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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

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 Grade E: Do not publish
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
Creativity or innovation of this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation

Scientific significance of the conclusion in this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
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 checked="" 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

SPECIFIC COMMENTS TO AUTHORS

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.