



### PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastrointestinal Oncology

**Manuscript NO:** 56061

**Title:** Methylation changes at the GNAS imprinted locus in pancreatic cystic neoplasms are important for the diagnosis of malignant cysts

**Reviewer's code:** 03896270

**Position:** Peer Reviewer

**Academic degree:** MD, MSc, PhD

**Professional title:** Assistant Professor

**Reviewer's Country/Territory:** China

**Author's Country/Territory:** Portugal

**Manuscript submission date:** 2020-04-15

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2020-04-15 17:00

**Reviewer performed review:** 2020-05-09 15:51

**Review time:** 23 Days and 22 Hours

<b>Scientific quality</b>	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input checked="" type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
<b>Language quality</b>	<input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
<b>Conclusion</b>	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer statements</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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#### **SPECIFIC COMMENTS TO AUTHORS**

In the manuscript entitled "Methylation changes at the GNAS imprinted locus in pancreatic cystic neoplasms are important for the diagnosis of malignant cysts" the authors are investigating the DNA methylation levels in GNAS locus in pancreatic cysts. The authors found methylation changes at 4 regions in this locus that were related to clinical factors. The content of the manuscript is interesting. However, there are some obvious shortage in the content of the manuscript. Comments: 1) The impact of gender on the gene methylation level should been analyzed. The main problem of this manuscript is that the samples studied were predominantly from female patients (35/52, 67%), and the correlation should be given by correcting for age and for the sex, using a partial correlation. 2) Gene methylation level may impact the gene expression status. No informationn of GNAS locus expression was showed in this study. It is interesting to perform some further studies to indentify the function of these GNAS transcripts in pancreatic cystic neoplasms 3) Full name of abbreviation (GNAS) should be supplied when it was first used.



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**Title:** Methylation changes at the GNAS imprinted locus in pancreatic cystic neoplasms are important for the diagnosis of malignant cysts

**Reviewer's code:** 03475120

**Position:** Editorial Board

**Academic degree:** FACS, MD, PhD

**Professional title:** Associate Professor, Director, Doctor, Surgeon

**Reviewer's Country/Territory:** Japan

**Author's Country/Territory:** Portugal

**Manuscript submission date:** 2020-04-15

**Reviewer chosen by:** Ya-Juan Ma

**Reviewer accepted review:** 2020-06-18 00:18

**Reviewer performed review:** 2020-06-30 00:17

**Review time:** 11 Days and 23 Hours

<b>Scientific quality</b>	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
<b>Language quality</b>	<input type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input checked="" type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
<b>Conclusion</b>	<input type="checkbox"/> Accept (High priority) <input checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>Peer-reviewer statements</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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#### **SPECIFIC COMMENTS TO AUTHORS**

Sample size was still small, but their results might be informative for further studies.



## RE-REVIEW REPORT OF REVISED MANUSCRIPT

**Name of journal:** World Journal of Gastrointestinal Oncology

**Manuscript NO:** 56061

**Title:** Methylation changes at the GNAS imprinted locus in pancreatic cystic neoplasms are important for the diagnosis of malignant cysts

**Reviewer's code:** 03896270

**Position:** Peer Reviewer

**Academic degree:** MD, MSc, PhD

**Professional title:** Assistant Professor

**Reviewer's Country/Territory:** China

**Author's Country/Territory:** Portugal

**Manuscript submission date:** 2020-04-15

**Reviewer chosen by:** Ze-Mao Gong

**Reviewer accepted review:** 2020-07-23 06:19

**Reviewer performed review:** 2020-07-23 06:25

**Review time:** 1 Hour

<b>Scientific quality</b>	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
<b>Language quality</b>	<input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
<b>Conclusion</b>	<input type="checkbox"/> Accept (High priority) <input checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Peer-reviewer statements</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

## SPECIFIC COMMENTS TO AUTHORS



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After substantial improvement the paper can be accepted for publication in the presented revised form.