PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases
Manuscript NO: 90797
Title: Detection and Analysis of Serum Bile Acid Profile in Patients with Colonic Polyps
Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed
Peer-review model: Single blind
Reviewer’s code: 05845576
Position: Peer Reviewer
Academic degree: MD
Professional title: Doctor
Reviewer’s Country/Territory: Taiwan
Author’s Country/Territory: China
Manuscript submission date: 2023-12-14
Reviewer chosen by: AI Technique
Reviewer accepted review: 2024-02-01 08:22
Reviewer performed review: 2024-02-05 16:46
Review time: 4 Days and 8 Hours

<table>
<thead>
<tr>
<th>Scientific quality</th>
<th>[ ] Grade A: Excellent</th>
<th>[ ] Grade B: Very good</th>
<th>[ ] Grade C: Good</th>
<th>[ ] Grade D: Fair</th>
<th>[ ] Grade E: Do not publish</th>
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<tr>
<td>Novelty of this manuscript</td>
<td>[ ] Grade A: Excellent</td>
<td>[ ] Grade B: Good</td>
<td>[ ] Grade C: Fair</td>
<td>[ ] Grade D: No novelty</td>
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<td>Creativity or innovation of this manuscript</td>
<td>[ ] Grade A: Excellent</td>
<td>[ ] Grade B: Good</td>
<td>[ ] Grade C: Fair</td>
<td>[ ] Grade D: No creativity or innovation</td>
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This manuscript has good potential, but authors needs to give us more information. 1. The paper's conclusion is that the serum BA profile of patients with colonic polyps differs from that of normal persons. The levels of serum GCA, GCDCA, TCA, and TCDCA in the colonic polyp group are considerably elevated compared to the control group, although the DCA content is lower than that in the control group. Nevertheless, there is a contentious debate over the paper's findings, which suggest that DCA might modulate the intestinal barrier to facilitate the growth of adenomas and the formation of adenocarcinoma. It requires a more comprehensive explanation of the conflicting perspectives mentioned before. 2. I propose the inclusion of exclusion criteria pertaining to alcohol use, antibiotic usage, and specific dietary components such as bacon. These variables have the potential to influence the formation of colon polyps or alter the composition of serum bile acid profiles. 3. The authors did not provide explicit details on the time and frequency of collecting clinical information. 4. The source of the cases cited in the review just up to 2022, authors could consider to increase it up to 2023.