

PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 61828

Title: Burden of Atrial fibrillation in Patients with Rheumatic Diseases

Reviewer's code: 03547028

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Associate Professor, Statistician

Reviewer's Country/Territory: Romania

Author's Country/Territory: United States

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Reviewer chosen by: Jin-Lei Wang

Reviewer accepted review: 2021-01-10 15:15

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Review time: 1 Hour

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 Grade E: Do not publish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 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
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

SPECIFIC COMMENTS TO AUTHORS



**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>

I revised Muhammad Zubair Khan's manuscript, which analyzes the association between atrial fibrillation and rheumatic diseases. It impresses from the beginning the large number of patients in their study. I have some comments to make, especially regarding the statistical analysis and the expression of the results.

1. It must be remembered that logistic regression provides Odds Ratio for each predictor. The odds differ from the risk, therefore you should consider changing the title.
2. One thing is missing from your database, namely pulmonary hypertension. I think it's an easy parameter to get from the National Inpatient Sample database. Rheumatic diseases are associated with pulmonary hypertension and this could greatly alter multivariate regression and you may not get the same results on atrial fibrillation.
3. There are some data that need to be added in the Results Section:
 - a. What was the correlation coefficient between atrial fibrillation and heart failure ? cardiomyopathy ? and hypertension ?
 - b. What method did you use for your regression model ? Enter ? Forward Stepwise ? Backward stepwise ?
 - c. What was the Odds Ratio for atrial fibrillation in Univariate Analysis ? Adjustment can be cheating if we keep adjusting by more and more variables until we have a significant difference.