

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 58405

Title: Blockage of ETS homologous factor inhibits the proliferation and invasion of gastric cancer cells through c-Met pathway

Reviewer's code: 02841708

Position: Peer Reviewer

Academic degree: PhD

Professional title: Professor

Reviewer's Country/Territory: China

Author's Country/Territory: China

Manuscript submission date: 2020-07-21

Reviewer chosen by: Jia-Ping Yan

Reviewer accepted review: 2020-08-27 06:20

Reviewer performed review: 2020-08-27 07:13

Review time: 1 Hour

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 Grade E: Do not publish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 type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input 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



**Baishideng
Publishing
Group**

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

SPECIFIC COMMENTS TO AUTHORS

Author concluded that EHF plays a key role in cell proliferation, invasion, apoptosis, the cell cycle and EMT via the c-Met pathway, and results were from 3 gastric cancer cell lines. However, the evidence was not enough to support the conclusion. 1.In clinical samples, IHC should be used to detect expression of EHF. 2.More detailed molecular mechanisms should be investigated. 3.More proliferation, invasion, apoptosis related genes should be tested. 4.English should be revised.

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 58405

Title: Blockage of ETS homologous factor inhibits the proliferation and invasion of gastric cancer cells through c-Met pathway

Reviewer's code: 02445408

Position: Peer Reviewer

Academic degree: PhD

Professional title: Associate Professor, Doctor

Reviewer's Country/Territory: Cuba

Author's Country/Territory: China

Manuscript submission date: 2020-07-21

Reviewer chosen by: Jia-Ping Yan

Reviewer accepted review: 2020-09-01 05:01

Reviewer performed review: 2020-09-25 01:58

Review time: 23 Days and 20 Hours

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
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 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



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E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

SPECIFIC COMMENTS TO AUTHORS

Blockage of ETS homologous factor inhibits the proliferation and invasion of gastric cancer cells through c-Met pathways Title: In 17 words (it should be no more than 12 words) included key elements of the studied: being ETS homologous factor a member of ETS family of relevant activity in the pathogenesis of multiple cancers, but nowadays it is not clear if its participation in gastric cancer is via c-Met signaling pathway Autorship: Is correct. Institutions: are correct ORCID number is correct Authors contribution is correct Abstract. Is a structured abstract according to the required format. In 305 words authors showed a summary of the content of the manuscript. Key words: 5 that reflect the content of the study Core Tip: In 76 words author reflect properly aspects that should call attention to the readers Background: It is a basic study with a high importance for the clinical practice. Gastric cancer is a common disease and important cause of cancer-related mortality. Clinical behavior and risk factors are known. Surgery represents the principal therapeutic option, but the five years overall survival is poor. Authors consider of crucial interest to investigate more about the oncogenic mechanism in gastric cancer. Activation of Met signaling promotes tumor cell growth, survival, migration and tumor angiogenesis. Its activation can be by several pathways, but this have not sufficiently explored. Then they proposed to investigated if epithelium homologous transcription factor expression in gastric cancer is involved in the biological behavior of gastric cancer via promoting c-Met expression. That is the rational of this work Method: Authors made the detailed description of the investigations: the tissue sampling procedure, cell culture, Transfection of small interfering RNAs, Quantitative real-time PCR and so on. Results: Authors demonstrated that the expression of c-Met was increased in gastric tumors tissue and cell lines with high EHG expression, they fulfill the aim of the study. Discussion: Authors made a



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detailed an informative discussion of the results. They interpreted properly and precisely all the finding, highlighting that EHF plays a key role in cell proliferation, invasion, apoptosis, the cell cycle and EMT via the c-Met pathway that is significant for the medical practice in future Illustrations: They show 6 figures with their corresponding legend. All figures are showing clearly making and adequate support of the results Biostatistics: This work met the requirements of biostatistics References: Authors cited properly actualized references of high interest for their propose in introduction and discussion Organization of the study: It was properly organized Research method reporting. As a basic study it have been reported according with the corresponding guidelines Comments to the author In this manuscript authors confirmed the hypotheses that EHF plays a key role in cell proliferation, invasion, apoptosis, the cell cycle and EMT via the c-Met pathway. The relevance of this study is according to the interest of the scientific community to achieve a target treatment for gastric cancer by the via of the inhibition of important issue in the cascade of events in the molecular develop of this deadly disease following investigators perspective that refers I the work: EHF may serve as a antineoplastic target for the diagnosis and treatment of GC It is necessary to make further investigations like this with a wide number of patients involved. This was recognized by authors as a point of recommendation for the future