

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastrointestinal Oncology*

Manuscript NO: 80219

Title: miR-627-5p inhibits colorectal cancer cell proliferation, migration and invasion by targeting Wnt2

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: 2022-09-22

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-09-22 06:36

Reviewer performed review: 2022-10-01 21:13

Review time: 9 Days and 14 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 Grade E: Do not publish
Judgment by peer reviewers	Does this manuscript meet the code of ethics standards? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Does this manuscript have important novelty? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Does this manuscript have important creativity or innovation?

	<input type="checkbox"/> [31] Yes <input type="checkbox"/> [30] No Does this manuscript use reliable research methods? <input type="checkbox"/> [41] Yes <input type="checkbox"/> [40] No Are the manuscript-accompanying data and figures authentic? <input type="checkbox"/> [51] Yes <input type="checkbox"/> [50] No Does this manuscript make scientifically significant conclusions? <input type="checkbox"/> [61] Yes <input type="checkbox"/> [60] No
Language quality	<input checked="" type="checkbox"/> [Y] 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 checked="" type="checkbox"/> [Y] Accept (High priority) <input 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"/> [Y] Yes <input type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> [Y] Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> [Y] No

SPECIFIC COMMENTS TO AUTHORS

some questions need answer based on the following comments: Major correction 1) Introduction is too long and needs to be summarized. 2) In page 5: authors said “Individuals with negative colonoscopy results were selected” selected for what? 3) Section materials and methods needs more structuring, it should be subtitled. Authors need to give detailed information about the grouping, culturing, detailed information about transfection, western blot analysis, and quantitative real-time polymerase chain reaction (qRT-PCR). 4) Why authors combined a normal colonic mucosal epithelial cell line (FHC), human colon carcinoma cell lines (HCT116, RKO, and SW480), and a human embryonic kidney cell line (HEK-293T) during culturing?

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Peer-review model: Single blind

Reviewer's code: 03767650

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Director, Professor

Reviewer's Country/Territory: Japan

Author's Country/Territory: China

Manuscript submission date: 2022-09-22

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-10-09 23:31

Reviewer performed review: 2022-10-20 03:05

Review time: 10 Days and 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
Judgment by peer reviewers	Does this manuscript meet the code of ethics standards? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Does this manuscript have important novelty? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Does this manuscript have important creativity or innovation?

	<input type="checkbox"/> [J31] Yes <input type="checkbox"/> [J30] No Does this manuscript use reliable research methods? <input type="checkbox"/> [J41] Yes <input type="checkbox"/> [J40] No Are the manuscript-accompanying data and figures authentic? <input type="checkbox"/> [J51] Yes <input type="checkbox"/> [J50] No Does this manuscript make scientifically significant conclusions? <input type="checkbox"/> [J61] Yes <input type="checkbox"/> [J60] No
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> [Y] 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"/> [Y] Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> [Y] Yes <input type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> [Y] Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> [Y] No

SPECIFIC COMMENTS TO AUTHORS

I read this paper with interest. The roles of miR-627-5p and Wnt2 in colon cancer were analyzed. Overall the paper is well written. However, it has the following problems. 1. Since the subtitles of the Results are in sentence form, they should be changed to noun form. For example, miR-627 was highly decreased in CRC tissues To miR-627 in CRC tissues 2. The Discussion is redundant. I think the first paragraph of the Discussion is unnecessary. 3. The Discussion is redundant. Despite many explanations of the previous reports, there are few interpretations of the results of this study in the Discussion. Please improve this point throughout the Discussion. 4. Figure legends 2, 3, and 4 contain explanations of the results. Please only mention these in the main text. 5. The following sentences in the Results should be included in the Discussion. Our previous study investigated the expression of miR-627-5p in the same clinical tissues and

showed significantly decreased expression in CRC and AA tissues compared to HC tissues[19]. Besides, miR-627-5p was found to be decreased in CRC cell lines compared with those in FHC cells[19].

RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Peer-review model: Single blind

Reviewer's code: 03767650

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Director, Professor

Reviewer's Country/Territory: Japan

Author's Country/Territory: China

Manuscript submission date: 2022-09-22

Reviewer chosen by: Zhen-Heng Wei

Reviewer accepted review: 2022-11-08 12:59

Reviewer performed review: 2022-11-08 13:26

Review time: 1 Hour

Scientific quality

☐ Grade A: Excellent ☐ Grade B: Very good ☒ Grade C: Good
☐ Grade D: Fair ☐ Grade E: Do not publish



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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
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 have improved the paper. But, there are some issues to be resolved. Please change the subtitles of the Results as the following: From The inverse relationship between miR-627-5p and Wnt2 expression in colorectal neoplasm tissues To The relationship between miR-627-5p and Wnt2 expression in colorectal neoplasm tissues From The tumor suppressive role of miR-627-5p in CRC cells To The role of miR-627-5p in CRC cells From The regulatory role of miR-627-5p in the Wnt/ β -catenin signalling pathway To The role of miR-627-5p in the Wnt/ β -catenin signalling pathway