Reviewer’s report

Title: A case report of Hoffmann’s syndrome necessitating forearm fasciotomy

Version: 0 Date: 12 Nov 2019

Reviewer: Aldo Ferreira-Hermosillo

Reviewer's report:

1. Do you believe the case report is authentic?
   Yes

2. Do you have any ethical concerns? Please consider if local Institutional Review Board approval or ethical approval was obtained (if appropriate) and if the patient (or their parent or guardian in the case of children under 18) gave written, informed consent to publish this case and any accompanying images. A statement to this effect should appear in the manuscript.
   Comments: The article has a proper ethical section

3. Does the Introduction explain the relevance of the case to the medical literature?
   Yes

4. Does the article report the following information? Where information is missing, please specify.
   a. The relevant patient information, including:
      - De-identified demographic information (age, gender, ethnicity) Yes
      - Main symptoms of the patient: No, it should better describe if the patient has other hypothyroidism symptoms.
      - Medical, family and psychosocial history: this section could improve
      - Relevant past interventions and their outcomes: this section could improve

   b. The relevant physical examination findings: Yes

   c. Important dates and times in this case (if appropriate, organized as a timeline via a figure or table); if specific dates could lead to patient identification, consider including
time relevant to initial presentation, i.e. initial presentation at T = 0, follow up at T = 1 month: The author should clarify times in the case presentation

d. Diagnostic assessments, including:
   - Diagnostic methods: Yes
   - Challenges (e.g., financial, language/cultural): Yes
   - Reasoning and prognostic characteristics (e.g., staging), where applicable: Yes

e. Types and mechanism of intervention: The authors should specify the doses of levothyroxine used for this case.

f. A summary of the clinical course of all follow-up visits: The authors should describe the thyroid profile at discharge

5. Is the interpretation (discussion and conclusion) well balanced and supported by the case presented?

Comments: Yes

6. Is the anonymity of the patient protected? Please consider any identifying information in images such as facial features or nametags, whether the patient is named etc. If not, please detail below.

Yes

7. Is the Abstract representative of the case presented?

Comments: Yes

8. Does the case represent a useful contribution to the medical literature?

Comments: Yes

9. Additional comments for the author(s)?

1) In the case presentation: please clarify how much levothyroxine did the patient was taking before suspension? Why his endocrinologist decided to stop its administration after
hypothyroidism due radiation was diagnosed? It could be interest to analyze (if possible) if the patient had a thyroid profile at the time of levothyroxine suspension.

2) Please specify if the patient at arrival to the hospital had other symptoms of hypothyroidism.

3) The authors state that after the first surgery, the patient started with pain in his calves (in less than 24 hours). Subsequently their attendants prescribed levothyroxine and the pain subside. How much time was required for this effect? Please specify the time among the prescription of levothyroxine and improvements in muscular symptoms.

4) The authors must clarify the doses of succinylcholine used during induction of anesthesia.

5) Please report a thyroid profile after muscle symptom improvement or upon discharge of the hospital.

6) In the discussion section the authors must comment: how much time is required for succinylcholine depuration?

Level of interest
Please indicate how interesting you found the manuscript:

An article of importance in its field

Quality of written English
Please indicate the quality of language in the manuscript:

Acceptable

Declaration of competing interests
Please complete a declaration of competing interests, considering the following questions:

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5. Do you have any other financial competing interests?
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No