Reviewer’s report

Title: A Rare But Treatable Cause of Recurrent Chest Pain - Ictal Chest Pain

Version: 0 Date: 24 Sep 2019

Reviewer: Prakash Kotagal

Reviewer's report:

The authors report a case of a 47 year old woman with recurrent episodes of brief chest pain and one episode of waking up confused. VEEG monitoring revealed right temporal sharp waves and seizure pattern during the episodes. After starting antiepileptic medication, she has not had any further episodes.

Comments:

1. The definition of ictal angina is missing from the manuscript. Angina by definition is cardiac chest pain which should involve EKG (electrocardiogram) changes such as ST depression. In addition, patients experiencing angina frequently have blood pressure, heart rate and cardiac enzyme changes during episodes of angina. The author describes a case of ictal chest pain in the absence of electrocardiogram changes (or if there were changes in the electrocardiogram, they are not included in the reported case). Moreover, there is no mention of any changes in blood pressure, heart rate or cardiac enzymes (these should be included). And if no such changes are present and if the only presenting sign of this seizure is chest pain then it should be called "ictal chest pain" and not angina.

2. The title should be rephrased to include "a case report" to better indicate this is an isolated case report.

3. The second paragraph discusses the lateralizing value of ictal pain but does not mention anything about ictal chest pain.

4. It is best to show the EEG figures in a bipolar montage instead of monopolar montage.

5. The authors should discuss the possible mechanisms underlying ictal chest pain. Could it be due to autonomic (sympathetic) network activation or spread to the second sensory area, posterior insular, or parietal operculum regions?
6. In the Conclusion paragraph there are some mistakes such as "unexplained recurrent chest pain" rather than "explained recurrent chest pain" in the conclusion paragraph. The first line of last paragraph of discussion ends in "both our cases" whereas author is reporting just one case. Author may want to re-phrase this as "both our case and the previously reported case"

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Unable to assess

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

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.

Not relevant to this manuscript

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Please indicate the quality of language in the manuscript:

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