

PEER-REVIEW REPORT

Name of journal: World Journal of Cardiology

Manuscript NO: 55592

Title: Forensic Interrogation Of Diabetic Endothelitis and Clinical Translation in HFpEF

Reviewer's code: 02445886

Position: Peer Reviewer

Academic degree: DSc, PhD

Professional title: Chief Doctor

Reviewer's Country/Territory: Russia

Author's Country/Territory: Australia

Manuscript submission date: 2020-04-01

Reviewer chosen by: Ya-Juan Ma

Reviewer accepted review: 2020-05-11 10:05

Reviewer performed review: 2020-05-11 14:43

Review time: 4 Hours

Scientific quality	[<input checked="" type="radio"/>] Grade A: Excellent [<input type="radio"/>] Grade B: Very good [<input type="radio"/>] Grade C: Good [<input type="radio"/>] Grade D: Fair [<input type="radio"/>] Grade E: Do not publish
Language quality	[<input checked="" type="radio"/>] Grade A: Priority publishing [<input type="radio"/>] Grade B: Minor language polishing [<input type="radio"/>] Grade C: A great deal of language polishing [<input type="radio"/>] Grade D: Rejection
Conclusion	[<input checked="" type="radio"/>] Accept (High priority) [<input type="radio"/>] Accept (General priority) [<input type="radio"/>] Minor revision [<input type="radio"/>] Major revision [<input type="radio"/>] Rejection
Re-review	[<input checked="" type="radio"/>] Yes [<input type="radio"/>] No
Peer-reviewer statements	Peer-Review: [<input checked="" type="radio"/>] Anonymous [<input type="radio"/>] Onymous Conflicts-of-Interest: [<input type="radio"/>] Yes [<input checked="" type="radio"/>] No



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SPECIFIC COMMENTS TO AUTHORS

This review summarizes current knowledge concerning the microscopic aspects in diabetic endothelitis and provides a clinical link to explore. The title is consistent with the main subject of the manuscript, the abstract and key words reflect the main topics of the entire text. The review considers such topics as cellular basis of diabetic inflammation in the endothelium and dysfunction, consequences of endothelitis endothelium, myocardium and vasculature. The authors conclude that increased barrier permeability, reduced thromboresistance, and altered paracrine signalling associated with endothelitis contributes to and compounds adverse vascular and cardiac remodelling in diabetes. In the future a more direct targeting in the endothelial dysfunction with therapies including anti-inflammatory therapies, oral nitrite/nitrate, guanylyl cyclase activators and phosphodiesterase inhibitors may prove useful. The review is informative and helpful. Three figures capture information concisely and are illustrative of the paper contents. The paper cites 40 relevant and important references. The manuscript is well written, and the literature data is discussed well. I suggest to accept the manuscript with no specific comments.

PEER-REVIEW REPORT

Name of journal: World Journal of Cardiology

Manuscript NO: 55592

Title: Forensic Interrogation Of Diabetic Endothelitis and Clinical Translation in HFpEF

Reviewer's code: 02446609

Position: Peer Reviewer

Academic degree: PhD

Professional title: Associate Professor

Reviewer's Country/Territory: United States

Author's Country/Territory: Australia

Manuscript submission date: 2020-04-01

Reviewer chosen by: Ya-Juan Ma

Reviewer accepted review: 2020-05-15 19:20

Reviewer performed review: 2020-05-25 13:49

Review time: 9 Days and 18 Hours

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 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 checked="" type="checkbox"/> Accept (High priority) <input 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 checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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SPECIFIC COMMENTS TO AUTHORS

The article by Thomas MC et al., is an outstanding review of the literature with the interesting and plausible hypothesis that endothelitis mechanism in aggravating cardiac diseases and other comorbidities of diabetes. Here are a few points to enhance quality of the review: The following concerns need to correct. 1. Discuss HFpEF in abstract. 2. Conclusions can be more précised and highlight the take home message from this detailed review. 3. There are typos especially in abstract and introduction that need to be fixed, and abbreviations (ex: CV) need to be spelled out.