

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 64873

**Title:** Impact of radiogenomics in esophageal cancer on clinical outcomes: A pilot study

**Reviewer's code:** 03478004

**Position:** Editorial Board

**Academic degree:** MD, PhD

**Professional title:** Associate Professor

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

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

**Manuscript submission date:** 2021-03-02

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-04-28 12:13

**Reviewer performed review:** 2021-04-28 13:57

**Review time:** 1 Hour

<b>Scientific quality</b>	<input checked="" type="checkbox"/> Grade A: Excellent <input 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 Grade E: Do not publish
<b>Language quality</b>	<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
<b>Conclusion</b>	<input checked="" type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" 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**

This is a well-written paper. Though the sample size is small, the results are interesting.

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 64873

**Title:** Impact of radiogenomics in esophageal cancer on clinical outcomes: A pilot study

**Reviewer's code:** 05391858

**Position:** Peer Reviewer

**Academic degree:** DNB, MBBS, MCh, MS

**Professional title:** Doctor, Surgeon, Surgical Oncologist

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

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

**Manuscript submission date:** 2021-03-02

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-04-29 04:33

**Reviewer performed review:** 2021-05-04 05:26

**Review time:** 5 Days

<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 type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<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



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#### **SPECIFIC COMMENTS TO AUTHORS**

I would like to congratulate the authors for a good attempt at writing an insightful article, which explores radiogenomics in esophageal cancer. I would like to suggest few comments as follows: 1) needs grammatical and spelling corrections 2) introduction line 11,, needs modification/clarification, which suggests imaging techniques helps to evaluate pathology. 3) kindly elaborate about the possible clinical implications of your results/ findings. 4) in discussion ----- discuss in detail, about other studies(if available) which have individually studied either radiomics or genomics in esophageal cancer.

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 64873

**Title:** Impact of radiogenomics in esophageal cancer on clinical outcomes: A pilot study

**Reviewer's code:** 05330707

**Position:** Peer Reviewer

**Academic degree:** MD, PhD

**Professional title:** Assistant Professor, Doctor

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

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

**Manuscript submission date:** 2021-03-02

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-04-29 06:33

**Reviewer performed review:** 2021-05-08 01:02

**Review time:** 8 Days and 18 Hours

<b>Scientific quality</b>	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input checked="" 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 type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input checked="" type="checkbox"/> Rejection
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer statements</b>	Peer-Review: <input type="checkbox"/> Anonymous <input checked="" type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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#### **SPECIFIC COMMENTS TO AUTHORS**

The authors investigated the impact of the radiogenomics on clinical outcomes in esophageal cancer. They combine transcript expression levels and CT radiomic features to see if they could be a biomarker for esophageal cancer. The data is presented clearly, however the data presented here are not convincing enough to support their conclusions. 1)The major shortcoming of this study is that the patient number is too small for the evaluation. This study may be premature. 2)I think the authors need to investigate CT radiomic features alone can predict stage. 3)Tobacco and alcohol synergistically increase risk, please add smoking history to authors investigation. 4)It would be helpful if the authors gave more information about the relationship between eight m6A RNA regulators and 5 miRNAs, because previous reports have shown that m6A modification involved in miRNA expression.

## RE-REVIEW REPORT OF REVISED MANUSCRIPT

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 64873

**Title:** Impact of radiogenomics in esophageal cancer on clinical outcomes: A pilot study

**Reviewer's code:** 05330707

**Position:** Peer Reviewer

**Academic degree:** MD, PhD

**Professional title:** Assistant Professor, Doctor

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

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

**Manuscript submission date:** 2021-03-02

**Reviewer chosen by:** Han Zhang (Online Science Editor)

**Reviewer accepted review:** 2021-06-29 23:44

**Reviewer performed review:** 2021-06-30 23:19

**Review time:** 23 Hours

<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 type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input checked="" type="checkbox"/> Rejection
<b>Peer-reviewer statements</b>	Peer-Review: <input type="checkbox"/> Anonymous <input checked="" type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

## SPECIFIC COMMENTS TO AUTHORS

The question I would like to ask is whether the stage determined using routine clinical



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CT findings or the stage determined using radiogenomics was accurate. Please described whether the clinical CT findings or radiogenomics predicted the stage more accurately. If possible, please examine the accuracy of the two tests for T category, N category and M category.