Introduction:
COVID-19 although is a multisystem disease, the major impact still remain in the lungs. There are variable findings presented in both lungs which can be observed in time bound findings in HRCT of chest. A middle age RTPCR positive for SARS-CoV-2 was investigated with the sensitive HRCT on 6th day of illness with subsequent follow up on 9th day.

Fig 1 a&b: GGO in axial section initially visible on right side and later bilateral peripheral in all territory.

Fig 2 (c, d and e): GGO, Air Bronchogram, septal thickening, vessel prominence, crazy paving, fibrotic septa.
Chest axial HRCT image (a) showing multiple foci of Ground glass opacity (GGOs) distributed peripherally involving posterior and lateral segments right lower lobe, lateral segment of left lower lobe and lateral segment of right middle lobe. Reconstructed axial image shows bilateral distribution of GGOs(b). More widespread and multifocal areas of GGO involving all the visible lobes of both lungs in diffuse but predominantly peripheral and posterior distribution, seen in coronal HRCT images (c & d) and in reformatted coronal image(e). Small areas of soft tissue densities with air bronchogram are observed. Thickened vessels are also seen, crazy paving and fibrotic band is also observed when the patient develop ARDS.

HRCT scan of chest is the earliest sensitive test for diagnosing COVID-19 and the sensitivity even better than RTPCR test. The earlier findings are GGO, although not specific, but significant if associated with respiratory symptom and also with microthrombi formation in pulmonary vessels. Although commonly bilateral, there may be unilateral finding and sequential involvement also observed. Subsequent findings are crazy paving pattern, vessel prominence, air bronchogram all are consistent with viral pneumonia. The later on fibrotic band also seen in few patients who develop ARDS.

References: