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Review of radiographic findings in COVID-19

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Abstract

The purpose of this study is to review the published literature for the range of radiographic findings present in patients suffering from coronavirus disease 2019 infection. This novel corona virus is currently the cause of a worldwide pandemic. Pulmonary symptoms and signs dominate the clinical picture and radiologists are called upon to evaluate chest radiographs (CXR) and computed tomography (CT) images to assess for infiltrates and to define their extent, distribution and

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Review of radiographic findings in coronavirus disease 2019

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Coronavirus (COVID-19) statistics

Shaanxi cases

Updated Jul 1 at 8:42 PM local

Confirmed	Deaths	Recovered
320	3	307

China (mainland) cases

Updated Jul 1 at 8:42 PM local

Confirmed	Deaths	Recovered
83,534 +3	4,634	78,479 +10

See breakdown

Daily new cases in China (mainland)

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* Spikes reflect previously unreported cases



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• Multifocal rounded opacities and nodules Commonly reported imaging features of COVID -19 pneumonia are present. Other processes such as **influenza pneumonia** and organizing pneumonia, as can be seen with drug toxicity and connective tissue disease, can cause a similar imaging pattern.

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<https://pubs.rsna.org/doi/10.1148/ryct.2020200210>

Jun 01, 2020 · The **imaging findings of COVID-19** represent an interesting form of acute lung injury that progresses to an ARDS-like picture with patterns that overlap with organizing pneumonia of any etiology. 25 Distinguishing **COVID-19** infection from other conditions with similar CXR and **CT findings** requires consideration of all clinical information, exposure history, and alternative diagnoses. 26

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COVID-19 pneumonia manifests with chest CT imaging abnormalities, even in asymptomatic patients, with rapid evolution from focal unilateral to diffuse bilateral ground-glass opacities that progressed to or co-existed with consolidations within 1–3 weeks. Combining assessment of imaging features with clinical and laboratory **findings** could facilitate early diagnosis of **COVID-19** pneumonia.

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