

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 42024

Title: Biomarkers and potential pathogenesis of colorectal cancer-related ischemic stroke

Reviewer's code: 03730829

Reviewer's country: Egypt

Science editor: Ruo-Yu Ma

Date sent for review: 2018-09-18

Date reviewed: 2018-09-20

Review time: 1 Day

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 type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input checked="" 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

The authors aimed to investigate the specific biomarkers and potential pathogenesis of colorectal cancer-related ischemic stroke (CRCIS) . A good job they did; However; there are major issues: 1- The study was retrospective which introduces bias into the results of the research. 2- Sample size calculation and the power of the study are so important and



**Baishideng
Publishing
Group**

7901 Stoneridge Drive, Suite 501,
Pleasanton, CA 94588, USA
Telephone: +1-925-223-8242
Fax: +1-925-223-8243
E-mail: bpgoffice@wjgnet.com
<https://www.wjgnet.com>

should be added in the study design and in the methods section as you are investigating the specific biomarkers and potential pathogenesis of colorectal cancer-related ischemic stroke; so is this sample sufficient or not? It is important question to answer to get a valid conclusion. 3- You arrived to conclusion that hypercoagulability induced by elevated carcinoembryonic antigen and increased neutrophil count are the main pathogenic factors in CRCIS. You should further explain in discussion to the readers the exact pathogenesis of hypercoagulability caused by increased neutrophil count and by increased carcinoembryonic antigen.

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 Gastroenterology

Manuscript NO: 42024

Title: Biomarkers and potential pathogenesis of colorectal cancer-related ischemic stroke

Reviewer's code: 02982391

Reviewer's country: Saudi Arabia

Science editor: Ruo-Yu Ma

Date sent for review: 2018-10-17

Date reviewed: 2018-10-19

Review time: 2 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 checked="" type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input checked="" 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 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

This is a well designed manuscript and it addresses an important topic in gastroenterology, neurology and haematology. It is a potential good research paper for this journal. I have a few comments for the authors. 1. The authors may need to explain further why did they decided to choose these biomarkers in their study and did not test

other potential biomarkers such as soluble ST2, Serum IL6, miR-146b (Chen et al 2018).

2. Other researchers have found D-dimer as a potential risk factor in this group of patients and I think this paper adds to our knowledge in this area. The authors may need to read and cite these two studies: Wang JY, Zhang GJ, Zhuo SX, Wang K, Hu XP, Zhang H, Qu LD. D-dimer >2.785 µg/ml and multiple infarcts ≥3 vascular territories are two characteristics of identifying cancer-associated ischemic stroke patients. *Neurol Res.* 2018 Nov;40(11):948-954. Li J, Gu C, Li D, Chen L, Lu Z, Zhu L, Huang H. Effects of serum N-terminal pro B-type natriuretic peptide and D-dimer levels on patients with acute ischemic stroke. *Pak J Med Sci.* 2018 Jul-Aug;34(4):994-998. doi: 10.12669/pjms.344.15432. 3. The authors did not study several other biomarkers, therefore I would recommend that they make changes to their conclusions about the index or only limiting the scope of their conclusions by just reporting their findings. May be in the future there will be a study on a bigger number of patients covering 10 or so markers and in such situations you may discuss CRCIS Index.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

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

BPG Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism



**Baishideng
Publishing
Group**

7901 Stoneridge Drive, Suite 501,
Pleasanton, CA 94588, USA

Telephone: +1-925-223-8242

Fax: +1-925-223-8243

E-mail: bpgoffice@wjgnet.com

<https://www.wjgnet.com>

[Y] No