

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 83762

Title: BanXiaXieXin decoction treating gastritis mice with drug-resistant *Helicobacter pylori* and its mechanism

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06078832

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Egypt

Author's Country/Territory: China

Manuscript submission date: 2023-03-02

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-03-06 06:49

Reviewer performed review: 2023-03-08 03:16

Review time: 1 Day 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 Grade E: Do not publish
Novelty of 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 novelty
Creativity or innovation of 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 creativity or innovation

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 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 checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input 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

SPECIFIC COMMENTS TO AUTHORS

I am very excited to read Xiao-hua Li et al.'s manuscript on the study of the therapeutic effect of Banxia Xiexin Decoction on gastritis mice with drug-resistant *Helicobacter pylori* in vivo and in vitro, and explain its mechanism of action. The paper is well-organized, which gives a detailed overview about the study background and abundant methodologies to verify the authors' hypothesis of the study. Moreover, the description of material studied is accurate, and the aim of the study is fulfilled. The Materials and methods section are described in great detail, leading to well-discussed Results. So, I recommend that the manuscript can be published.

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Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06078829

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Japan

Author's Country/Territory: China

Manuscript submission date: 2023-03-02

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-03-03 01:53

Reviewer performed review: 2023-03-13 01:37

Review time: 9 Days and 23 Hours

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
Novelty of 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 novelty
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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 study is very useful. Traditional Chinese medicine has complex components and a very complex mechanism of action in the body, which might be affected by multiple factors. The efficacy of BXXXT is well established, however explaining its mechanism is difficult. In this study, the authors confirm that BXXXT has good therapeutic effects on drug-resistant Hp infection through in vivo and in vitro experiments in mice, which provides an experimental basis for elaborating that BXXXT could treat refractory gastritis caused by drug-resistant bacteria. Comments 1: Are there any specific rates of resistance to clarithromycin, metronidazole and levofloxacin? Please add it to the article. Comments 2: The discussion is too simple to add more articles on the mechanism of similar drugs; Comments 3: A conclusion on the full text needs to be added at the end; Comments 4: The scale for each group needs to be added in Fig. 1E; the comments in Fig. 4 need to add the meaning of *, ** and other representatives; Comments 5: In page 10, line 5, “was ” should be “ were ”; in line 1 of table 5 on page 12, “structure” should be “structure”.

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Peer-review model: Single blind

Reviewer's code: 06129260

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: South Korea

Author's Country/Territory: China

Manuscript submission date: 2023-03-02

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-03-02 08:01

Reviewer performed review: 2023-03-13 02:21

Review time: 10 Days and 18 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
Novelty of 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 novelty
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	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

Dear author, Thank you for sharing your article entitled “Banxia Xiexin Decoction Treating Gastritis Mice with Drug-resistant Helicobacter Pylori and Its mechanism”. Your article is good in grammar and scientific writing rules. The topic is actual and well described.