Reviewer’s report

Title: Takotsubo Cardiomyopathy Caused by Epinephrine-treated Bee-Sting Anaphylaxis - a Case Report

Version: 0 Date: 31 Aug 2015

Reviewer: Kamen Valchanov

Reviewer’s report:

Dear Editor,

Thank you for the opportunity to review this manuscript. I read it with interest and think it would be a valuable for the readers of Journal of Medical Case Reports.

I do have some suggestions:

I think the spelling of the Takotsubo's cardiomyopathy needs to be corrected.

The title needs to be corrected to Takotsubo's caused by Epinephrine-treated Bee-Sting Anaphylaxis. It is impossible to know whether the pathology was caused by the venom, anaphylactic reaction to it, or the large epinephrine dose. Secondly, the fact that the initial coronary angiography did not demonstrate any obstructive lesions needs to be in the abstract.

It would be nice to state that ECMO is a very useful method of supporting extreme cardiac failure in patients suffering from self-terminating and fast improving conditions like anaphylaxis.

Were there Trypase levels?

Images would be useful, ECG, TTE, CXR.

The English would need improvement.

Minor concerns:

Page 2 Line 5: "patients who have received" cathecholamines.

Page 2 first paragraph: last sentence is unnecessary.

Page 2 Line 15: "the patient suffered from anaphylaxis". How much epinephrine was administered, single or multiple doses, was there an infusion? Cardiogenic shock was diagnosed, myocardial infarction suspected, mechanical ventilation commenced. Inotropic support and IABP were not sufficient to control the cardiogenic shock, and therefore peripheral veno-arterial
ECMO inserted. Which vessels were used? What cannulae were used? What circuit was used? Was there a limb perfusion used? What was the exact ejection fraction at 3 weeks?

Page 3 Line 29: "nearby"

Page 3 Line 56: "noradrenaline", or as it is internationally accepted "norepinephrine"

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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:

Needs some language corrections before being published

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