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| Journal Name: | [**Cardiology and Angiology: An International Journal**](https://journalca.com/index.php/CA) |
| Manuscript Number: | **Ms\_CA\_133110** |
| Title of the Manuscript: | **Acute Myocardial Infarction Due to Coronary Artery Embolism in a 62-Year-Old Man with Mitral Stenosis and Atrial Fibrillation: Case Report** |
| Type of the Article | **Case report** |

PART 1: Comments

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|  | **Reviewer’s comment**  **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | **Author’s Feedback** *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | **It is critical to recognize the importance of coronary artery embolization as a cause of myocardial infarction. The treatment approaches for atherosclerosis-based MI versus coronary artery embolization based MI can differ, as well as long term treatment options can also vary.** | The importance of this case study is to underline a rare cause of ACS due to embolism due to rheumatological mitral stenosis a pathology that became rare in a lot of other countries but not our |
| **Is the title of the article suitable? (If not please suggest an alternative title)** | **The title is slightly lengthy and carries too much of detail such as age of the patient.**  **It can be reframed as**  **Coronary artery embolization as a potential cause of MI in a patient with mitral stenosis: a case report** | I propose :  An ACS revealing a severe mitral stenosis : case report |
| **Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.** | **The abstract is satisfactory** | I agree |
| **Is the manuscript scientifically, correct? Please write here.** | It neglects the plaque rupture as an important cause of MI, and IVUS or OCT is needed to attribute the MI due to embolization rather than vulnerable plaque rupture | We already mentioned this in the discussion part |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | The reference quality is optimal, but there are non-English words in between which needs correction. | I corrected them |

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| **Is the** | There are few typing mistakes in-between, | Done . |
| **language/English** | such as |  |
| **quality of the** | *“Background: Coronary artery embolization is* |  |
| **article suitable for** | *an exceedingly rare cause of myocardial* |  |
| **scholarly** | *infarction, but a few cases in association with* |  |
| **communications?** | *prosthetic mechanical valves have been* |  |
|  | *reported. We report a case of embolic* |  |
|  | *myocardial infarction in a patient with critical* |  |
|  | *mitral stenosis and FA”* |  |
|  | *It should be AF in place of FA, and first* |  |
|  | *mention should be full form rather than short* |  |
|  | *form.* |  |
| **Optional/General**  comments | The correlation of Afib and MS in this patient with coronary artery embolization (CAE) is a possible explanation but cannot be a conclusive diagnosis, unless corroborated by imaging of coronaries with IVUS or OCT. | We don t dispose of an IVUS or OCT at our hospital .  We will try to consider those comments . |
|  | It would be interesting to find out about role of statins in managing patients with CAE. |  |
|  | It would also be worthwhile to discuss about non-interventional strategies of management of such patients after angiogram is done and distal disease is identified, and current practices of thrombus aspiration in STEMI management. |  |
|  | Also, the image quality of EKG, Echo are very poor and needs to be uploaded with proper angulation, and image quality |  |

PART 2:

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|  | **Reviewer’s comment** | **Author’s comment** *(if agreed with the reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in detail)* | No |