

## PEER-REVIEW REPORT

**Name of journal:** *World Journal of Gastrointestinal Oncology*

**Manuscript NO:** 66481

**Title:** Radiofrequency Ablation in the Management of Primary Hepatic and Biliary Tumors

**Provenance and peer review:** Invited manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 02543955

**Position:** Peer Reviewer

**Academic degree:** FEBS, MD

**Professional title:** Associate Professor, Senior Researcher, Surgical Oncologist

**Reviewer's Country/Territory:** Germany

**Author's Country/Territory:** United States

**Manuscript submission date:** 2021-03-28

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-03-30 17:09

**Reviewer performed review:** 2021-04-19 03:09

**Review time:** 19 Days and 10 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 Grade E: Do not publish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 type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

<b>Peer-reviewer statements</b>	Peer-Review: [ <input checked="" type="radio"/> ] Anonymous [ <input type="radio"/> ] Onymous Conflicts-of-Interest: [ <input type="radio"/> ] Yes [ <input checked="" type="radio"/> ] No
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## SPECIFIC COMMENTS TO AUTHORS

The mini-review by Henriques et al. summarizes the data and technique of radiofrequency ablation(RFA) in hepatic and biliary tumors. This is an interesting issue. However, some point should be addressed before publishing: Major points: 1. The authors strictly focus on RFA. However, for readers that are not experts in this field, a section that describes other ablation techniques (e.g. microwave ablation (MWA) or IRE) would be interesting. Particularly, differences, advantages and disadvantages of either technique would be of interest. 2. The Bismuth-Corlette classification does not determine resectability in cholangiocarcinoma (CCA). In fact, this classicization only describes the local extend of perihilar CCA while intrahepatic CCA are not included. Moreover, from a surgical point of view, even Bismuth-Corlette IV tumors are resectable as published by the group from Nagoya (Br J Surg. 2018 Jun;105(7):829-838.) and others. The section on page 3 suggests that the Bismuth-Corlette classification comprises all CCA and determines resectability. This should be corrected. 3. Data regarding RFA in CCA is very much focused on perihilar CCA and the combination of RFA and stenting. The authors should also include a section regarding intrahepatic CCA. Some data is available regarding this issue. 4. Regarding the use of RFA in hepatocellular carcinoma (HCC), a major issue is the difference in recurrence free survival between surgery and ablation. This should be included. 5. Furthermore, RFA is used in combination with systemic treatment (e.g. sorafenib). This should be included. Minor points: 1. Please go through the manuscript carefully. Some spelling mistakes might be corrected. 2. The title of the manuscript suggests that all hepatic and biliary tumors are part of the review. However, only primary but not secondary tumors are included. I would suggest to adjust this.

## RE-REVIEW REPORT OF REVISED MANUSCRIPT

**Name of journal:** *World Journal of Gastrointestinal Oncology*

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**Position:** Peer Reviewer

**Academic degree:** FEBS, MD

**Professional title:** Associate Professor, Senior Researcher, Surgical Oncologist

**Reviewer's Country/Territory:** Germany

**Author's Country/Territory:** United States

**Manuscript submission date:** 2021-03-28

**Reviewer chosen by:** Li-Li Wang

**Reviewer accepted review:** 2021-07-29 16:43

**Reviewer performed review:** 2021-07-29 17:03

**Review time:** 1 Hour

<b>Scientific quality</b>	<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
<b>Language quality</b>	<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
<b>Conclusion</b>	<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
<b>Peer-reviewer</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous



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statements

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

## **SPECIFIC COMMENTS TO AUTHORS**

Thank you