

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastrointestinal Oncology*

Manuscript NO: 74981

Title: Evaluation of short-term effects of drug-loaded microspheres TACE and traditional TACE in the treatment of advanced liver cancer

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06143356

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Assistant Professor

Reviewer's Country/Territory: United States

Author's Country/Territory: China

Manuscript submission date: 2022-08-01

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-08-07 02:06

Reviewer performed review: 2022-08-20 11:02

Review time: 13 Days and 8 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 Grade E: Do not publish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: ☒ Anonymous ☐ Onymous

Conflicts-of-Interest: ☐ Yes ☒ No

SPECIFIC COMMENTS TO AUTHORS

TACE is recommended as the first-line treatment for the patients have no chance of surgery when they are diagnosed. The cTACE uses iodized oil and gelatin sponges as the main embolization materials and injects chemotherapeutic drugs and iodized oil into the tumor feeding artery to achieve a dual effect of embolization and chemotherapy. Nowadays, DEBs have been gradually applied in TACE technology as D-TACE. The D-TACE seems easier to standardize than cTACE. In this study, the authors investigated the effect and systemic response of chemotherapy drugs in TACE under the new local drug delivery mode. Overall, the aim of this study is clear, and the methods are clearly described. After a minor revision, this manuscript can be accepted for publication.

Comments: 1. The results section is missing in the abstract, please check and add it. And the background and conclusion in the abstract are too long. 2. The figures should be described in the main text. 3. The references should be edited and updated.

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Peer-review model: Single blind

Reviewer's code: 06143370

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Assistant Professor

Reviewer's Country/Territory: Denmark

Author's Country/Territory: China

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Language quality	<input checked="" type="checkbox"/> Grade A: Priority publishing <input 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: [☒] Anonymous [☐] Onymous

Conflicts-of-Interest: [☐] Yes [☒] No

SPECIFIC COMMENTS TO AUTHORS

This is an interesting study of the short-term effects of drug-loaded microspheres TACE and traditional TACE in the treatment of advanced liver cancer. This study is well designed and well performed. The authors found that drug-loaded microsphere TACE may have some advantages in the treatment of advanced hepatocellular carcinoma with a large tumor load in the short term. The conclusion is reasonable. The manuscript is well written. The reviewer has no specific comments to the authors. Only a minor editing is required for the manuscript.

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Peer-review model: Single blind

Reviewer's code: 06143346

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: United States

Author's Country/Territory: China

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Re-review	<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: bpgoffice@wjgnet.com
https://www.wjgnet.com

Peer-reviewer statements	Peer-Review: [Y] Anonymous [] Onymous Conflicts-of-Interest: [] Yes [Y] No
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SPECIFIC COMMENTS TO AUTHORS

I read this manuscript with great interesting. The study is well performed. The findings in this study are interesting. The samples in the study are enough. The tables require to be re-arranged. And some minor language polishing should be corrected.