

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastrointestinal Surgery*

Manuscript NO: 69211

Title: Expression of adipokine ghrelin and ghrelin receptor in human colorectal adenoma and correlation with the grade of dysplasia

Reviewer's code: 03656608

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Professor

Reviewer's Country/Territory: China

Author's Country/Territory: Croatia

Manuscript submission date: 2021-06-28

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-07-05 02:25

Reviewer performed review: 2021-07-13 15:35

Review time: 8 Days and 13 Hours

Scientific quality	<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 Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<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
Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Peer-reviewer statements	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

Ghrelin is an orexigenic peptide produced and secreted predominantly in the gastrointestinal tract but also in a range of normal cell types and tumors. In the manuscript, the author was aimed to investigate the expression of adipokine ghrelin and ghrelin receptor in human colorectal adenoma and adjacent colorectal tissue. The objective of this study is interesting, but the experiment was not necessarily very well designed. As of now there is really not much novel about this manuscript to justify its publication as a full length paper. The authors could have done a better job in explaining their current findings. 1) Abstract: The abstract should be stated briefly and succinctly. RESULTS---Do not interpret the data here. Do not explain how you deduced the conclusion from the results obtained. 2) Introduction----The rationale of the study is not sufficiently explained. 3) This work would be strengthened if the authors could include some in vivo and vitro work to tie together all the pieces of the proposed mechanism. 4) Figure 3 and Figure 4: The statistical labeling of the bar graph figures needs some further detail. Statistical tests and statistical significant differences should be should be indicated on the figures.

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Name of journal: *World Journal of Gastrointestinal Surgery*

Manuscript NO: 69211

Title: Expression of adipokine ghrelin and ghrelin receptor in human colorectal adenoma and correlation with the grade of dysplasia

Reviewer's code: 05461079

Position: Peer Reviewer

Academic degree: MBBS, MD, MSc, PhD

Professional title: Senior Lecturer

Reviewer's Country/Territory: Malaysia

Author's Country/Territory: Croatia

Manuscript submission date: 2021-06-28

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-07-07 16:55

Reviewer performed review: 2021-07-16 17:59

Review time: 9 Days and 1 Hour

Scientific quality	<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
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Peer-reviewer statements	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

The study is interesting and fill within the scope of the journal. It is an observational study on the expression of ghrelin and ghrelin receptors in colorectal adenomas and adjacent tissues. Abstract: This sentence is not clear, suggest to reframe "This points out to the conclusion that in adenomas with high grade dysplasia we what was not found in adenomas with low grade dysplasia". Introduction: Ghrelin receptor was found to be highly expressed in adipose tissue and its activation influences the differentiation and proliferation of adipocytes and decreases apoptosis what is mediated through MAP/PIP 3/Akt pathway[6]. do you mean adipocytes? Please correct. Results: Figure 2, add receptor to the description under the table Table 2: indicate what Yes and No means under the table. Table 3: indicate what P, N, Rho under the table. Discussion: The results are repeated under this section, which is not required. Instead, need to write more on other similar studies, and justify the differences between your findings and their findings. Need to explain the result part related to the expression of ghrelin and ghrelin receptors on the adjacent tissues. The similar studies and the significance of these findings. The discussion part will benefit from adding the strengths and weakness of the study as well as limitations. You may add a paragraph on the significance and impact of this study. Throughout the manuscript, there are sentences that are not clear in meaning and require editing. Thank you

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Name of journal: *World Journal of Gastrointestinal Surgery*

Manuscript NO: 69211

Title: Expression of adipokine ghrelin and ghrelin receptor in human colorectal adenoma and correlation with the grade of dysplasia

Reviewer's code: 05084456

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Postdoctoral Fellow

Reviewer's Country/Territory: Belgium

Author's Country/Territory: Croatia

Manuscript submission date: 2021-06-28

Reviewer chosen by: AI Technique

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Reviewer performed review: 2021-07-18 02:04

Review time: 8 Days and 13 Hours

Scientific quality	<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
Language quality	<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
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Peer-reviewer statements	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

The Authors reported expression of adipokine ghrelin and ghrelin receptor in human colorectal adenoma and correlation with the grade of dysplasia. This study is simple, but I think it is an important finding. However, some points should be discussed. Major comments 1. It is difficult to understand the definition of ISI from the text alone, can you please illustrate it? This will help the reader to understand it better as well. 2. The authors described "Our results didn't show a positive correlation between ghrelin and ghrelin receptor in adenomas with low grade dysplasia ($P < 0,05$).\" in discussion. Isn't this a mistake for $p > 0,05$? 3. Do tumor growth factors by ghrelin, such as the ones you cited in your references 21 and 22, have a similarly heterogeneous expression in colorectal adenomas? This is important information to support the role of ghrelin in adenomas. Minor comments In Table 3, "SI for ghrelin receptor in adenoma" should be replaced by "ISI for ghrelin receptor in adenoma".