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PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 87089

Title: The ratio of hemoglobin to mean corpuscular volume: a new index for discriminating between iron deficiency anemia and thalassemia trait

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 00503180

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Consultant Physician-Scientist

Reviewer's Country/Territory: Egypt

Author's Country/Territory: China

Manuscript submission date: 2023-10-26

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-11-08 03:58

Reviewer performed review: 2023-11-09 03:48

Review time: 23 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 Grade E: Do not publish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 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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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 checked="" type="checkbox"/> Accept (General priority) <input 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

Thank you for such study that deal with a new index that may help in differentiation between TT and IDA. I have a few comments : -the type of the study has to be mentioned in the methods. -On what bases did authors choose this index ? -Please add, in the section of statistics , the type of ROC curve used in the study. Also mention sample size calculation . -Gold standard diagnostic methods will need to be mentioned in the tables. -in the results : Formula of the new index, please rewrite the last paragraph in a more clearer way. -Please revise the english mistakes in the manuscript.