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

**Manuscript NO:** 92204  

**Title:** Casual associations between blood metabolites and colon cancer  

**Provenance and peer review:** Unsolicited Manuscript; Externally peer reviewed  

**Peer-review model:** Single blind  

**Reviewer’s code:** 06316516  

**Position:** Peer Reviewer  

**Academic degree:** MD  

**Professional title:** Doctor  

**Reviewer’s Country/Territory:** Turkey  

**Author’s Country/Territory:** China  

**Manuscript submission date:** 2024-01-18  

**Reviewer chosen by:** AI Technique  

**Reviewer accepted review:** 2024-01-18 16:44  

**Reviewer performed review:** 2024-01-19 09:25  

**Review time:** 16 Hours  

<table>
<thead>
<tr>
<th>Scientific quality</th>
<th>[ ] Grade A: Excellent</th>
<th>[ ] Grade B: Very good</th>
<th>[Y] Grade C: Good</th>
<th>[ ] Grade D: Fair</th>
<th>[ ] Grade E: Do not publish</th>
</tr>
</thead>
<tbody>
<tr>
<td>Novelty of this manuscript</td>
<td>[ ] Grade A: Excellent</td>
<td>[Y] Grade B: Good</td>
<td>[ ] Grade C: Fair</td>
<td>[ ] Grade D: No novelty</td>
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<tr>
<td>Creativity or innovation of this manuscript</td>
<td>[ ] Grade A: Excellent</td>
<td>[Y] Grade B: Good</td>
<td>[ ] Grade C: Fair</td>
<td>[ ] Grade D: No creativity or innovation</td>
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### Scientific significance of the conclusion in this manuscript

- [ ] Grade A: Excellent
- [ ] Grade B: Good
- [ ] Grade C: Fair
- [ ] Grade D: No scientific significance

### Language quality

- [ ] Grade A: Priority publishing
- [ ] Grade B: Minor language polishing
- [ ] Grade C: A great deal of language polishing
- [ ] Grade D: Rejection

### Conclusion

- [ ] Accept (High priority)
- [ ] Accept (General priority)
- [ ] Minor revision
- [ ] Major revision
- [ ] Rejection

### Re-review

- [ ] Yes
- [ ] No

### Peer-reviewer statements

- Peer-Review: [ ] Anonymous
- [ ] Onymous

- Conflicts-of-Interest: [ ] Yes
- [ ] No

### SPECIFIC COMMENTS TO AUTHORS

I congratulate the authors on this vital research, which reveals the significance of genetic factors in establishing the causal link between metabolites and colorectal cancer. “Casual associations between Blood Metabolites and colon cancer” reflects the main subject of the manuscript, and the abstract summarizes the work described. Keywords reflect the focus of the manuscript. The “introduction” section is also written quite adequately and allows even a reader who is not very interested in the subject to understand the study and its reasons. The “Materials and Methods” section is explained in reasonable detail, the language used has been kept simple, and the manuscript meets the requirements of biostatistics. The research objectives achieved and these results may offer fresh insight into the etiology of colorectal cancer and preventive strategies by integrating metabolomics and genomics as stated. Results are interpreted and discussed adequately, encouraging future studies to validate “metabolites & colon cancer association”. Three figures and two tables are all of good quality and appropriately illustrative. However, given the scarcity of studies directly associating these metabolites with colorectal cancer, further experimental and clinical investigations are warranted to validate these findings.
and elucidate the underlying mechanisms. The manuscript, which is concisely and coherently organized and presented appropriately, cites the latest, influential, and authoritative references. In conclusion, this study, which employs SNPs identified through GWAS as instrumental variables within a Mendelian randomization study design, has successfully identified several significant blood metabolites associated with colorectal cancer. I have no doubt that this future promising research will be followed, and we will learn more about colorectal cancer and plasma metabolites.