

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastrointestinal Oncology*

Manuscript NO: 84814

Title: Clinical value of serum pepsinogen in the diagnosis and treatment of gastric diseases

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 00030847

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Professor

Reviewer's Country/Territory: Japan

Author's Country/Territory: China

Manuscript submission date: 2023-03-28

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-03-28 14:37

Reviewer performed review: 2023-03-30 09:58

Review time: 1 Day and 19 Hours

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| Scientific quality | <input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input checked="" type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish |
| Novelty 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 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 |

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| Scientific significance of the conclusion in 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 scientific significance |
| 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 type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input checked="" type="checkbox"/> Rejection |
| Re-review | <input type="checkbox"/> Yes <input checked="" 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 review article describes the usefulness of blood pepsinogen measurement for screening diagnosis of *Helicobacter pylori* infection, gastric ulcer, atrophic gastritis and gastric cancer. A number of review papers have been published on pepsinogen. In addition, there are a number of misstatements, for example in the journal title, and although it is important to go back to the starting point and discuss the issue, no clinical significance can be found in this paper.

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Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 02954019

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Associate Professor

Reviewer's Country/Territory: Japan

Author's Country/Territory: China

Manuscript submission date: 2023-03-28

Reviewer chosen by: Geng-Long Liu

Reviewer accepted review: 2023-05-06 03:29

Reviewer performed review: 2023-05-06 09:48

Review time: 6 Hours

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| 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 |
| Novelty of this manuscript | <input checked="" type="radio"/> Grade A: Excellent <input type="radio"/> Grade B: Good <input type="radio"/> Grade C: Fair <input type="radio"/> Grade D: No novelty |
| Creativity or innovation of this manuscript | <input type="radio"/> Grade A: Excellent <input checked="" type="radio"/> Grade B: Good <input type="radio"/> Grade C: Fair <input type="radio"/> Grade D: No creativity or innovation |

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| 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 excellent review discusses the pathogenesis of pepsinogen, its time-course change after eradication therapy, and its relationship to gastritis, gastric cancer, and other gastric diseases. There is an “ABC classification”, a serological screening method that assesses the risk of gastric cancer by assessing PG and H. pylori antibody titers, which should also be mentioned. It has been reported to be more effective than radiographic screening in detecting gastric cancer and is divided into four groups: Group A with PG(-) and H. pylori (-), Group B with PG(-) and H. pylori (+), Group C with PG(+) and H. pylori (+), and Group D with PG(+) and H. pylori (-), with the risk increasing from Group A to Group D. It should also be mentioned that the misclassification of high-risk atrophic gastritis patients in Group A is a weak point, and that previous H. pylori-infection induced atrophic gastritis cases induced by incidental antibiotic use is the main cause of this misclassification.

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Peer-review model: Single blind

Reviewer's code: 00058401

Position: Editorial Board

Academic degree: N/A, MD

Professional title: Doctor, Emeritus Professor, Professor

Reviewer's Country/Territory: Brazil

Author's Country/Territory: China

Manuscript submission date: 2023-03-28

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-04-13 23:17

Reviewer performed review: 2023-05-07 21:56

Review time: 23 Days and 22 Hours

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| Scientific quality | <input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish |
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| | Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |

SPECIFIC COMMENTS TO AUTHORS

To Editors The manuscript is excellent and deserves be published. We regret however that the authors did not discuss the metabolism of the pepsinogen extruded from the stomach and the complications of the long term use pf PPI .All these matters were focused in the work . Review Pharmacol Res . 2000 Mar;41(3):265-81. doi: 10.1006/phrs.1999.0586.Pepsinogens: physiology, pharmacology pathophysiology and exercise I Gritti 1, G Banfi, G S Roi Affiliations expand PMID: 10675278IF: 10.334 Q1 DOI: 10.1006/phrs.1999.0586IF: 10.334 Q1 To authors Congratulations. We regreted no mention to work above, Congratulation.