Reviewer’s report

Title: Successful resuscitation from prolonged hypothermic cardiac arrest without extracorporeal life support (ECLS) – a case report

Version: 0 Date: 11 Aug 2019

Reviewer: Uma Hariharan

Reviewer's report:

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

Yes/No

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: No

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

Yes/No

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 Yes

- Medical, family and psychosocial history No

- Relevant past interventions and their outcomes No

b. The relevant physical examination findings Vital parameters at each situation needs to be mentioned
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.

Yes

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 Yes

f. A summary of the clinical course of all follow-up visits No

Comments:

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
   Yes/No

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)? There is no need to mention date/month, though time of accident and rescue are very important.
   Why was the patient not intubated initially when he became unconscious with low O2 saturation?
   What was the initial ABG report (pre and post intubation)?
   What was the cause of renal failure? How was it managed?
Was the patient tracheostomised?
Was any CT or MRI brain scan done before patient discharge?
Were there any cervical spine injuries due to the fall?
What is the recommendation regarding management of hypothermic Ca in places where ECLS rewarming is NOT available?
Is it reasonable to conclude that in this case hypothermia helped the patient recover fully from CA with just defibrillation and mechanical rewarming?
What were his serum potassium levels at various stages?
It must be mentioned that this is a case where both ACLS and ATLS guideline principles should be applied.

Level of interest
Please indicate how interesting you found the manuscript:
An article whose findings are important to those with closely related research interests

Quality of written English
Please indicate the quality of language in the manuscript:
Not suitable for publication unless extensively edited

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No