

ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Gastrointestinal Oncology

ESPS manuscript NO: 19135

Title: MicroRNA in pancreatic ductal adenocarcinoma and its precursor lesions

Reviewer's code: 03105833

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Science editor: Jing Yu

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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 type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
<input 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 type="checkbox"/> Plagiarism	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input type="checkbox"/> No	<input type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input type="checkbox"/> No	

COMMENTS TO AUTHORS

The authors present an interesting review of the current knowledge of miRNA sampling and miRNA dysregulation in PDAC and precursor lesions. This review should be published because it represents a new and promising research on early genetic diagnosis of pancreatic cancer. The authors point out the importance of posttranscriptional regulation of gene expression by miRNAs. The discussion (section IV) attempted to organize this knowledge but lacks some important elements of summarizing current research and draw attention to other factors affecting the expression of miRNAs, which limits the diagnostic value of these tests. The discussion should included (briefly discussed) other factors which may alter the expression of miRNAs in patients with pancreatic cancer (this applies to the intra- and extracellular miRNAs expression). For example, an important component associated with cancer (especially with pancreatic cancer) are disorders of nutritional status. Reduction of nutrients and metabolic changes significantly modulates the expression of miRNAs. The discussion also lack a brief reference to the basic mechanisms associated with cancer (e.g. impaired apoptosis), which can regulate the expression of miRNAs. Extensive surgical trauma (pancreatectomy) and accompanying inflammatory response and malnutrition can also change the



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expression of miRNAs. It is a further limitation of early diagnosis of recurrence after surgery. Listed above problems are important in the interpretation of miRNAs aberrant expression in pancreatic cancer patients and should be discussed briefly (e.g. in section IV). The comments do not diminish the value of publication.