

PEER-REVIEW REPORT

Name of journal: World Journal of Gastrointestinal Oncology

Manuscript NO: 67322

Title: Regulatory role of the TGF- β signalling pathway in the drug resistance of gastrointestinal cancers

Reviewer's code: 05384570

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Malaysia

Author's Country/Territory: China

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Reviewer chosen by: AI Technique

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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 Grade E: Do not publish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 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 is an interesting review. I have a few comments regarding the review: 1. 'Gastrointestinal (GI) cancers, including oesophagal cancer (EC), gastric cancer (GC), and colorectal cancer (CRC), are the most prevalent types of malignant carcinomas and they account for a large number of cancer deaths according to the global cancer statistics'. It will be good to provide relevant statistics in percentages instead of saying 'large number'.

2. Please defined the abbreviation ABC transporter in the first account. 3. Figures and diagrams on the mechanisms of chemoresistance and TGF- β signalling pathway will be useful. 4. Mechanisms of action of different chemotherapy should be added in the conventional chemotherapy section. 5. The report would be more interesting if the authors can provide clinical data, i.e. chemotherapy resistance on patients with GI cancers reported in different case reports or clinical study on top on experimental data. 6. The authors should discuss on the prognosis of patients with chemotherapy resistance GI cancers based on clinical data, the alternatives i.e. expand further on small-molecule inhibitors of TGF- β signalling and future direction of research on this topics.