

PEER-REVIEW REPORT

Name of journal: World Journal of Cardiology

Manuscript NO: 57311

Title: Remote monitoring of implantable defibrillators is associated with fewer inappropriate shocks and reduced time to medical assessment in a remote and rural area.

Reviewer's code: 01293596

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Chief Doctor, Manager

Reviewer's Country/Territory: Japan

Author's Country/Territory: United Kingdom

Manuscript submission date: 2020-06-12

Reviewer chosen by: AI Technique

Reviewer accepted review: 2020-06-12 07:17

Reviewer performed review: 2020-06-16 02:14

Review time: 3 Days and 18 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input checked="" 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 Grade E: Do not publish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	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous

statements

Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

This was a single centre, retrospective observational study that assessed clinical value of remote monitoring (RM) for patients with ICD living in remote and rural area. Since the usefulness and benefits of RM have been identified in several randomized trials, the authors have to show the new or additional information in the article. General comment; The authors suggested the usefulness of RM in patients living in remote and rural area. If so, the approximate distance and/or time from each patient house or clinic to the medical centre should be clarified, and the increased value of RM should be discussed more. Specific comments; 1. This is a retrospective observational study, and patient numbers in Table 1 should be 45 and 111. 2. In table 2, the prevalence of death in lost patients seems higher in the clinic group. I consider the possibility of higher incidence of sudden cardiac death due to VF storm. 3. The tables should be re-arranged along to the description in the manuscript. 4. The variability of TMA should be more clearly shown using box-whisker or scatter plot. 5. The number of inappropriate shock is very small and could be a statistical limitation. 6. There was no data or comment for anti-tachycardia pacing.

PEER-REVIEW REPORT

Name of journal: World Journal of Cardiology

Manuscript NO: 57311

Title: Remote monitoring of implantable defibrillators is associated with fewer inappropriate shocks and reduced time to medical assessment in a remote and rural area.

Reviewer's code: 03363650

Position: Editorial Board

Academic degree: MSc, PhD

Professional title: Senior Scientist

Reviewer's Country/Territory: Ireland

Author's Country/Territory: United Kingdom

Manuscript submission date: 2020-06-12

Reviewer chosen by: Ya-Juan Ma

Reviewer accepted review: 2020-09-16 14:41

Reviewer performed review: 2020-09-23 21:59

Review time: 7 Days and 7 Hours

Scientific quality	<input checked="" type="checkbox"/> Grade A: Excellent <input 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Peer-reviewer	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous

statementsConflicts-of-Interest: [☐] Yes [☒] No**SPECIFIC COMMENTS TO AUTHORS**

This is a very relevant topic as inappropriate ICD shocks can have negative effects on the patient's health. As a minor remark I propose that the authors add some detail describing the form of remote monitoring that was applied. It would be good to know what the monitoring frequency was and what parameters were monitored. Was it a health care professional monitoring the ICD parameters, intra-cardiac ECG, impedance, or were other monitoring devices included? Was an app used? Were remotely managed patients called in a regular basis.

PEER-REVIEW REPORT

Name of journal: World Journal of Cardiology

Manuscript NO: 57311

Title: Remote monitoring of implantable defibrillators is associated with fewer inappropriate shocks and reduced time to medical assessment in a remote and rural area.

Reviewer's code: 03196633

Position: Editorial Board

Academic degree: MD

Professional title: Professor

Reviewer's Country/Territory: China

Author's Country/Territory: United Kingdom

Manuscript submission date: 2020-06-12

Reviewer chosen by: Ya-Juan Ma

Reviewer accepted review: 2020-09-25 15:29

Reviewer performed review: 2020-10-02 14:35

Review time: 6 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 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
Peer-reviewer	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous

statements

Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

The original findings of this manuscript were that remote monitoring of implantable defibrillators is associated with fewer inappropriate shocks and reduced time to medical assessment in a remote and rural area. In this study, 156 patients were followed up for 2 years to assess appropriate and inappropriate shocks in patients with and without RM and to measure differences in TMA in a real world, remote and rural population. This is a particularly important issue for remote and rural areas, providing access to better care for patients there. Although the sample size of this manuscript is still small, it provides ideas and directions for future medical development. There are several specific comments that the author needs to address: 1. What is the method of the data transmission? Is there any difference between the three companies' respective RM systems? What does it mean that no obvious differences between the four providers in the part of Safety? Is there any specific data to support it? 2. Under what circumstances will the RM group and the clinical group undergo medical evaluation? 3. Is it possible to obtain the satisfaction survey results of patients to show that RM has a positive effect on the psychological impact of patients? If the author can solve these problems in time, this manuscript will be an excellent paper.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: World Journal of Cardiology

Manuscript NO: 57311

Title: Remote monitoring of implantable defibrillators is associated with fewer inappropriate shocks and reduced time to medical assessment in a remote and rural area.

Reviewer's code: 01293596

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Chief Doctor, Manager

Reviewer's Country/Territory: Japan

Author's Country/Territory: United Kingdom

Manuscript submission date: 2020-06-12

Reviewer chosen by: Jia-Ru Fan

Reviewer accepted review: 2021-01-14 05:55

Reviewer performed review: 2021-01-19 04:20

Review time: 4 Days and 22 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 checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
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



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SPECIFIC COMMENTS TO AUTHORS

No specific comments