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Initial CT scan and its relationship with Covid-19



We read with great interest the article recently published by Khosravi et al. entitled “Predictive value of initial CT scan for various adverse outcomes in patients with COVID-19 pneumonia”.¹ This study has shown that CT findings may be related to admission to intensive care unit (ICU), intubation and mortality. As is known, COVID-19 patients with hypertension, cardio-cerebrovascular diseases and diabetes are more frequently admitted to ICU.² Patients with heart and renal insufficiencies show more ground glass opacities (GGO) on CT scan.³ In this study, we did see any information about the diseases that could mimic the COVID-19 pneumonia on CT images. In addition, the association between smoking and bad prognosis in COVID-19 patients has been well documented.⁴ In patients with smoking-related idiopathic interstitial pneumonias, CT scan demonstrates reticular patterns and GGOs.⁵ We think that smoking and presence of possible smoking-related idiopathic interstitial pneumonias may affect the results of the study.

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