Baishideng Publishing Group

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

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 83404

Title: Metronomic Capecitabine Inhibits Liver Transplant Rejection in Rats by Triggering Recipients' T Cell Ferroptosis

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03742333
Position: Editorial Board
Academic degree: FACS, MD, PhD
Professional title: Doctor, Full Professor, Professor, Surgeon
Reviewer's Country/Territory: Brazil
Author's Country/Territory: China

Manuscript submission date: 2023-01-21

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-01-24 18:36

Reviewer performed review: 2023-01-25 15:15

Review time: 20 Hours

Scientific quality	[ ] Grade A: Excellent [ ] Grade B: Very good [Y] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Novelty of this manuscript	[ ] Grade A: Excellent [Y] Grade B: Good [ ] Grade C: Fair [ ] Grade D: No novelty
Creativity or innovation of this manuscript	[ ] Grade A: Excellent [Y] Grade B: Good [ ] Grade C: Fair [ ] Grade D: No creativity or innovation

Baishideng Publishing Group

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

Scientific significance of the conclusion in this manuscript	[ ] Grade A: Excellent [ ] Grade B: Good [Y] Grade C: Fair [ ] Grade D: No scientific significance
Language quality	[ ] Grade A: Priority publishing [Y] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [ ] Accept (General priority) [ ] Minor revision [ ] Major revision [Y] Rejection
Re-review	[Y] Yes [ ] No
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous
	Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

I have read with great interest the manuscript entitled "Metronomic Capecitabine Inhibits Liver Transplant Rejection in Rats by Triggering Recipients' T Cell Ferroptosis", submitted to the World Journal of Gastroenterology. The manuscript is well written, and all the experiments were conducted in accordance with the highest standards. Nevertheless, I have a few comments: MAJOR The major concern in the study is related to the study design. More specifically, how it translates or reproduces clinical practice; this is because, apparently, there was no initial immunosuppression to the transplanted rats from the control group until 7 days. This is not a routine practice of any centre. Therefore, I wonder if the effects seen were just a consequence and what would be this effect on the administration of the gold standard (tacrolimus). MINOR The Conclusion section in the abstract and the main text must be amended. It must state that all the findings were verified experimentally in a rat model. The same applies to the core tip. The discussion must emphasise how feasible the utilisation of the medication is after liver transplantation, considering the adverse effects. In addition, do the authors propose its use for the recurrence of HCC after liver transplantation? Or in cases of HCC

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

transplants?

Baishideng Publishing Group

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

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 83404

Title: Metronomic Capecitabine Inhibits Liver Transplant Rejection in Rats by Triggering Recipients' T Cell Ferroptosis

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06468328
Position: Peer Reviewer
Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Korea

Author's Country/Territory: China

Manuscript submission date: 2023-01-21

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-01-28 10:56

Reviewer performed review: 2023-02-06 02:06

Review time: 8 Days and 15 Hours

Scientific quality	[ ] Grade A: Excellent [ ] Grade B: Very good [Y] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Novelty of this manuscript	[ ] Grade A: Excellent [Y] Grade B: Good [ ] Grade C: Fair [ ] Grade D: No novelty
Creativity or innovation of this manuscript	[ ] Grade A: Excellent [ ] Grade B: Good [Y] Grade C: Fair [ ] Grade D: No creativity or innovation

Baishideng Publishing Group

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

Scientific significance of the conclusion in this manuscript	[ ] Grade A: Excellent [Y] Grade B: Good [ ] Grade C: Fair [ ] Grade D: No scientific significance
Language quality	[Y] Grade A: Priority publishing [ ] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [Y] Accept (General priority) [ ] Minor revision [ ] Major revision [ ] Rejection
Re-review	[Y] Yes [ ] No
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous
	Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

This study is well-written, concise, and coherently organized, and identifies the role of metronomic CAP in patients with LT. The study flow and results are clear. 1. The authors confirmed the effect of CAP on CD3 T cells. Among T cells, which of CD4+ or CD8+ cells is affected by CAP. 2.It is recommended to change the expression from '5-Fu' to '5-FU'.

Baishideng Publishing Group

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

RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 83404

Title: Metronomic Capecitabine Inhibits Liver Transplant Rejection in Rats by Triggering Recipients' T Cell Ferroptosis

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03742333
Position: Editorial Board
Academic degree: FACS, MD, PhD
Professional title: Doctor, Full Professor, Professor, Surgeon
Reviewer's Country/Territory: Brazil
Author's Country/Territory: China

Manuscript submission date: 2023-01-21

Reviewer chosen by: Jia-Ru Fan

Reviewer accepted review: 2023-04-01 21:01

Reviewer performed review: 2023-04-01 21:27

Review time: 1 Hour

Scientific quality	[ ] Grade A: Excellent [Y] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[ ] Grade A: Priority publishing [Y] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [Y] Accept (General priority) [ ] Minor revision [ ] Major revision [ ] Rejection
Peer-reviewer	Peer-Review: [Y] Anonymous [ ] Onymous

Baishideng Publishing Group

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

statements	Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

The authors clarified the major concerns satisfactorily and amended the manuscript in accordance.