



ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

ESPS manuscript NO: 18044

Title: Circulating microRNAs and long non-coding RNAs as promising biomarkers for Gastric Cancer Diagnosis: Promises and challenges

Reviewer’s code: 02537284

Reviewer’s country: Venezuela

Science editor: Ya-Juan Ma

Date sent for review: 2015-04-04 16:42

Date reviewed: 2015-04-20 03:33

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
<input checked="" type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Duplicate publication	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		BPG Search:	<input checked="" type="checkbox"/> Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

COMMENTS TO AUTHORS

Authors presented a review about the promising use of detecting circulating microRNAs and long non-coding RNAs to use as biomarkers for diagnosis and prognosis in gastric cancer. Although good reviews have been published recently about functional significance, and diagnostic, prognostic, and therapeutic potential of non-coding RNAs in gastric cancer, the increasing number of studies in this field justifies this kind of publications. It is a very interesting review; however, the manuscript needs corrections in order to consider its publication in WJG. Major considerations: 1) The description of circulating non-coding RNAs is made monotonically and boring. In each case is simply a description of the main findings of a study, and then they comment on findings in other diseases of the mentioned non-coding RNAs. Therefore, the article could be summarized substantially. 2) It is recommended that the authors note in the title that this is a review of the literature focused on findings on circulating microRNAs and long non-coding RNAs as biomarkers for gastric cancer. 4) The writing must be revised and substantially improved throughout the manuscript. 5) The description of the micro RNAs seems to obey only to the order in which the authors describe the



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studies reviewed. The microRNAs should be classified, at least according to the reported miRNA expression abnormalities in GC: Upregulated miRNAs (oncomirs) and downregulated miRNAs (tumor-suppressor miRNAs). 6) The English must be polished throughout the manuscript paying particular attention to the sections 1 and 2. Minor considerations: 1) Please, use consistently the abbreviation GC throughout the text. 2) Page 1, first paragraph. Author refers to non-invasive methods?" There were many methods for GC detection, such as serum pepsinogen, MG-7." 3) Page 2 (second paragraph) and legend of figure 2: please change "nascent RNA" for nascent mRNA. 4) Page 2, third paragraph -Please rephrase sentence to make it more clear: "miRNAs are protected by various lipids and proteins in exosomes and other microparticles have been detected in plasma, serum, urine, saliva, and milk". 5) The way as heading or subtitles was used to indicate different non-coding RNAs is confusing. It is encouraged to author if possible, dividing the microRNAs mentioned in the manuscript according to the expression profile findings reported previously. 6) Although it is not the focus of the review and in several cases is unknown, if it is possible it would be interesting to make a brief description of the role of microRNAs and lncRNAs in gastric cancer (at least for those with more potential as biomarkers for GC). 7) Throughout the manuscript, capital letters are used improperly. 8) Please check the use of et al. instead of etc. to indicate the logical continuation of a list (not people) through the text. 9) Please review the citation of authors throughout the text. It must be uniform and following the instructions for authors. 10) Page 5, second paragraph, Please rephrase sentence to make it more clear: "25 miRNAs were identified to be differently expressed, of which 11 were up-regulated and 14 were down-regulated in gastric cancer comparing to control groups, finally, miR-195-5p in gastric cancer was identified to be most significantly comparing with control groups with more than 13-fold changes in expression and was suggested to function as a novel tumor suppressor miRNA in gastric cancer development". 11) Several abbreviations were not used uniformly throughout the text, e.g.: EGC, NSCLC, etc. 12) Several abbreviations are not explained for the casual reader, e.g.: SNPs, CRC, etc. 13) Page 7, first paragraph, Please rephrase sentence to make it more clear: "In this study, in vitro experiment showed that transfection of let-7a mimics significantly inhibited CCR7 protein expression level in MNK-45 cells and the migration and invasion of MNK-45 cells.". 14) References must be showed in tables 2 a



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		<input checked="" type="checkbox"/> No	

COMMENTS TO AUTHORS

In this study, the authors review the diagnostic applications of circulating miRNAs and lncRNAs in gastric cancer. Overall, the manuscript is well written and does not have major flaws from the technical standpoint. Comments 1. It is probably an over-statement in "circulating miRNAs in GC diagnosis". The authors need to focus on their topic "the diagnosis of gastric cancer". In addition, the authors should review the difference in the expression of circulating miRNAs and lncRNAs between intestinal-type and diffuse-type gastric cancers or between early and advanced gastric cancers. 2. Many syntax errors and spelling mistakes were found. The manuscript should be corrected by native English speaker.