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-REVIEW REPORT

Name of journal: *World Journal of Gastrointestinal Oncology*

Manuscript NO: 79346

Title: Prevention of malignant digestive system tumors should focus on the chronic inflammation

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 00504362
Position: Editorial Board
Academic degree: PhD
Professional title: Professor
Reviewer's Country/Territory: Chile
Author's Country/Territory: China

Manuscript submission date: 2022-10-28

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-11-10 11:55

Reviewer performed review: 2022-11-10 13:02

Review time: 1 Hour

Scientific quality	[ ] Grade A: Excellent [Y] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[ ] Grade A: Priority publishing [Y] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [ ] Accept (General priority) [Y] Minor revision [ ] Major revision [ ] Rejection
Re-review	[Y] Yes [ ] 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: [Y] Anonymous [ ] Onymous
	Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

This is an interesting manuscript, however, this reviewer has some concerns: The section on MECHANISM OF CHRONIC INFLAMMATION IN THE OCCURRENCE OF DIGESTIVE SYSTEM MALIGNANT TUMOR lacks a more extensive and detailed overview of the mechanistic insights on how chronic inflammation triggers relevant phenotypical changes toward the malignant transformation. It is not enough to mention a couple of enzymes and transcription factors, chronic inflammation is much more complex than what is stated in this section. This reviewer missed a section about the contributions of gut microbiota. Compelling evidence are supporting that alteration of gut microbiota, particularly the dysbiosis condition might produce enrichment in pro-inflammatory opportunistic pathogens and a decrease in butyrate-producing bacteria, which may lead to an imbalance in intestinal homeostasis that could ultimately lead to tumor formation. Nothing is mentioned about the contribution of Salmonella typhi, which is now considered an oncogenic bacteria that alter the human immune system and thus contributes to gallbladder cancer. Helicobacter pylori must be written in italics. appears as H. pylori and sometimes as helicobacter pylori. Please abbreviations must be defined in the first use.

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-REVIEW REPORT

Name of journal: *World Journal of Gastrointestinal Oncology*

Manuscript NO: 79346

Title: Prevention of malignant digestive system tumors should focus on the chronic inflammation

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 00503405
Position: Editorial Board
Academic degree: MD, PhD

Professional title: Senior Lecturer, Senior Scientist

Reviewer's Country/Territory: Hungary

Author's Country/Territory: China

Manuscript submission date: 2022-10-28

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-11-11 06:26

Reviewer performed review: 2022-11-11 10:48

Review time: 4 Hours

Scientific quality	[ ] Grade A: Excellent [ ] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [Y] Grade E: Do not publish
Language quality	[ ] Grade A: Priority publishing [ ] Grade B: Minor language polishing [Y] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [ ] Accept (General priority) [ ] Minor revision [ ] Major revision [Y] Rejection
Re-review	[ ] Yes [Y] 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: [Y] Anonymous [ ] Onymous
	Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

Based on the title of the article, the authors undertook to summarize a very exciting and hot topic. At the same time, the description contains many misleading and incorrect statements, poorly worded sentences, and errors in the interpretation of the relationship between inflammation and tumorigenesis. In the introductory part, it should have been discussed which mechanisms can be influenced by inflammation in the GI tract to cause cancerous changes. The authors do not even mention the protumor and antitumor effects of the innate immune system, autophagy, inflammasome activation, and the plexin-semaphorin system in relation to inflammation-carcinogenesis. Mentioning these would form the basis of how it is possible to not therapeutically influence chronic inflammation with a pro-tumor effect. These sentences are false: „In acute inflammation, immunosuppression occurs after tissue repair or ends inflammation by eliminating pathogens and necrotic cells. However, in chronic inflammation, due to the lack of normal negative feedback mechanisms, immunosuppression permanently persists." Immunosuppression is not equal to anti-inflammatory immune processes. „Chronic inflammation usually triggers colon cancer through three main mechanisms, namely chromosome instability [14], microsatellite instability, and CpG island methylation." The tumorigenesis of sporadic and colitis-associated CRCs is different. This sentence is not correct. „Upon the time point when inflammation affects DSMT pathogenesis, three types can be distinguished: chronic inflammation before tumorigenesis, inflammation caused by tumor and inflammation induced by treatment." These sentences are not professionally written. Instead of these classifications, one can distinguish between inflammation-associated tumorigenesis and tumor-associated inflammation. Treatment-

7041 Koll Center Parkway, Suite 160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

induced inflammation is not the correct phrase. Though the topic is very interesting, the manuscript is not acceptable for publication in its current form.

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-REVIEW REPORT

Name of journal: *World Journal of Gastrointestinal Oncology*

Manuscript NO: 79346

Title: Prevention of malignant digestive system tumors should focus on the chronic inflammation

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 04062289
Position: Peer Reviewer
Academic degree: MD, PhD
Professional title: Academic Research, Surgeon, Surgical Oncologist
Reviewer's Country/Territory: Japan
Author's Country/Territory: China

Manuscript submission date: 2022-10-28
Reviewer chosen by: Dong-Mei Wang
Reviewer accepted review: 2022-12-14 23:33
Reviewer performed review: 2022-12-20 07:07
Review time: 5 Days and 7 Hours

Scientific quality	[Y] Grade A: Excellent [ ] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[Y] Grade A: Priority publishing [ ] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[Y] Accept (High priority) [ ] Accept (General priority) [ ] Minor revision [ ] Major revision [ ] Rejection
Re-review	[Y] Yes [ ] 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: [Y] Anonymous [ ] Onymous
	Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

This paper is a well-written review article summarizing oncological role of chronic inflammation in carcinogenesis and tumor progression of gastrointestinal malignant tumor. The treatment strategy for cancers with a chronic inflammatory background is very important because prevention is possible by treating the cause of the chronic inflammation. Those involved in the treatment of gastrointestinal cancers need to be knowledgeable about cancers with a chronic inflammatory background, and this review article is useful from that perspective. As noted in Figure 2 of this paper, the strongest and most significant message seems to be that medical intervention early in life for chronic inflammation can reduce the risk of subsequent carcinogenesis. This paper clearly summarizes the impact of chronic inflammation in colorectal, hepatocellular, and gastric cancer and its preventive measures, and no special additions or corrections seem necessary.