

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastrointestinal Oncology

**Manuscript NO:** 53086

**Title:** Evaluation of the value of multiparameter combined analysis of serum markers in the early diagnosis of gastric cancer

**Reviewer's code:** 02530872

**Position:** Peer Reviewer

**Academic degree:** FEBG, MBS-HCA, MD

**Professional title:** Associate Professor, Research Scientist, Senior Lecturer

**Reviewer's country:** Ireland

**Author's country:** China

**Manuscript submission date:** 2019-12-21

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2019-12-25 01:18

**Reviewer performed review:** 2020-01-12 08:14

**Review time:** 18 Days and 6 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input checked="" type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input checked="" type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No



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## **SPECIFIC COMMENTS TO AUTHORS**

Authors aimed to improve the diagnostic value of blood markers for gastric cancer. The study is well performed. This is an excellent speriental work conducted with method and scientific rigor. The sample size is big, the inclusion criteria and exclusion criteria are reasonable, and clear. Results are interesting, and well discussed. Some minor spelling mistakes should be checked and corrected, such as, "area uner curve (AUC)" in the Data analysis section, should be "area under curve", "evaluating the abilityof coagulation and fibrinolysis" in the first paragraph of discussion, line 10, the blank between ability and of are missing. Anyway, the manuscript is very well written. After a minor revision, it can be published.

## **INITIAL REVIEW OF THE MANUSCRIPT**

### ***Google Search:***

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

### ***BPG Search:***

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastrointestinal Oncology

**Manuscript NO:** 53086

**Title:** Evaluation of the value of multiparameter combined analysis of serum markers in the early diagnosis of gastric cancer

**Reviewer's code:** 02282572

**Position:** Peer Reviewer

**Academic degree:** FEBS, MD, PhD

**Professional title:** Chief Physician, Professor, Research Scientist, Senior Lecturer

**Reviewer's country:** Germany

**Author's country:** China

**Manuscript submission date:** 2019-12-21

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2019-12-25 01:17

**Reviewer performed review:** 2020-01-12 08:27

**Review time:** 18 Days and 7 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input checked="" type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input checked="" type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input checked="" type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

#### **SPECIFIC COMMENTS TO AUTHORS**

In this article, the authors evaluated the value of multiparameter combined analysis of serum markers in the early diagnosis of gastric cancer. Their data show good diagnostic accuracy especially in early stages of gastric cancer, and provide a new potential method for the early diagnosis of gastric cancer in clinical practice. Some minor points should be addressed:- please edit the structure of table 1. - Figures are too small, please check and update - language needs minor correction.

#### **INITIAL REVIEW OF THE MANUSCRIPT**

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##### ***BPG Search:***

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## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastrointestinal Oncology

**Manuscript NO:** 53086

**Title:** Evaluation of the value of multiparameter combined analysis of serum markers in the early diagnosis of gastric cancer

**Reviewer's code:** 02440910

**Position:** Peer Reviewer

**Academic degree:** FCPS, MBBS, PhD

**Professional title:** Assistant Professor, Associate Professor, Research Fellow, Research Scientist

**Reviewer's country:** Brazil

**Author's country:** China

**Manuscript submission date:** 2019-12-21

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2019-12-25 01:18

**Reviewer performed review:** 2020-01-12 08:37

**Review time:** 18 Days and 7 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
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<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	(High priority)	<input type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejection	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not publish		<input type="checkbox"/> Minor revision	topic of the manuscript:
		<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input type="checkbox"/> No

## SPECIFIC COMMENTS TO AUTHORS

Excellent study of analysis of the routine blood detection indexes of GC diagnosis. Only the manuscript include the abstract requires a minor editing, both the format and language. Please take attention to some minor spelling mistakes.

## INITIAL REVIEW OF THE MANUSCRIPT

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### *BPG Search:*

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- ☐ No

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastrointestinal Oncology

**Manuscript NO:** 53086

**Title:** Evaluation of the value of multiparameter combined analysis of serum markers in the early diagnosis of gastric cancer

**Reviewer's code:** 02446277

**Position:** Editorial Board

**Academic degree:** PhD

**Professional title:** Research Assistant Professor, Senior Scientist

**Reviewer's country:** Romania

**Author's country:** China

**Manuscript submission date:** 2019-12-21

**Reviewer chosen by:** Jie Wang

**Reviewer accepted review:** 2020-01-10 08:19

**Reviewer performed review:** 2020-01-17 08:20

**Review time:** 7 Days

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
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		<input checked="" type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

## **SPECIFIC COMMENTS TO AUTHORS**

The manuscript submitted by Zhang Zhi-Guo et. al. is proposing a multiparametric analysis model based on binary logistic regression, discriminant analysis, classification tree analysis and artificial neural network, for the ability to distinguish between controls vs gastric cancers vs gastric polyp based on serum markers. The major problem is that we are not told anywhere in the text which are the analyzed indexes on which the statistical analysis was made. The entire manuscript should be constructed around the markers identified as being significantly associated with a particular type of pathology. The markers should be named. It would be useful to specify if an association of several markers has been identified that can be used as an early diagnostic panel. Also, if there is a panel of serum markers for progression from polyp to gastric cancer. If the markers are not specified, the manuscript has no clinical or scientific value. At the moment it appears only as a statistical data collection. Comments: 1. The ORCID profiles are not public. 2. Page 7: what does GPC mean? 3. Some minor spelling mistakes; better correct them: - Two misspell words in core tip: "...caner may be provided for clinicl practice. - "Among these indexes, the largest AUC in Ctrlvs GC was and ALB, with values of 0.907" (page 7) - "Abilityof", "repid" - page 9 4. A table with indexes that have significantly different values between Ctrl-GP, Ctrl-GC, as well as Ctrl-GC, would be particularly useful. The value of the cut-off and the percentage for sensitivity and specificity should be included as well.

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☐ Plagiarism

☐ No

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☐ No