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| Book Name: | [**Medical Science: Trends and Innovations**](https://www.bookpi.org/bookstore/product/medical-science-trends-and-innovations-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4856** |
| Title of the Manuscript: | **Thyrotoxic Periodic Paralysis** |
| Type of the Article | **Book Chapter** |

**Special note:**

**A research paper already published in a journal can be published as a Book Chapter in an expanded form with proper copyright approval.**

**Source Article:**

**This chapter is an extended version of the article published by the same author(s) in the following journal.**

**Journal of Clinical Case Reports, 6(7): 1000839, 2016.**

**Doi:10.4172/2165-7920.1000839**

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| PART 1: Comments | | |
|  | Reviewer’s comment **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | This article illustrates the importance of proper potassium repletion methods based on initial hypokalemia, as aggressive potassium repletion may cause rebound hyperkalemia which may cause arrhythmia. Specifically educates audiances of mechanism of TPP, which is potassium intracellular shift, not total depletion of potassium. Since the condition is relatively rare in USA, article educates audiances of proper treatment course for TPP which involves beta blockers to reverse its root cause of the pathology. |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Yes, article is about what title states.** |  |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. | **At the end of the abstract, it would be better to also mention about learning point: potassium supplementation should be performed carefully/under guidance/step wise manner to avoid overrepletion which may cause cardiovascular comorbities.** |  |
| **Is the manuscript scientifically, correct? Please write here.** | **Yes, it is correct that adrenergic state of thyrotoxicosis cause hyperthyroidism as well as hypokalemia leading to extremity weakness, more frequently lower part. Also as according to reference states, monitoring and treatment courses are accurate.** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | **11th reference Thyrotoxic Periodic Paralysis: Clinical Challenges. Journal of thyroid research- it says RETRACTED, meaning that study has been withdrawn due to concerns regarding its validity or methodology. Therefore this article should not be used as a reference for reliability/credibility. May include a clinical case as we well- Thyrotoxic Periodic Paralysis: The Peril of Potassium Replacement DOI: 10.7759/cureus.32926** |  |
| Is the language/English quality of the article suitable for scholarly communications? | Overall adequate, though overall the wording could be more succinct with fewer words while having same meaning. Grammar could improve as well. First sentence should be with “A 31-year-old Hispanic…” instead of without hyphens. Also regular wording, medication names should not be capitalized unless it is a beginning of the sentence. Please correct capitalizations. |  |
| Optional/General comments | Blood work results should all include units. Glucose. AST, ALT, lipase, CPK. Etc. They all require units to be interpretable. |  |

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| **PART 2:** | | |
|  | Reviewer’s comment | Author’s comment *(if agreed with the reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in detail)* |  |

**Reviewers:**

**Sean Ho Yoon, USA**