

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 55707

Title: Role of Simultaneous Transcatheter Arterial Chemoembolization and Portal Vein Embolization Prior to Scheduled Major Hepatectomy for Patients with Large Hepatocellular Carcinoma

Reviewer's code: 03765071

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Doctor

Reviewer's Country/Territory: Japan

Author's Country/Territory: China

Manuscript submission date: 2020-03-30

Reviewer chosen by: Jia-Ping Yan

Reviewer accepted review: 2020-05-10 04:12

Reviewer performed review: 2020-05-13 08:23

Review time: 3 Days and 4 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 Grade E: Do not publish
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	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous

statements

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

SPECIFIC COMMENTS TO AUTHORS

In the present manuscript, Zhang C et al. evaluated the clinical results of simultaneous TACE with PVE as a preoperative treatment for large hepatocellular carcinoma. They concluded that this approach was safe and contributed to shorten the waiting period before surgery, resulted in favorable surgical outcomes. The major concern of simultaneous TACE and PVE is liver parenchymal infarction followed by liver dysfunction, especially in patients with cirrhosis. The present series included patients with good liver function (ICGR15 <10%), and this may be the reason why no liver failure was encountered after simultaneous TACE and PVE. This point is important and to be emphasized in this paper. 1. If the authors measured portal pressure, these data may be important. PVE can be a tolerance test of sudden increase in portal pressure induced after a major hepatic resection. 2. Preoperative sequential TACE and PVE for hepatocellular carcinoma was first reported by Makuuchi's group (Arch Surg 2004). This first report should be cited. The report by Nakao et al. (Radiology 1986) documented increase tumor necrosis induced by this approach and did not propose a preoperative approach to extend surgical indications.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Reviewer's code: 03765071

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Doctor

Reviewer's Country/Territory: Japan

Author's Country/Territory: China

Manuscript submission date: 2020-03-30

Reviewer chosen by: Ze-Mao Gong

Reviewer accepted review: 2020-06-30 10:29

Reviewer performed review: 2020-07-01 01:57

Review time: 15 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
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
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

In the revised manuscript, the authors have responded appropriately to the questions raised by the reviewers. Therefore, I have no additional comments to the revised manuscript.