



PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 80922

Title: Hyperthyroidism and severe bradycardia: A case series and literature review

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06331556

Position: Peer Reviewer

Academic degree: BSc, Doctor, MSc

Professional title: Professor, Researcher

Reviewer's Country/Territory: Brazil

Author's Country/Territory: China

Manuscript submission date: 2022-10-19

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-11-16 14:41

Reviewer performed review: 2022-11-16 17:11

Review time: 2 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 Grade E: Do not publish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 type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input checked="" 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 type="checkbox"/> Anonymous <input checked="" type="checkbox"/> Onymous



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statements

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

SPECIFIC COMMENTS TO AUTHORS

Dear, I bring below my humble notes and I hope that they can help mainly the authors in this review and publication process. **THEME OF THE STUDY:** The topic discussed presents an important observation to establish a possible cause and effect relationship. **ABSTRACT:** I FIND CONFUSED BY THE WRITING OF THE STUDY. **INTRODUCTION:** It is very important to define hyperthyroidism and its prevalence, especially in the local population, if possible. The wording is also confusing as in the following excerpt: These effects of hyperthyroidism often lead to tachycardia. Therefore, patients with hyperthyroidism often develop tachycardia (such as sinus tachycardia and rapid atrial fibrillation). I also missed information on the search strategy, which would be a plus. References of review articles, systematic reviews and meta-analyses should also be explored for a comprehensive review. **DESCRIPTION OF THE CASES:** I consider it confusing and not following the standard for type publications, such as: the sequence must be chronological, organized and with enough details for the reader to establish his interpretation. As these are several cases, they must be sequentially reported. The report must present demographic data (age, weight, sex, color, occupation), clinical history, physical examination and altered complementary exams. This information was not presented and the paragraphs are not associated. It is essential to establish a temporal and causal relationship with the reported situation. The description of the cases must effectively be restricted to the cases studied by the authors and the cases listed in the literature must be included in the discussion as a means of comparison. **DISCUSSION:** as stated above, the cases extracted from the literature must be presented at this time and the discussion must emphasize the priority and uniqueness of the report. It is extremely important to establish the validity of the



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findings in comparison with data in the literature. Literature data should be succinctly described, comparing and evaluating contrasts and nuances with the reported case, which was not done. **CONCLUSION:** although it was understood, it can be improved only after the correct writing of the study.



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Peer-review model: Single blind

Reviewer's code: 02446043

Position: Editorial Board

Academic degree: FACC

Professional title: Lecturer

Reviewer's Country/Territory: Malaysia

Author's Country/Territory: China

Manuscript submission date: 2022-10-19

Reviewer chosen by: Dong-Mei Wang

Reviewer accepted review: 2022-12-13 10:12

Reviewer performed review: 2022-12-14 08:49

Review time: 22 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 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Peer-reviewer	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous



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statements	Conflicts-of-Interest: [] Yes [Y] No
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SPECIFIC COMMENTS TO AUTHORS

This is an interesting report of 3 cases of the rare association of thyrotoxicosis with bradyarrhythmia, together with a well conducted literature review of similar reported cases. It should be accepted. To make the article better, 3 minor corrections can be made: 1. The format needs improving, especially for the Table and Figures. Presently the headings in the Table do not fit into the same line of the allocated column, and legends for the Figures appear on different pages. 2. In the Introduction, authors write: "Therefore, patients with hyperthyroidism often develop tachycardia (such as sinus tachycardia and rapid atrial fibrillation). However, severe bradycardia, such as sick sinus syndrome (SSS) and atrioventricular (AV) block, are seldom encountered in patients with hyperthyroidism, and pose a difficult clinical problem for physicians' To make the 2 sentences flow more logically, 'are seldom' should be replaced with 'can occasionally be' 3. In Case 3, last paragraph, authors write "However, the patient exhibited obvious alternation between rapid atrial fibrillation and sinus arrest within a day, and echocardiography showed changes in cardiac structure. This indicated a high risk of cardiac arrest during the treatment process". Cardiac arrest refers to ventricular fibrillation or asystole. Instead of cardiac arrest, do the authors mean sinus arrest or bradyarrhythmia instead? If they really mean cardiac arrest, then they should provide references for their statement that treatment of thyrotoxicosis with SSS can cause ventricular fibrillation or asystole.

RE-REVIEW REPORT OF REVISED MANUSCRIPT



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Academic degree: BSc, Doctor, MSc

Professional title: Professor, Researcher

Reviewer's Country/Territory: Brazil

Author's Country/Territory: China

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Reviewer chosen by: Yu-Lu Chen

Reviewer accepted review: 2023-01-17 23:04

Reviewer performed review: 2023-01-17 23:36

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 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
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

Dear authors! The article became much more consistent, but the division of reported



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cases into topics did not help. The cases could be described in their entirety in sequence. Some topics the text is long and others short, this is bad. Therefore cases must be described continuously.