

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 80457

Title: Influence of methyl donor nutrients as epigenetic regulators in colorectal cancer: A systematic review of observational studies

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05774529

Position: Editorial Board

Academic degree: FASCRS, MD, PhD

Professional title: Deputy Director

Reviewer's Country/Territory: China

Author's Country/Territory: Spain

Manuscript submission date: 2022-09-28

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-11-06 14:40

Reviewer performed review: 2022-11-13 14:01

Review time: 6 Days and 23 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 Grade E: Do not publish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 checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<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

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

Diet is a major factor in the aetiology of colorectal cancer (CRC). Dietary methyl donors might influence DNA methylation during carcinogenesis of CRC. This review attempts to discuss the relationship between the effects of methyl donor intake and polymorphisms. However, it is difficult for this review to explain the interaction between genetic and dietary data. The introduction and discussion sections of the manuscript are verbose due to lack of correlation between studies.

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Peer-review model: Single blind

Reviewer's code: 00068967

Position: Editorial Board

Academic degree: MSc, PhD

Professional title: Academic Fellow, Deputy Director, Full Professor, Professor, Senior Editor

Reviewer's Country/Territory: China

Author's Country/Territory: Spain

Manuscript submission date: 2022-09-28

Reviewer chosen by: Dong-Mei Wang

Reviewer accepted review: 2022-11-24 01:19

Reviewer performed review: 2022-12-06 08:51

Review time: 12 Days and 7 Hours

Scientific quality	<input checked="" type="radio"/> Grade A: Excellent <input type="radio"/> Grade B: Very good <input type="radio"/> Grade C: Good <input type="radio"/> Grade D: Fair <input type="radio"/> Grade E: Do not publish
Language quality	<input checked="" type="radio"/> Grade A: Priority publishing <input type="radio"/> Grade B: Minor language polishing <input type="radio"/> Grade C: A great deal of language polishing <input type="radio"/> Grade D: Rejection
Conclusion	<input type="radio"/> Accept (High priority) <input checked="" type="radio"/> Accept (General priority) <input type="radio"/> Minor revision <input type="radio"/> Major revision <input type="radio"/> 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

Dear authors: This is an very interested and important study. CRC development is of great complexity, and routinely been regarded as the results of adenomas or polyps advancement, while both of them have the complicated genetic background and signal regulations. As regarding the epigenetical mudulation, methylation is the hottest topic. However, what the mechanism of outer methyl donor can influence the methylation remaining uncertain, such as the efficacy of methyl uptake, transportation, and the final involvement in methyl related gene expression. Hence, this review seemingly has not resolved it conmprehensively, though you provide the limitation of the research about this point, that is rather another issue. Quality of the manuscript is excellent, though lacking novel findings to extend the view of readers. Based on you work, the results and conclusion may be proper. Future works should strengthen the issues which mentioned above.