



**PEER-REVIEW REPORT**

**Name of journal:** World Journal of Cardiology

**Manuscript NO:** 44552

**Title:** Improved scoring system for the electrocardiographic diagnosis of left ventricular hypertrophy

**Reviewer’s code:** 03366276

**Reviewer’s country:** Turkey

**Science editor:** Jia-Ping Yan

**Date sent for review:** 2018-11-20

**Date reviewed:** 2018-11-25

**Review time:** 5 Days

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer’s expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input type="checkbox"/> No

**SPECIFIC COMMENTS TO AUTHORS**

Braunstein et al, have introduced a new algorithm to evaluate LVH on ECG with this cohort study. LV mass index derived from echo was used as confirmation method. They also compared their criteria with the established ECG criteria for LVH. Their score had



**Baishideng  
Publishing  
Group**

7901 Stoneridge Drive, Suite 501,  
Pleasanton, CA 94588, USA  
**Telephone:** +1-925-223-8242  
**Fax:** +1-925-223-8243  
**E-mail:** bpgoffice@wjgnet.com  
**https://**www.wjgnet.com

superior sensitivity for detection of LVH by ECG but lower specificity compared to conventional criteria. Overall the study is well designed and presents meticulous data. My personal opinion is that you cannot diagnose LVH with ECG but it is a good screening method. For screening tests one would prefer better sensitivity rather than specificity. Conventional LVH criteria have low sensitivity and high specificity which is not very useful clinically. This method promises better screening for LVH with ECG and can introduce improvement to clinical practice. The importance of this aspect is not discussed and I would recommend to add a few sentences to discussion to emphasize this. Especially comparing the sensitivity and specificity with conventional LVH criteria has added extra value to the article. In general article is well written and there are no typos. Only the first sentence of the introduction (copied below) is not very clear, I was not sure if diseases listed were cause or consequence of LVH. I had to check references to understand what the authors refer to, could be rephrased in a more understandable way. "Left ventricular hypertrophy (LVH) is a common consequence of various cardiovascular diseases associated with increased risks of morbidity and mortality, including heart failure, angina pectoris, myocardial infarction, and sudden cardiac death.1-5" Kind regards, Suzan Hatipoglu

#### **INITIAL REVIEW OF THE MANUSCRIPT**

##### ***Google Search:***

- The same title
- Duplicate publication
- Plagiarism
- No

##### ***BPG Search:***



**Baishideng  
Publishing  
Group**

7901 Stoneridge Drive, Suite 501,  
Pleasanton, CA 94588, USA  
**Telephone:** +1-925-223-8242  
**Fax:** +1-925-223-8243  
**E-mail:** [bpgoffice@wjgnet.com](mailto:bpgoffice@wjgnet.com)  
**https://**[www.wjgnet.com](http://www.wjgnet.com)

- The same title
- Duplicate publication
- Plagiarism
- No



**PEER-REVIEW REPORT**

**Name of journal:** World Journal of Cardiology

**Manuscript NO:** 44552

**Title:** Improved scoring system for the electrocardiographic diagnosis of left ventricular hypertrophy

**Reviewer’s code:** 02634593

**Reviewer’s country:** Turkey

**Science editor:** Jia-Ping Yan

**Date sent for review:** 2018-11-20

**Date reviewed:** 2018-11-29

**Review time:** 9 Days

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good		<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of language polishing	(General priority)	Peer-reviewer’s expertise on the topic of the manuscript:
<input type="checkbox"/> Grade E: Do not publish	<input type="checkbox"/> Grade D: Rejection	<input checked="" type="checkbox"/> Minor revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Major revision	<input checked="" type="checkbox"/> General
		<input type="checkbox"/> Rejection	<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

**SPECIFIC COMMENTS TO AUTHORS**

In this manuscript, the authors aimed to identify ECG findings associated with increased LV mass and develop an improved and easy to use scoring system to facilitate the diagnosis of LVH. The scoring system had superior sensitivity for detection of LVH by



**Baishideng  
Publishing  
Group**

7901 Stoneridge Drive, Suite 501,  
Pleasanton, CA 94588, USA  
**Telephone:** +1-925-223-8242  
**Fax:** +1-925-223-8243  
**E-mail:** [bpgoffice@wjgnet.com](mailto:bpgoffice@wjgnet.com)  
**https://**[www.wjgnet.com](http://www.wjgnet.com)

ECG while making a modest sacrifice in specificity compared to conventional criteria. My comments are as follows: 1) This is an interesting and highly scientific study. 2) What are intra-observer and inter-observer variability results for ECG and echocardiography parameters? 3) References should be written according to the Journal's style.

#### **INITIAL REVIEW OF THE MANUSCRIPT**

##### ***Google Search:***

- The same title
- Duplicate publication
- Plagiarism
- No

##### ***BPG Search:***

- The same title
- Duplicate publication
- Plagiarism
- No