



PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 50513

Title: Correlation of plasma miR-21 and miR-93 with radiotherapy and chemotherapy efficacy and prognosis in patients with esophageal squamous cell carcinoma

Reviewer’s code: 03806663

Reviewer’s country: Egypt

Science editor: Jin-Zhou Tang

Reviewer accepted review: 2019-08-03 14:41

Reviewer performed review: 2019-08-04 17:22

Review time: 1 Day and 2 Hours

| SCIENTIFIC QUALITY | LANGUAGE QUALITY | CONCLUSION | PEER-REVIEWER STATEMENTS |
|---|---|--|---|
| <input type="checkbox"/> Grade A: Excellent | <input type="checkbox"/> Grade A: Priority publishing | <input type="checkbox"/> Accept | Peer-Review: |
| <input type="checkbox"/> Grade B: Very good | <input checked="" type="checkbox"/> Grade B: Minor language | (High priority) | <input checked="" type="checkbox"/> Anonymous |
| <input checked="" type="checkbox"/> Grade C: Good | polishing | <input checked="" type="checkbox"/> Accept | <input type="checkbox"/> Onymous |
| <input type="checkbox"/> Grade D: Fair | <input type="checkbox"/> Grade C: A great deal of | (General priority) | Peer-reviewer’s expertise on the |
| <input type="checkbox"/> Grade E: Do not | language polishing | <input type="checkbox"/> Minor revision | topic of the manuscript: |
| publish | <input type="checkbox"/> Grade D: Rejection | <input type="checkbox"/> Major revision | <input checked="" type="checkbox"/> Advanced |
| | | <input type="checkbox"/> Rejection | <input type="checkbox"/> General |
| | | | <input type="checkbox"/> No expertise |
| | | | Conflicts-of-Interest: |
| | | | <input type="checkbox"/> Yes |
| | | | <input checked="" type="checkbox"/> No |

SPECIFIC COMMENTS TO AUTHORS

the topic is interesting, but there are some points to discuss: 1- is these biomarkers specific for esophageal squamous cell carcinoma, what about their price 2- the number of cases is relatively small. 3- some corrections in the language and grammar are in the



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INITIAL REVIEW OF THE MANUSCRIPT

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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 50513

Title: Correlation of plasma miR-21 and miR-93 with radiotherapy and chemotherapy efficacy and prognosis in patients with esophageal squamous cell carcinoma

Reviewer’s code: 01551804

Reviewer’s country: Japan

Science editor: Jin-Zhou Tang

Reviewer accepted review: 2019-08-01 09:02

Reviewer performed review: 2019-08-06 12:56

Review time: 5 Days and 3 Hours

| SCIENTIFIC QUALITY | LANGUAGE QUALITY | CONCLUSION | PEER-REVIEWER STATEMENTS |
|---|---|--|---|
| <input type="checkbox"/> Grade A: Excellent | <input type="checkbox"/> Grade A: Priority publishing | <input type="checkbox"/> Accept | Peer-Review: |
| <input type="checkbox"/> Grade B: Very good | <input checked="" type="checkbox"/> Grade B: Minor language | (High priority) | <input checked="" type="checkbox"/> Anonymous |
| <input checked="" type="checkbox"/> Grade C: Good | polishing | <input type="checkbox"/> Accept | <input type="checkbox"/> Onymous |
| <input type="checkbox"/> Grade D: Fair | <input type="checkbox"/> Grade C: A great deal of | (General priority) | Peer-reviewer’s expertise on the |
| <input type="checkbox"/> Grade E: Do not | language polishing | <input checked="" type="checkbox"/> Minor revision | topic of the manuscript: |
| publish | <input type="checkbox"/> Grade D: Rejection | <input type="checkbox"/> Major revision | <input type="checkbox"/> Advanced |
| | | <input type="checkbox"/> Rejection | <input checked="" type="checkbox"/> General |
| | | | <input type="checkbox"/> No expertise |
| | | | Conflicts-of-Interest: |
| | | | <input type="checkbox"/> Yes |
| | | | <input checked="" type="checkbox"/> No |

SPECIFIC COMMENTS TO AUTHORS

Lan XY et al.: Correlation of plasma miR-21 and miR-93with radiotherapy and chemotherapy efficacy and prognosis in patients with esophageal squamous cell carcinoma. (MS No. 50513) The authors explored the usefulness of the values of plasma



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miR-21 and miR-93 with radiotherapy and chemotherapy efficacy and prognosis in patients with esophageal squamous cell carcinoma (ESCC). They found that high expressions of miR-21 and miR-93 suffered increased risks of ineffective radiotherapy and chemotherapy as well as increased risks of death in 3 years. The manuscript is generally well written and the results seem to be clinically interesting; however, there are some points of concern that preclude the manuscript from being accepted in the journal. Specific comments: 1. The authors described that the current study was approved by the Ethics Committee. The approval number should be included. 2.

In addition to miR-21 and miR-93, multivariate analysis demonstrated that other factors such as T stage and M stage were independent risk factors and prognostic factors, suggesting that pathological and/or radiographic assessment might be enough to predict risks and prognosis. The reviewer would like to know what the superiority of miR-21 and miR-93 evaluation for ESCC patients is, compared to TNM information. The authors should discuss about these issues. 3. The authors should also suggest the speculation about the mechanism why high miR-21 and miR-93 expression induces resistance to radiotherapy and chemotherapy, although these microRNAs are known to involve in malignant phenotypes. 4. The ESCC patients with low plasma miR-21 and miR-93 values showed better 3-year OS compared to those with high microRNAs. The authors should show Kaplan-Meier curves according to the microRNA values.

INITIAL REVIEW OF THE MANUSCRIPT

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