

PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 90957

Title: Treatment-induced neuroendocrine prostate cancer and De Novo neuroendocrine prostate cancer: two variant distinct aggressive tumors, identification, prognosis and survival, genetic and epigenetic factors.

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 07734161

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: China

Author's Country/Territory: Egypt

Manuscript submission date: 2023-12-18

Reviewer chosen by: Jia-Ru Fan

Reviewer accepted review: 2024-01-22 19:26

Reviewer performed review: 2024-01-25 00:12

Review time: 2 Days and 4 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 Grade E: Do not publish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

Creativity or innovation 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 creativity or innovation
Scientific significance of the conclusion in 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 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

The author systematically elucidates a distinct subtype of prostate cancer, neuroendocrine prostate cancer (NEPC), focusing on its occurrence, characteristics, and prognosis. The author highlights the unfavorable prognosis associated with t-NEPC, emphasizing the need for clinical attention. The article also delves into the relationship between t-NEPC development and genomic, epigenetic, and transcriptional changes, providing a comprehensive understanding of t-NEPC. 1. How is the efficacy of androgen deprivation therapy currently assessed in clinical practice? Are there standardized criteria or indicators to detect t-NEPC at an early stage? 2. The existing diagnostic markers for t-NEPC show no correlation with prognosis or treatment benefits. Are there other relevant indicators that can better assess prognosis and treatment outcomes? 3. Since epigenetic and transcriptional changes are associated with the development of t-NEPC, are there corresponding epigenetic markers or transcriptional sites that can

serve as intervention targets? Can certain gene sequencing techniques be employed for early assessment of disease progression?

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Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06269450

Position: Peer Reviewer

Academic degree: MD

Professional title: Chief Physician, Doctor

Reviewer's Country/Territory: China

Author's Country/Territory: Egypt

Manuscript submission date: 2023-12-18

Reviewer chosen by: Jia-Ru Fan

Reviewer accepted review: 2024-01-22 23:53

Reviewer performed review: 2024-01-28 01:02

Review time: 5 Days and 1 Hour

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 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

Creativity or innovation 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 creativity or innovation
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	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

The topic of this editorial has a certain novelty. It studies the differences in etiology and treatment of two types of prostate cancer: NEPC and t-NEPC, as well as related research progress. But please check the formality of the manuscript carefully, there are some mistakes. And as an editorial, about half of the references cited are articles from 5 years ago. Please update the references.