

## 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

<b>Scientific quality</b>	<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 Grade E: Do not publish
<b>Language quality</b>	<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
<b>Conclusion</b>	<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
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer statements</b>	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](mailto: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.