Reviewer's report

Title: Electrical storm during induced hypothermia in a patient with early repolarization

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Reviewer: Paolo Bonelli

Reviewer's report:

Patrick Badertscher et al. described a case report of a young patient survived from a cardiac arrest followed by multiple episodes of recurrent ventricular fibrillations during hypothermia protocol in the presence of early repolarization pattern and anomalous origin of LAD. The English form is comprehensible and well written and the case is also interesting and challenging, presenting a strange and a rare clinical scenario.

I have only few suggestions:

- Pag 3 line 29: it sounds better "family's medical history" instead of "the medical family history".

- Pag 3 line 31: family's medical history affecting this patient is quite negative for cardiovascular disease except for sister's sick sinus syndrome treated by PM implantation: it could be interesting to specify wether the sister had a known coronary artery abnormalities: do you have such an information?

- Pag 3 line 54: how soon did you start the hypothermia protocol?

- Pag 4 line 49: after this episode why did you not consider the surgical reimplantation of anomalous LAD?

- Do you have a patient's ECG previous to the first episode of cardiac arrest (e.g. previous medical documentation)? It could be interesting to see it before CPR and first DC shock.

- In conclusion, in general in this case, given the presence of anomalous LAD, its better to speak only about "early repolarization pattern (ERP)" and not about "early repolarization syndrome" as we are not completely sure that the first episode of cardiac arrest is due only to a "primary" arrhythmogenic cause (sustained by ERP).
Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Unable to assess

Does the work include the necessary controls?
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Unable to assess

Are the conclusions drawn adequately supported by the data shown?
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Yes

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

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