

PEER-REVIEW REPORT

Name of journal: *World Journal of Diabetes*

Manuscript NO: 87664

Title: Comparative analysis of α -carboxymethyl-lysine, inflammatory markers (IL-6, TNF- α), and nitric oxide: A study on diabetic and non-diabetic coronary artery disease patients

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05573818

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Chief Doctor, Surgeon

Reviewer's Country/Territory: China

Author's Country/Territory: India

Manuscript submission date: 2023-08-21

Reviewer chosen by: Yu-Lu Chen

Reviewer accepted review: 2023-09-11 08:11

Reviewer performed review: 2023-09-19 14:52

Review time: 8 Days and 6 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 Grade E: Do not publish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 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 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 type="checkbox"/> Minor revision <input checked="" 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 try to assess the impact of CML and inflammatory markers on the biochemical and cardiovascular characteristics of diabetic and non-diabetic coronary artery disease patients. They found CML and inflammatory markers played a significant role in the development of CAD, particularly in diabetic individuals, and can be served as potential biomarkers for the prediction of CAD in both diabetic and non-diabetic patients. This is an interesting and meaningful study. I provided several suggestions for the authors.

- 1 The title should be re-organized.
- 2 The abstract lacks some key information, like the duration of diabetes, medicine, the cardiac function class, and so on.
- 3 Key Words. This part is good.
- 4 Background. The manuscript should be more focus.
- 5 Methods. The describe methods should be described in adequate detail.
- 6 Lots of grammar and spelling errors. Please check carefully.
- 14 Ethics statements. For all manuscripts involving human studies and/or animal experiments, author(s) must



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submit the related formal ethics documents that were reviewed and approved by their local ethical review committee. Did the manuscript meet the requirements of ethics?

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Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03497479

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Full Professor

Reviewer's Country/Territory: Croatia

Author's Country/Territory: India

Manuscript submission date: 2023-08-21

Reviewer chosen by: Yu-Lu Chen

Reviewer accepted review: 2023-09-17 16:36

Reviewer performed review: 2023-09-20 12:28

Review time: 2 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

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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

Dear Editors, I read with interest the article entitled "Advanced glycation end product (Nε-carboxymethyl-lysine) and inflammatory markers (IL-6, TNF-α) and nitric oxide in diabetic versus non-diabetic coronary artery disease patients". The main methodological problem that I find in the article is the division of patients into groups, that is, group 2 where there were patients with HbA1c < 6.5% and who were considered non-diabetics! Does this exclude well-regulated diabetics with excellent HbA1c levels? From this, the questionable value of the obtained results follows! The conclusion that the authors draw from the results of the study is conditional. According to the results of coronary angiography, there is mostly no significant difference in the degree of coronary disease between patient groups! The reason for performing coronary angiography was not specified - elective, stable vs. unstable patients considering that they are known coronary patients? How do the authors interpret the surprising insufficient treatment (eg ACEs <

20%!) of the included patients, given that most of them have recovered from MI; and almost half in both groups have decreased LVEF? The title should be thoroughly reformulated and the English language significantly improved.