



COVID-19 Unmasking Coronary Artery Disease

Azhar Ali

Northampton General Hospital Pakistan

Abstract:

We report a case of coronary artery disease unmasked by COVID-19 in a 59 year old male patient who was admitted to medical HDU via emergency department primarily with COVID-19 pneumonia; developed chest pain on the third day of admission with EKG features consistent with infero-posterior ST-segment elevation MI. Troponin were significantly raised and bedside echocardiogram exhibited severely impaired LV systolic dysfunction with hypokinetic inferior and lateral walls. CT coronary angiogram revealed diffuse severe three-vessel coronary disease with very high plaque burden (CADRAD score 4b). Subsequent Cardiac MRI confirmed mid inferolateral LV non-viable infarct and evidence of focal myocarditis (LV apical lateral wall). This case reveals thrombogenicity of COVID-19. However it is more commonly associated with myopericarditis with EKG features mimicking ST-segment elevation MI, which exhibits the importance of further investigation to establish the diagnosis. My case is interesting as this patient with no previous cardiac presentation had type 1 MI unmasked by COVID-19 with consecutive focal myocarditis..

Biography:

My name is Azhar Ali. I am a senior Clinical Fellow in Cardiology in Northampton General hospital. I have completed my MRCP(UK) and FCPS Cardiology(Pakistan) and currently working as a cardiology registrar with NHS..



Publication of speakers:

- Topical treatments for seasonal allergic conjunctivitis: systematic review and meta-analysis of efficacy and effectiveness
- Relationship of self-efficacy and burnout among physicians.
- Effect of amnioinfusion for meconium stained amniotic fluid on perinatal outcome