

Combination of organizing pneumonia and nonspecific interstitial pneumonia following Coronavirus Disease -19 (COVID-19) pneumonia- Case report

Key words: organizing pneumonia, nonspecific interstitial pneumonia, post COVID, case report

Abstract

Introduction: Coronavirus Disease -19 (COVID-19) pandemic is still on the rise throughout the world with constant change in its patterns of virulence and presentation. In the initial period there were not many complications, but with time it has increased its complications affecting mainly the lung. Among survivors, specially lung complications have emerged mainly resulting in interstitial lung disease. This case is about the occurrence of a combination of organizing pneumonia and non-specific interstitial pneumonia in a patient as a complication of COVID-19 infection.

This is a case report on a 65-year-old smoker, without premorbid conditions, presenting with fever and exertional dyspnoea for 4 days. Found to be positive for COVID-19 rapid antigen. Managed as COVID-19 pneumonia, and complicated with exertional desaturation in third week of illness. High resolution computerized tomography (HRCT) chest done on day 20 revealed a combination of non-specific interstitial pneumonia (NSIP) and organizing pneumonia (OP) following COVID infection.

The patient was started on oral steroids and discharged. On follow-up, there was improvement of symptoms and ability to engage in his activities of daily living.

Conclusion: Among patients following COVID infection, there is a rare possibility of getting the combination of organizing pneumonia and non-specific interstitial pneumonia, as a respiratory complication as opposed to the commonly seen organizing pneumonia alone. This has a similar response to corticosteroids with good treatment outcome.