

PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Oncology*

Manuscript NO: 88057

Title: Elucidating the molecular basis of ATP-induced cell death in breast cancer:
Construction a robust prognostic model

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 02686084

Position: Editorial Board

Academic degree: MSc

Professional title: Research Scientist

Reviewer's Country/Territory: Mexico

Author's Country/Territory: Malaysia

Manuscript submission date: 2023-09-08

Reviewer chosen by: Yu-Lu Chen

Reviewer accepted review: 2023-11-16 23:40

Reviewer performed review: 2023-11-24 18:56

Review time: 7 Days and 19 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input checked="" 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 Grade E: Do not publish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 type="checkbox"/> Grade B: Good <input checked="" 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 type="checkbox"/> Grade B: Minor language polishing <input checked="" 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 text has spelling and editorial errors that are noted in the manuscript. You are requested to review and address the observations

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Title: Elucidating the molecular basis of ATP-induced cell death in breast cancer:
Construction a robust prognostic model

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 02684216

Position: Editorial Board

Academic degree: PhD

Professional title: Full Professor

Reviewer's Country/Territory: Iran

Author's Country/Territory: Malaysia

Manuscript submission date: 2023-09-08

Reviewer chosen by: Yu-Lu Chen

Reviewer accepted review: 2023-11-16 18:56

Reviewer performed review: 2023-11-29 03:07

Review time: 12 Days and 8 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
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 type="checkbox"/> Yes <input checked="" 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 authors have aimed to explicate" the Molecular Basis of ATP-Induced Cell Death in Breast Cancer: Construction and Validation of a Robust Prognostic Model" through literature review. -By constructing "a miRNA prognostic model and mirroring the gene-based prognostic model, as autonomous prognostic factors "& - Aiming grouping analysis. -"MATERIALS AND METHODS: Literature search of AICD core genes" -Analysis of data is, absolutely, performed based on grouping. In fact personalized insight is required to be considered, i.e., at single cell level. - "Exploring the entire dataset's risk score distribution and expression heat map." also reflect the global insight. It is stated that: - : "The findings of this study show that AICD could be a potential target for breast cancer detection and therapeutic intervention, opening up a new research channel and perspective for breast cancer diagnostic and treatment. This discovery holds promise in providing valuable insights for precision treatment and accurate prognosis assessment of breast cancer." - The required analytical insight includes single cell assay of the end point of the road , i.e., Protein expression at single cell level by very high enumeration. - In brief: Single insight of cancer cells in each patient is required to be, separately, assayed , analyzed and discussed. - There is no destination for group-analysis. Cancer is the single cell based territory. - The key aims include: Considering the functional insight, and at single cell level. Otherwise, the road map will not provide the translatable, personalized insight.