

PEER-REVIEW REPORT

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Title: Azacitidine decreases reactive oxygen species production in peripheral WBCs: A case report

Reviewer's code: 00503345

Position: Peer Reviewer

Academic degree: PhD

Professional title: Professor

Reviewer's Country/Territory: Canada

Author's Country/Territory: Japan

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Reviewer chosen by: Jin-Lei Wang

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Scientific quality	<input checked="" type="checkbox"/> Grade A: Excellent <input 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 Grade E: Do not publish
Language quality	<input checked="" type="checkbox"/> Grade A: Priority publishing <input 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 checked="" type="checkbox"/> Accept (General priority) <input 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 type="checkbox"/> Anonymous <input checked="" type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

The authors report a case study in which they describe a patient with MDS under azacitidine therapy. After treatment with azacytidine, the production of ROS by leukocytes, serum level of reactive oxygen metabolites, and WT1 expression were lower. The discussion is succinct. The decrease in ROS production appears to be more marked in segmented cells (basically polynuclear neutrophils). Can the authors speculate a bit on the mechanism of ROS production by those non-activated segmented cells (i.e., the impact of azacytidine therapy on glycolysis)?