

عنوان مقاله:

Interpretation of CT Scan Findings During the COVID-19 Pandemic

محل انتشار:

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خلاصه مقاله:

Studies have documented criteria for the prevention, diagnosis, and treatment of COVID-19 pneumonia as more information has become available about its symptoms and complications. Similar to other coronavirus-induced cases of pneumonia, COVID-19 pneumonia causes acute respiratory problems. The chest CT scan, which is easily available in almost all areas, is a common imaging technique for diagnosing pneumonia. Its findings, which are accompanied by high speed, quality, and accuracy, allow the radiologist to easily identify affected areas of the lungs and to determine typical radiological features of patients with pneumonia caused by COVID-19. These features include ground-glass opacity, multifocal patchy consolidation, and interstitial changes with the peripheral distribution. The highest incidence occurs in the 4th and 5th lobes, where about 50% to 75% of the lesions observed. For infected patients, the CT scan protocol includes administration of HRCT technique in the inspiration phase with spiral 4-slice devices and higher. Scan parameters also include KV: 100 - 120, and mAs: 20 - 30, thickness = 1 - 2 mm, spiral, single breath-hold, and Pitch = 0.8 - 1.5, which are determined for all patients. Since there are restrictions on using ionizing radiation for pregnant women, it is recommended to initially conduct PCR tests. If necessary, typical radiography with an abdominal shield can be used for women in the first trimester of pregnancy, and the HRCT technique in low doses can be used for those in the second and third trimesters.

کلمات کلیدی:

COVID-19, CT Scan, Typical Symptoms, Ground Glass, CT Scan Follow-Up

