

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 53626

Title: Dysregulation of microRNA in cholangiocarcinoma identified through a meta-analysis of microRNA profiling

Reviewer's code: 05207462

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Italy

Author's Country/Territory: Thailand

Manuscript submission date: 2019-12-27

Reviewer chosen by: Jin-Zhou Tang (Quit in 2020)

Reviewer accepted review: 2020-01-13 12:04

Reviewer performed review: 2020-01-20 22:51

Review time: 7 Days and 10 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 Grade E: Do not publish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 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

The present manuscript is a meta-analysis that aims to identify the miRNAs and the most significant pathways involved in the tumorigenesis of CCA. The selection of miRNA microarray datasets and data processing are accurate. I believe that the following paper might be considered for the publication in world journal of gastroenterology after minor revision,

1. The manuscript is well written in English but some language polishing is needed. - Line 17: "A miRNA" instead of "An miRNA" - Line 21: "have been discovered/were" instead of "are discovered" - Line 29: "to be associated" instead of "to associate"

2. It is not clearly reported the choice of the most representative miRNAs in miRNA up-regulated and down-regulated groups.

3. A weakness of this analysis could be the different origin of miRNAs in the different datasets. Please emphasize it.

4. Another limit is the absence of distinction between different primary tumor sites. Please clarify it.

5. In the discussion, authors should make their manuscript more appealing for clinician's readers highlighting the translational relevance of the detection of miRNA. In example given the conflicting results in adjuvant setting (please add in the reference of the manuscript Messina C et al. Adjuvant chemotherapy in resected bile duct cancer: A systematic review and meta-analysis of randomized trials. Crit Rev Oncol Hematol. 2019 Nov;143:124-129.), the detection of a specific miRNA may be associated with an increased risk of recurrence after surgery. Therefore the expression of a miRNA may predict the risk of recurrence and drive clinician's decision making to prescribe adjuvant chemotherapy. Similar emerging data are reported for several solid tumours. I.e. see Nappi L, et al. Developing a Highly Specific Biomarker for Germ Cell Malignancies: Plasma miR371 Expression Across the Germ Cell Malignancy Spectrum. J Clin Oncol. 2019 Nov 20;37(33):3090-3098.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 53626

Title: Dysregulation of microRNA in cholangiocarcinoma identified through a meta-analysis of microRNA profiling

Reviewer's code: 05207462

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Italy

Author's Country/Territory: Thailand

Manuscript submission date: 2019-12-27

Reviewer chosen by: Le Zhang

Reviewer accepted review: 2020-04-13 11:21

Reviewer performed review: 2020-04-13 14:28

Review time: 3 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 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
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

The authors clearly answered reviewer's comment. I do not have further suggestions and I believe that the manuscript can be suitable for publication.