

PEER-REVIEW REPORT

Name of journal: *World Journal of Cardiology*

Manuscript NO: 77931

Title: The Role of ACE Inhibitors and Angiotensin Receptor Blockers in Cryoballoon Ablation Outcomes for Paroxysmal Atrial Fibrillation.

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05080957

Position: Editorial Board

Academic degree: DNB, MBBS, MD

Professional title: Associate Professor

Reviewer's Country/Territory: India

Author's Country/Territory: United States

Manuscript submission date: 2022-05-29

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-05-29 02:15

Reviewer performed review: 2022-06-01 10:39

Review time: 3 Days and 8 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 Grade E: Do not publish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 checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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

Greetings I read the article with interest. The authors have evaluated the role of ACEi and ARB in prevention of atrial arrhythmia in patients who underwent cryoballoon ablation for paroxysmal Atrial fibrillation. Overall the study is well conducted and written. The results represents the study objective and the conclusion is supported by the data. Although retrospective data and relatively smaller sample is the limitation, in my opinion, there is no major drawback of flaws in the study and can be considered for possible publication. The title, abstract, justification is fine. There are minor aspects which can be improved 1. The figure 1 is not required, rather the inclusion and exclusion criteria can be elaborated in the text. 2. It is better to follow STROBE. A participant selection an data management flow chart can be added. 3. Unit of Age in the abstract, although understood, can be included. 4. If ample size calculation was done, it can be included. if not done prior to research, post-hoc power analysis can be done and mentioned in the limitation section. Best of luck

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Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06312209

Position: Peer Reviewer

Academic degree: MD

Professional title: Assistant Professor, Research Dean

Reviewer's Country/Territory: United States

Author's Country/Territory: United States

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Review time: 5 Days and 23 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 checked="" type="checkbox"/> Accept (High priority) <input 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="radio"/>] Anonymous [<input type="radio"/>] Onymous Conflicts-of-Interest: [<input type="radio"/>] Yes [<input checked="" type="radio"/>] No
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SPECIFIC COMMENTS TO AUTHORS

This is a novel study looking at ACE/ARB efficacy in the paroxysmal Afib post CBA population. Your hypotheses do confirm that ACE/ARB use is not effective in reducing events post CBA in this population. Your conclusions so far agree with accepted understanding of the condition and pathogenesis. I would like to see some additions to the discussion section mainly the fact that your ACE/ARB population was very different from the non users in terms of HTN and CAD. You do not know if this CAD was previously treated or untreated or ischemic or not. Also HTN being a primary driver for all Afib and leading to subsequent LA enlargement should be explained in the discussion section due to this significant finding. Your study does not comment on future directions of research which could include a study with a much larger population or a study done at multiple locations in the US. The findings you present are significant and also another area of focus in future could be the systolic HF population and the use of drugs such as Entresto. A well done study.