



### PEER-REVIEW REPORT

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

**Manuscript NO:** 65709

**Title:** Gastrectomy impact on the gut microbiome in patients with gastric cancer: a comprehensive review

**Reviewer's code:** 05264112

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

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

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

**Manuscript submission date:** 2021-03-13

**Reviewer chosen by:** Jin-Lei Wang

**Reviewer accepted review:** 2021-03-15 13:16

**Reviewer performed review:** 2021-03-15 14:00

**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 Grade E: Do not publish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 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
<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**

The article reviews the influences of gastrectomy for gastric cancer on the the gut microbiome. The influences are characterized by oralization, an increase of aero-tolerant bacteria and increased abundance of bile acid-transforming bacteria, which are driven by an altered environment in the GI tract, including loss of gastric barrier, an increase of oxygenation levels in distal guts, and the biliary diversion after gastrectomy. But it still need well-designed and appropriate size studies to investigate the relationship between them.



### PEER-REVIEW REPORT

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

**Manuscript NO:** 65709

**Title:** Gastrectomy impact on the gut microbiome in patients with gastric cancer: a comprehensive review

**Reviewer's code:** 05721372

**Position:** Peer Reviewer

**Academic degree:** PhD

**Professional title:** Associate Professor

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

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

**Manuscript submission date:** 2021-03-13

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-03-15 04:53

**Reviewer performed review:** 2021-03-18 20:00

**Review time:** 3 Days and 15 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 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
<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**

It is a good extensive narrative review. Minor English check and spelling needed (some spaces are missing).



## PEER-REVIEW REPORT

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

**Manuscript NO:** 65709

**Title:** Gastrectomy impact on the gut microbiome in patients with gastric cancer: a comprehensive review

**Reviewer's code:** 05915235

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

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

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

**Manuscript submission date:** 2021-03-13

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-03-15 02:26

**Reviewer performed review:** 2021-03-25 16:08

**Review time:** 10 Days and 13 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 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>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**

1) The author summarized four studies investigating gut microbiome after total or subtotal gastrectomy for GC in Table 1. I think you should also summarize the ongoing clinical trials on <https://clinicaltrials.gov/>. I would like to see these fleshed out a bit more in the article, as many might not be aware of the future direction of this area. 2) The topic of GC treatment, including immunotherapy, is not brought up. Since GC was related to the poor therapeutic efficacy of chemotherapy and immunotherapy. Moreover, the commensal microbiota could affect the efficacy of chemotherapy and immunotherapy. To explore the relationship between gastrectomy's impact on the gut microbiome and GC treatment in this article might be lightening.