

## PEER-REVIEW REPORT

**Name of journal:** *World Journal of Clinical Cases*

**Manuscript NO:** 71301

**Title:** Atrial fibrillation burden and the risk of stroke: systematic review and dose-response meta-analyses

**Provenance and peer review:** Unsolicited Manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 00722050

**Position:** Editorial Board

**Academic degree:** FRCP (C), MD, PhD

**Professional title:** Professor

**Reviewer's Country/Territory:** Canada

**Author's Country/Territory:** China

**Manuscript submission date:** 2021-09-02

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-09-07 10:17

**Reviewer performed review:** 2021-09-07 10:41

**Review time:** 1 Hour

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" 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 Grade E: Do not publish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 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: [ ☒ ] Anonymous [ ☐ ] Onymous

Conflicts-of-Interest: [ ☐ ] Yes [ ☒ ] No

### **SPECIFIC COMMENTS TO AUTHORS**

The authors performed an excellent PRISMA review and MA to determine whether atrial fibrillation burden  $> 5\text{min}$  was associated with the increased stroke risk and explore a dose response effect of AF burden on the risk of stroke. The authors found that atrial fibrillation burden  $> 5\text{min}$  is associated with the increased risk of clinical atrial fibrillation (adjusted  $\text{RR}=4.18$ , 95%CI: 2.26-7.74), but was not associated with the increased risk of all-cause mortality (adjusted  $\text{RR}=1.55$ , 95%CI:0.87-2.75). In my opinion, the work has a remarkable value in cardiology.

## PEER-REVIEW REPORT

**Name of journal:** *World Journal of Clinical Cases*

**Manuscript NO:** 71301

**Title:** Atrial fibrillation burden and the risk of stroke: systematic review and dose-response meta-analyses

**Provenance and peer review:** Unsolicited Manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 05817430

**Position:** Peer Reviewer

**Academic degree:** PhD

**Professional title:** Academic Research, Research Scientist

**Reviewer's Country/Territory:** Iran

**Author's Country/Territory:** China

**Manuscript submission date:** 2021-09-02

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-09-23 09:28

**Reviewer performed review:** 2021-09-26 05:33

**Review time:** 2 Days and 20 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 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 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No

<b>Peer-reviewer statements</b>	Peer-Review: [ <input checked="" type="radio"/> ] Anonymous [ <input type="radio"/> ] Onymous Conflicts-of-Interest: [ <input type="radio"/> ] Yes [ <input checked="" type="radio"/> ] No
-------------------------------------	---

## SPECIFIC COMMENTS TO AUTHORS

In the present systematic review, the authors represent the "Atrial fibrillation burden and the risk of stroke: systematic review and dose-response meta-analyses". In detail, the topic of study is interesting and the study provides important information, but I have some concerns and issues that needs to be addressed. Comments: -There are some scientifically/ grammatically errors in the paper. Please control the text in that manner. -The "abstract" should be modified and written more scientifically. The "aim" part should be modified. Also, please mention atrial fibrillation (AF) in "aim". -The paper needs proper punctuation and should be written scientifically. -The keywords should be modified (Keywords: Atrial fibrillation, Stroke, Dose-response, Meta-analysis). -The figures shown are not at high resolution. Also the figures 1, 2, 3, 5, and 6 are unclear and are not acceptable.

## PEER-REVIEW REPORT

**Name of journal:** *World Journal of Clinical Cases*

**Manuscript NO:** 71301

**Title:** Atrial fibrillation burden and the risk of stroke: systematic review and dose-response meta-analyses

**Provenance and peer review:** Unsolicited Manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 05467120

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Assistant Professor, Doctor, Surgeon

**Reviewer's Country/Territory:** Jordan

**Author's Country/Territory:** China

**Manuscript submission date:** 2021-09-02

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-09-25 11:53

**Reviewer performed review:** 2021-10-03 19:58

**Review time:** 8 Days and 8 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" 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 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 type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input 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>

<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
-------------------------------------	---

#### **SPECIFIC COMMENTS TO AUTHORS**

An interesting review for a common problem with an increasing prevalence. However, as long as there was a liner dose-response between increasing AF burden and risk of future stroke, how the decision was made that the 5 minutes limit can be considered a threshold?