



PEER-REVIEW REPORT

Name of journal: World Journal of Cardiology

Manuscript NO: 66341

Title: Exercise-mediated adaptations in vascular function and structure: Beneficial effects in coronary artery disease

Reviewer's code: 03413750

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Taiwan

Author's Country/Territory: Greece

Manuscript submission date: 2021-03-25

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-04-09 13:42

Reviewer performed review: 2021-04-15 12:14

Review time: 5 Days and 22 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 Grade E: Do not publish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 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 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



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

SPECIFIC COMMENTS TO AUTHORS

Specific comments to authors The authors discussed exercise-medicated adaptations in vascular function and structure. They focused on the beneficial effects in coronary artery disease. This article is well-written. But some issues need to be addressed. 1. Exercise improves endothelial function by endothelial shear stress (ESS). You may add more discussion about the improved endothelial function has beneficial effects in secondary prevention of coronary artery disease. 2. Acute exercise may activate renin activity which causing blood pressure elevation and left ventricular hypertrophy such as athlete's heart. This issue may have detrimental effect on vascular structure.