

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Meta-Analysis

**Manuscript NO:** 56709

**Title:** The role of non-coding RNAs in pathogenesis of gastrointestinal stromal tumors

**Reviewer's code:** 03740415

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

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

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

**Manuscript submission date:** 2020-05-11

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2020-05-12 04:40

**Reviewer performed review:** 2020-05-20 16:00

**Review time:** 8 Days and 11 Hours

<b>Scientific quality</b>	<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 Grade E: Do not publish
<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 checked="" 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**

In this paper, Ioannis et al. summarized the recent findings on the role of non-coding RNAs in GISTs. The paper is well-written and easy to read. My main concern is that the references cited in this minireview contain too many papers that have been published over 5 years. Indeed, there are some newly published articles in recent years but I cannot find them in this paper. Therefore, I suggest these papers should be included in the revised version.

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Meta-Analysis

**Manuscript NO:** 56709

**Title:** The role of non-coding RNAs in pathogenesis of gastrointestinal stromal tumors

**Reviewer's code:** 02529467

**Position:** Peer Reviewer

**Academic degree:** PhD

**Professional title:** Academic Research, Professor

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

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

**Manuscript submission date:** 2020-05-11

**Reviewer chosen by:** Jia-Ping Yan

**Reviewer accepted review:** 2020-05-23 07:52

**Reviewer performed review:** 2020-06-06 16:57

**Review time:** 14 Days and 9 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 type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input checked="" 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 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**

1. The title reflects the subject of the study 2. The abstract more or less summarizes the work presented 3. the keywords reflects the topics covered 4. The introduction is quite superfluous. The description on the evolution of RNA in this context is not necessary since it is covered in text books. The classification describing different non coding RNAs are also too much elaborated and does not add anything more to the existing knowledge on the subject 5. In the methodology section of the present review, the authors did not discuss the literature search strategy and the selection process for the identification of studies relevant for the review. What are the key words they have used for literature survey? Due to this lacunae, the authors have missed some of the important papers on the topic 6. The description of the GIST in the introduction would have been more relevant followed by the clinical studies carried out and the treatment options etc. 7. The molecular pathways and the mutational studies carried out to understand the molecular targets have been worked out in detail by many authors, therefore, it appears to be more repetitive since the authors have not been able to build up a hypothesis to follow and support subsequently with the literature available which would make the study more interesting for the readers 8. Authors are claiming that literature is scanty on the role of long non coding RNA in GIST which is not true. The authors have missed out the study by Badalamenti G et al (2019) in the Journal of Oncology where data suggest a potential role for both H19 and MALAT1 lncRNAs as prognostic biomarker for the clinical selection of the best candidate to first-line treatment with imatinib. 9. An excellent review has been published by Juozas Kupcinskas (2018) on 'Small Molecules in Rare Tumors: Emerging Role of MicroRNAs in GIST' in IJMS where the role of non coding RNA has been extensively discussed. The authors failed to quote this reference in their review 10. The quality of the organization of the review is not satisfactory 11. The tables presented in the review reflect the references which are not new and most of them

are quoted in the previous reviews on the subject 12. In table 2, one new reference was added by Yan et al, 2019 where a microarray was carried out to see the deregulation of long non coding RNA in different categories of GIST samples 13. The manuscript needs thorough editing 14. No ethical statement is required for the present review