Author’s response to reviews

Title: Acute Inferior ST-Elevation Myocardial Infarction (STEMI) Due to Delirium Tremens: A Case Report

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We appreciate the opportunity to revise our article and to address the comments made by the Journal of Medical Case Reports reviewers. The changes are outlined below.

To address the comments made by Reviewer 1:

1. We defined the objective of this manuscript and what was being studied by adding a few descriptive sentences to the end of the background section. Additionally, we clarified the patient’s complicated case presentation to better characterize the time course of events. The nature of the patient’s pneumonia was expanded upon to demonstrate that while it might have influenced the patient’s clinical course, it was more of an incidental finding that did not cause an overwhelming infectious process or any respiratory decompensation.

2. This case report is significant because it adds to the scarce literature documenting the association between alcohol withdrawal syndrome and acute coronary events. It also brings into question the underlying pathophysiology. With a Cardiologist consultation and review, the discussion section was expanded to better demonstrate that the patient’s acute coronary event in the setting of delirium tremens is not fully explained by the current coronary vasospasm hypothesis but rather was in part the result of direct catecholamine-associated myocardial injury.

3. An appropriate description of the fluids and therapeutic additives of a “banana bag” were added.

Thank you for your consideration of this manuscript.