

## ESPS Peer-review Report

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

**ESPS Manuscript NO:** 7752

**Title:** Epigenetics and pancreatic cancer – pathophysiology and novel treatment aspects

**Reviewer code:** 00391630

**Science editor:** Wen, Ling-Ling

**Date sent for review:** 2013-12-02 16:54

**Date reviewed:** 2013-12-23 20:42

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A (Excellent)	<input type="checkbox"/> Grade A: Priority Publishing	Google Search:	<input checked="" type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B (Very good)	<input checked="" type="checkbox"/> Grade B: minor language polishing	<input type="checkbox"/> Existed	<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"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)		<input type="checkbox"/> No records	<input type="checkbox"/> Major revision

## COMMENTS TO AUTHORS

This is an interesting and comprehensive review of pancreatic cancer and its treatment, with focus on epigenetic mechanisms of tumor progression and therapeutics to interfere with these. Minor comments: Close parentheses missing on page 6 (table 2 page 15: change 'As reviewed in the chapter' to 'As reviewed here' or similar,

**ESPS Peer-review Report**

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

**ESPS Manuscript NO:** 7752

**Title:** Epigenetics and pancreatic cancer – pathophysiology and novel treatment aspects

**Reviewer code:** 00505440

**Science editor:** Wen, Ling-Ling

**Date sent for review:** 2013-12-02 16:54

**Date reviewed:** 2013-12-30 17:14

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	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"/> Existed	<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"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)		<input type="checkbox"/> No records	<input type="checkbox"/> Major revision

**COMMENTS TO AUTHORS**

This is a truly exhaustive and all encompassing review. Comments 1. Needs editing for the English language all throughout the manuscript 2. The full forms of all abbreviations need to be provided when using the abbreviatino for the first time 3. Please see the attached document where some comments have been made

## ESPS Peer-review Report

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

**ESPS Manuscript NO:** 7752

**Title:** Epigenetics and pancreatic cancer – pathophysiology and novel treatment aspects

**Reviewer code:** 01557283

**Science editor:** Wen, Ling-Ling

**Date sent for review:** 2013-12-02 16:54

**Date reviewed:** 2014-01-02 11:23

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
[ Y ] Grade A (Excellent)	[ ] Grade A: Priority Publishing	Google Search:	[ ] Accept
[ ] Grade B (Very good)	[ Y ] Grade B: minor language polishing	[ ] Existed	[ Y ] High priority for publication
[ ] Grade C (Good)	[ ] Grade C: a great deal of language polishing	[ ] No records	[ ] Rejection
[ ] Grade D (Fair)	[ ] Grade D: rejected	BPG Search:	[ ] Minor revision
[ ] Grade E (Poor)		[ ] Existed	[ ] Major revision
		[ ] No records	

## COMMENTS TO AUTHORS

In the present review, Neureiter et al. well summarized epigenetic events of the pancreatic cancer in detail, although it is still unclear which genetic and epigenetic mechanisms are important targets to cure this intractable disease. Comments from the reviewer have only small needs for revising. Major comments: 1. The text of the present review feels too long, 23 pages including tables. Can the author make their descriptions as short as possible, e.g., “2.2. Overview of epigenetic mechanisms” which is general findings? 2. The section “1.2. Morphological aspects under respect of the precursor lesions”. They stated that it is difficult to distinguish between reactive pancreatic glands and invasive pancreatic cancer, since no definitive and routinely used immunohistochemical markers exists although many biological markers in pancreatic ductal adenocarcinoma were tested as possible diagnostic and prognostic tools [19]. Further approaches for prognostic grading focused on different morphological pattern scheme similar to Gleason’s scoring system [20], or include epithelial-mesenchymal characteristics like Vimentin-expression, tumour budding [21, 22] or evaluate several gene expression signatures [23]. It seems very important to differentiate invasive pancreatic ductal adenocarcinoma from reactive pancreatic glands especially in the histopathologic diagnosis of cancer-free margin of the operatively resected pancreatic stump. What gene expressions do the authors mean? Could the author suggest possible gene expression markers or immunohistochemical markers (e.g., CEA, B72.3, CA125, p53, S100A4, mesothelin, claudin, etc.)? 3. Table 6. Are these regimens are used as palliative chemotherapy for patients with unresectable pancreatic cancer or postoperative adjuvant treatment? Minor comments: 1. Table 2: Concerning photographs of the PanIN, IPMN, and MCN, high-resolution images should be provided. 2. The abbreviation “miRNAs, PFS, MTD” should be described when first appears.

**ESPS Peer-review Report**

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

**ESPS Manuscript NO:** 7752

**Title:** Epigenetics and pancreatic cancer – pathophysiology and novel treatment aspects

**Reviewer code:** 01191922

**Science editor:** Wen, Ling-Ling

**Date sent for review:** 2013-12-02 16:54

**Date reviewed:** 2014-01-04 16:45

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A (Excellent)	<input type="checkbox"/> Grade A: Priority Publishing	Google Search:	<input type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B (Very good)	<input checked="" type="checkbox"/> Grade B: minor language polishing	<input type="checkbox"/> Existed	<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"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)		BPG Search:	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

**COMMENTS TO AUTHORS**

1. In section one, the description of epidemiologic and morphological aspects about pancreatic cancer looks too long, it looks better if the authors make them simpler. 2. In Table 1, 4-6, the authors should list all of the abbreviations such as MHL1, MSH2, DNMT, HDAC, and HAT et al. 3. As is known to all that pancreatic adenocarcinoma (PDAC) is the most common subtype of pancreatic cancer, it would better they highlight PDAC in this review. 4. In Table 2, they did not show us up-regulation or down-regulation of the major genetics in association of grade of dysplasia. 5. It would be better they describe more about YIN and YANG, as this theory may be a little strange to researchers and clinicians. 6. In section two, part of “introduction of epigenetics” and “overview of epigenetic mechanisms” could be merged into one part, and would look better if the authors make them simpler. 7. In Table 4, should DNA methylation be DNA hyper-methylation? Could the table be classified according to material? And cell lines should be displayed, for example, SW1990, BxPC-3 and Panc-1 et al. 8. In part of “Histone-based epigenetics in pancreatic cancer” and “epigenetics in pancreatic cancer stem cells”, it is recommended that one figure or table be added in each part to illustrated the epigenetic mechanisms. 9. Table 5 should be made simpler, or classified according to onc/sup, material, or functions. Or it could be converted into a schematic drawing. Cell lines should also be displayed, for example, SW1990, BxPC-3 and Panc-1 et al, or explained below the table.

**ESPS Peer-review Report**

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

**ESPS Manuscript NO:** 7752

**Title:** Epigenetics and pancreatic cancer – pathophysiology and novel treatment aspects

**Reviewer code:** 00646409

**Science editor:** Wen, Ling-Ling

**Date sent for review:** 2013-12-02 16:54

**Date reviewed:** 2014-01-06 08:38

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	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"/> Existed	<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"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)		<input type="checkbox"/> No records	<input type="checkbox"/> Major revision

**COMMENTS TO AUTHORS**

This is a interesting review about epigenetic aspects of pancreatic cancer. The authors are encouraged to make the text shorter and more focused. Careful proof-reading is also needed before publication. Some minor revisions can be found in attached file.