

Dear Reviewers,

First of all, I express my gratitude for your valuable insights and comments, which have helped enrich the manuscript further. The queries and comments have been addressed to the best of my ability as detailed below in red-font texts and in the revised manuscript (highlighted in yellow for your reference).

Please find below my reply to the comments:

Reviewer Number ID: 06140863

Reviewer: comment: The work shows an interesting relationship between COVID-19 and heart rhythm disturbances and highlights the importance of monitoring in young patients, such as the case of a 32-year-old woman. The work presents a correct structure with a coherent case discussion. However, the authors could consider improving the presentation of the figures, pointing out the most relevant elements in the electrocardiogram, and further developing the information in the figure captions.

Reply: We would like to thank the reviewer for all the comments, which have considerably helped us improve our manuscript. We have made revisions based on your comments and have provided our point-by-point responses below. We hope that our responses and revisions appropriately address your comments.

In Figure 1, the inverted P waves, a key characteristic of junctional bradycardia, were highlighted by a red arrow. The same information was stated in the figure caption. (Page 14)

In Figure 3, a new text box has been added with details about increased levels of systemic inflammatory markers. (Page 16)

Reviewer Number ID: 03270754

Reviewer: comment: 1. the manuscript focus on Junctional bradycardia in a patient with coronavirus disease 2019: a case report, after checked the references in Pubmed, novel and forward-looking.

2. If you do not research on the incidence rate along with cardiac arrhythmias, how can you make the conclusion about that the on the association between cardiac arrhythmias and the systemic inflammatory response?

Reply: We would like to thank the reviewer for all the comments, which have considerably helped us improve our manuscript. We have made revisions based on your comments and have provided our point-by-point responses below. We hope that our responses and revisions appropriately address your comments.

The rationale behind suspecting a causal relationship between cardiac arrhythmias and systemic inflammatory response is the very simultaneous occurrence of cardiac arrhythmias and the noted elevation of systemic inflammatory markers. Moreover, the resolution of the event “bradycardia” coincided with decreased systemic inflammatory markers.

In addition to these findings, the published literature supports our assertions. As a result, cardiac arrhythmias were thought to be potentially caused by higher levels of systemic inflammatory markers based on our findings and the supporting literature.

Reviewer comment: 3. Do not understand the “she developed junctional bradycardia while being hemodynamically stable”, what is hemodynamically stable?

Reply: During the episodes of bradycardia, the patient was determined to be hemodynamically stable based on normal blood pressure and cardiac output, normal mental status and breathing. The patient also had normal urine output. There were no additional indications of hemodynamic instability in the patient.

Reviewer comment: 4. The Figures need perfect.

Reply: In Figure 1, the inverted P waves, a key characteristic of junctional bradycardia, were highlighted by a red arrow. The same information was stated in the figure caption. (Page 14)

In Figure 3, a new text box has been added with details about increased levels of systemic inflammatory markers. (Page 16)

Reviewer comment: 5. The English need much more polish.

Reply: The English language editing was carried out to improve the native tone.

Reviewer Number ID: 06245865

Reviewer comment: Change the title of the study from coronavirus disease 2019 as there is no coronavirus disease 2019 as labeled it would be better to change it to COVID-19 or SARS CoV-2.

Reply: We would like to thank the reviewer for all the comments, which have considerably helped us improve our manuscript. We have made revisions based on your comments and have provided our point-by-point responses below. We hope that our responses and revisions appropriately address your comments.

The title of the study has been revised to COVID-19 from coronavirus disease 2019. (Page 1)

Reviewer comment: Use one thing in reference as DOI or doi, There is no spaces in between the date of publication, volume, and page number remove it.

Reply: We apologize for the overlook. The references have been formatted as per examples provided in the journal guidelines. Throughout the references, "DOI" used. The spaces between the date of publication, volume, and page numbers removed.

References generated by Auto-Analyzer on journal's submission platform are also presented in revised manuscript for your reference.