

## PEER-REVIEW REPORT

**Name of journal:** *World Journal of Clinical Cases*

**Manuscript NO:** 61510

**Title:** Roles of Wnt/ $\beta$ -catenin signaling pathway related microRNAs in esophageal cancer

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

**Peer-review model:** Single blind

**Reviewer's code:** 05573866

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Assistant Professor

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

**Author's Country/Territory:** China

**Manuscript submission date:** 2020-12-12

**Reviewer chosen by:** Jin-Lei Wang

**Reviewer accepted review:** 2021-07-30 08:38

**Reviewer performed review:** 2021-08-06 13:46

**Review time:** 7 Days and 5 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 Grade E: Do not publish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

<b>Peer-reviewer statements</b>	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 current manuscript is interesting and well-structured. Thus, I would recommend acceptance of this manuscript after some minor corrections. According the check list I have added the following comments; The title reflects the main subject/hypothesis of the manuscript The abstract is well summarized and described the work in the manuscript. The key words reflect the focus of the manuscript Generally the manuscript is well structured, it contain one table and no illustrations. so it would be better to add a diagram including all upstream miRNA regulating Wnt/b-catenin pathway. Most of references cited in this manuscript were published in the last decade only one from 1982, and no self-citation. Comments to Authors: Authors reviewed the implementation of endogenous microRNAs (miRNA) in regulating the expression of tumor suppressor genes and oncogenes related to development of esophageal cancer. They related all effects of the mentioned miRNAs to a specific signal; Wnt/ $\beta$ -catenin pathway. Generally, it is an interesting review, however there are a number of comments and questions the authors should address, detailed below • Some of abbreviations needs to be expressed such as in page 4: lncRNA MEG3, ZNRF3 • The abbreviation of Wnt sometimes was written as Wnt and sometimes as WNT, So it is needed to be written in the same way • The same thing is related to LIN28 • What is Fzd2? give it detailed information • Spaces and punctuation needs more correction. • Give the full name of HPV-16" • Is there is a difference between HPV-16 and HPVE6 or it's a subtype. • Please provide a short notice about miRNA hsa-miR-301a • In page 7; Su H and other researchers showed that the proliferation rate of radioresistant ESCC cells KYSE-150R transfected with miR-301a was decreased, while radiosensitivity and mobility were increased. The expression of

“ radioresistant ESCC cells KYSE-150R” isn’t correct. • In page 7; Dual luciferase report analysis showed that Wnt1 was the target gene of miR-301a, suggesting that miR-301a may be a new radiosensitivity-related miRNA. the expression of “a new radiosensitivity-related miRNA” • In page 8; provide the full name of DACT3 and DVL • In page 9; provide the full name of “FU” and “DKK • You can use this reference “Serum miR-331-3p predicts tumor recurrence in esophageal adenocarcinoma” published in Scientific Report 2018 to enrich your article about other miRNAs that are related to tumor recurrence. • In page 9; ; provide the full name of “sFRP4, GSK3 $\beta$  and TLE1” • In page 10; please correct this paragraph “This study revealed a new molecular mechanism t about how t constitutive activation of Wnt/  $\beta$ -catenin pathway is maintained in cancer, and suggests that miR-942 may be a potential therapeutic target for esophageal cancer.”

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**Reviewer's code:** 05330707

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**Professional title:** Assistant Professor, Doctor

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

**Author's Country/Territory:** China

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**Reviewer accepted review:** 2021-07-30 23:33

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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
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No



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<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**

1. Esophageal squamous cell carcinoma and adenocarcinoma have different properties [1]. Please clearly state whether the authors describe squamous cell carcinoma or adenocarcinoma in each paragraph. [1] Integrated genomic characterization of oesophageal carcinoma. Nature. 2017 January 12; 541(7636): 169–175. <br> 2. Please describe whether these findings are from basic research or clinical specimens.