



PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 55150

Title: Sleeve gastrectomy ameliorates endothelial function and prevents lung cancer by normalizing endothelin-1 axis in obese and diabetic rats

Reviewer’s code: 02543557

Position: Peer Reviewer

Academic degree: FIAC, MD, PhD

Professional title: Professor, Research Scientist

Reviewer’s Country/Territory: United States

Author’s Country/Territory: China

Manuscript submission date: 2020-03-14

Reviewer chosen by: AI Technique

Reviewer accepted review: 2020-03-14 03:36

Reviewer performed review: 2020-03-22 10:25

Review time: 8 Days and 6 Hours

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 Grade A: Excellent [] Grade B: Very good [] Grade C: Good [] Grade D: Fair [] Grade E: Do not publish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



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

SPECIFIC COMMENTS TO AUTHORS

This study of effect of sleeve gastrectomy in preventing lung cancer in obese and diabetic rats, is very interesting. By using an obese and diabetic rat model induced by high-fat diet and streptozotocin, the authors investigated the potential effect of SG in improving endothelial function and lowering the risk of carcinogenesis by normalizing the ET-1 axis and ameliorating DNA damage using γ -H2AX, as a widely accepted biomarker of cancer. The designed of the study is very good, and the results are excellent. I recommend to accept this manuscript for publication after a minor editing.



PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 55150

Title: Sleeve gastrectomy ameliorates endothelial function and prevents lung cancer by normalizing endothelin-1 axis in obese and diabetic rats

Reviewer's code: 02857620

Position: Peer Reviewer

Academic degree: MD

Professional title: Full Professor, Professor

Reviewer's Country/Territory: Australia

Author's Country/Territory: China

Manuscript submission date: 2020-03-14

Reviewer chosen by: AI Technique

Reviewer accepted review: 2020-03-22 10:20

Reviewer performed review: 2020-03-30 01:49

Review time: 7 Days and 15 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
Conclusion	<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
Re-review	<input type="checkbox"/> Yes <input 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



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

SPECIFIC COMMENTS TO AUTHORS

This is an interesting study of the sleeve gastrectomy in preventing lung cancer in obese and diabetic rats. The experiment of the study is designed very well, aims are very clear. Methods are reasonable. Data in figures and tables are very good, and well discussed. I have no specific comments.



PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 55150

Title: Sleeve gastrectomy ameliorates endothelial function and prevents lung cancer by normalizing endothelin-1 axis in obese and diabetic rats

Reviewer's code: 02531053

Position: Peer Reviewer

Academic degree: FEBG, FRCPA, PhD

Professional title: Professor, Research Associate

Reviewer's Country/Territory: Japan

Author's Country/Territory: China

Manuscript submission date: 2020-03-14

Reviewer chosen by: AI Technique

Reviewer accepted review: 2020-03-14 03:42

Reviewer performed review: 2020-04-02 01:21

Review time: 18 Days and 21 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
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 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



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

SPECIFIC COMMENTS TO AUTHORS

Well done study. Bariatric surgeries are universally adopted and performed as an effective treatment for severe obesity, T2DM, and other related comorbidities. In addition, whether in clinical trials or animal studies, they have been shown to prevent or lower the risk of cancers, including lung cancer. Compared to these apparent effects, little is known about the underlying mechanisms of lowered cancer risk after bariatric surgery. Thus, considering the scarcity of relevant studies and the negative impacts of obesity and T2DM on endothelial function, tumor development, and the essential role of ET-1 axis in tumor pathogenesis of lung, we inferred that there may be some kind of correlation between the ET-1 axis with ameliorated endothelial function and lowered risk of cancer following bariatric surgery. The authors design the study, to find the role and effect of sleeve gastrectomy in obese and diabetic rats. The study is very interesting, and the manuscript is well written. The results are very useful in the clinicals. I have no specific comments.



PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 55150

Title: Sleeve gastrectomy ameliorates endothelial function and prevents lung cancer by normalizing endothelin-1 axis in obese and diabetic rats

Reviewer's code: 02461304

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Professor

Reviewer's Country/Territory: Germany

Author's Country/Territory: China

Manuscript submission date: 2020-03-14

Reviewer chosen by: AI Technique

Reviewer accepted review: 2020-03-19 00:47

Reviewer performed review: 2020-04-02 01:24

Review time: 14 Days

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
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 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



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

SPECIFIC COMMENTS TO AUTHORS

Very interesting study. The manuscript is well written. I only suggest the authors to remove the abbreviations in the figure 1, and list them at the figure legend.



PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 55150

Title: Sleeve gastrectomy ameliorates endothelial function and prevents lung cancer by normalizing endothelin-1 axis in obese and diabetic rats

Reviewer's code: 03490943

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Doctor, Postdoc, Teaching Assistant

Reviewer's Country/Territory: Serbia

Author's Country/Territory: China

Manuscript submission date: 2020-03-14

Reviewer chosen by: Jie Wang

Reviewer accepted review: 2020-03-22 12:55

Reviewer performed review: 2020-04-03 18:44

Review time: 12 Days and 5 Hours

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 type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input type="checkbox"/> Yes <input 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



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

SPECIFIC COMMENTS TO AUTHORS

The study is very interesting with potentially important clinical implications. However, I must raise some points that should be addressed by authors: - both Introduction and Discussion sections are too long and should be shortened - in Materials and Methods section you have stated "Based on the differences in mortality among groups estimated with our previous experience, animals were unequally and randomly divided into the following three groups."; please explain based on which data you can claim this - please, correct the following sentence in the Materials and Methods section: "Eighteen rats in the SG group survived, while 30 died of the following causes: gastric leakage (n = 3), infection (n = 3), intestinal obstruction (n = 4), and unknown cause (n = 2; inconclusive on autopsy). " - please, explain more clearly how you came up with number of 15 subjects in each study group - please, explain the meaning of the "...significant reduction to oral glucose tolerance..." appearing in the Abstract - please, revise the list of references and make it uniform in style - the whole manuscript requires the language polishing, mainly due to frequent typographical errors