

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastrointestinal Oncology*

Manuscript NO: 88552

Title: Verteporfin fluorescence in antineoplastic-treated pancreatic cancer cells found concentrated in mitochondria

Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05531699

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Italy

Author's Country/Territory: China

Manuscript submission date: 2023-10-08

Reviewer chosen by: Yu-Lu Chen

Reviewer accepted review: 2023-11-06 13:59

Reviewer performed review: 2023-11-11 17:31

Review time: 5 Days and 3 Hours

Scientific quality	<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 Grade E: Do not publish
Novelty of this manuscript	<input checked="" type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
Creativity or innovation of this manuscript	<input checked="" type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation

Scientific significance of the conclusion in this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
Language quality	<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
Conclusion	<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
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	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 good, preliminary study which can suggest new lines of research and - potentially - treatment for PC. The methods are well described. One general comment: why are many words colored in red? is this a revised manuscript? I was not informed of this. Another comment, can the Authors expand on the future lines of research that may stem from the present study?

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Manuscript NO: 88552

Title: Verteporfin fluorescence in antineoplastic-treated pancreatic cancer cells found concentrated in mitochondria

Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 01557283

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Associate Professor, Surgeon

Reviewer's Country/Territory: Japan

Author's Country/Territory: China

Manuscript submission date: 2023-10-08

Reviewer chosen by: Yu-Lu Chen

Reviewer accepted review: 2023-11-13 09:56

Reviewer performed review: 2023-11-22 09:30

Review time: 8 Days and 23 Hours

Scientific quality	<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
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
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Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	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

Summary of the manuscript. The experimental study reported by Zhang et al. showed that photodynamic therapy using verteporfin as a photosensitizer in addition to chemotherapeutic drugs, i.e., gemcitabine, significant decreased the survival of pancreatic cancer cell lines. The present study was well organized. The major point is only the future usefulness in the clinical setting. Major comments. 1. Concerning resectable pancreatic cancer or border-line resectable disease, neoadjuvant chemotherapy, e.g., gemcitabine and S-1, has been reported as effective concerning down-staging or postoperative survival. Can the authors describe about future clinical treatment of photodynamic therapy using verteporfin in combination with neoadjuvant chemotherapeutic drugs for patients with resectable pancreatic cancer?