsa-microRNA-202-3p's upregulation in type 1 gastric neuroendocrine neoplasm and its target gene

**Reviewer's code:** 005028

**Reviewer's country:** Japan

**Science editor:** Ze-Mao Gong

**Date sent for review:** 2017-11-06

**Date reviewed:** 2017-11-07

**Review time:** 1 Day

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	Google Search:	<input checked="" type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B: Very good	<input type="checkbox"/> 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 checked="" type="checkbox"/> Plagiarism	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input checked="" type="checkbox"/> No	<input type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

## COMMENTS TO AUTHORS

The authors concluded that miR-202-3p is upregulated in type 1 g-NEN lesions and might play important roles in the pathogenesis of type 1 g-NENs by targeting DUSP1 in this article. This study is interesting and important study for gene targeting therapy of type1 g-NEN.

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

**Manuscript NO:** 36697

**Title:** hsa-microRNA-202-3p's upregulation in type 1 gastric neuroendocrine neoplasm and its target gene

**Reviewer's code:** 03009243

**Reviewer's country:** Japan

**Science editor:** Ze-Mao Gong

**Date sent for review:** 2017-11-06

**Date reviewed:** 2017-11-17

**Review time:** 11 Days

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 checked="" 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 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 checked="" type="checkbox"/> No	<input checked="" 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 checked="" type="checkbox"/> No	

## COMMENTS TO AUTHORS

In this manuscript, Dou D et al. reported miR-202-3p is upregulated in type 1 gastric neuroendocrine neoplasms (g-NEN) tissue which can be down-regulated by dual-specificity phosphatase-1 (DUSP1). Seven g-NEN tumors were collected and miRNA expression was examined using human microRNA chips and further confirmed by the quantitative RT-PCR assay. Using three different target gene prediction systems, they found miR-202-3p upregulation. Among the 215 candidate genes, they picked up DUSP1. The dual-luciferase reporter assay showed that miR-202-3p directly regulated DUSP1. In conclusion, miR-202-3p is upregulated in type 1 g-NEN lesions and might play important roles in the pathogenesis of type 1 g-NENs by targeting DUSP1. Their study showed a therapeutic target for the prevention of recurrence of type 1 g-NEN. The manuscript is concisely written with appropriate references and easy to understand.

This report contains new findings, even though type 1 g-NETs are rare cases. There are few comments. Comments 1) The name of the title is different between the manuscript and attached letter for submission. The reviewer recommends to use "Hsa-microRNA-202-3p up-regulated in type 1 gastric neuroendocrine neoplasms and DUSP1 may be its target gene" as a title. 2) The author must analyze expression level of miR202-3p both in the tumor and non-tumor sections. Then, the author should create another figure to show the quantitative difference in expression. 3) Discussion is too long. It would be better to delete second paragraph in Future work, because no data can prove relations between miR-202 and herbal medicine. 4) Each figure legends must explain the contents in the figure to readers. Especially, legends for Fig. 4 and Fig.6 have no explanation. Please describe more details in every legend.

## PEER-REVIEW REPORT

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

**Manuscript NO:** 36697

**Title:** hsa-microRNA-202-3p's upregulation in type 1 gastric neuroendocrine neoplasm and its target gene

**Reviewer's code:** 02537773

**Reviewer's country:** Germany

**Science editor:** Ze-Mao Gong

**Date sent for review:** 2017-11-06

**Date reviewed:** 2017-11-18

**Review time:** 12 Days

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 type="checkbox"/> 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"/> Plagiarism	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input type="checkbox"/> No	<input type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input type="checkbox"/> No	

## COMMENTS TO AUTHORS

The aim of the study is to analyze the miRNA in gNETs. The study overall may be interesting, however, in the present form it is very preliminary and scientific effort is not complete. The number of patients is limited and no valid conclusions can be made yet. 1) The abbreviation of NEN needs to be revised to NET. Additionally, NETs type 1 are not really considered as really malignant tumor and makes rare metastasis. 2) Abstract needs to be more descriptive to the key data/numbers etc. 3) Limitation in design: inappropriate control samples with high risk of bias, definition of NET is not provided, limited number of samples 3 for array and 7 for validation. 4) The functional data to miR-202-3p are to preliminary and simple luciferase assay seems to my point of view insufficient to show the function role. 5) Conclusions are not supported by the data.