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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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Confirmed

320

Deaths

3

Recovered

307

China (mainland) cases

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Confirmed

83,534 +3

Deaths

4,634

Recovered

78,479 +10

See breakdown



Daily new cases in China (mainland)

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[PDF] [Chest Radiographic Findings in COVID-19 - UCLA Health](https://www.uclahealth.org/radiology/workfiles/pdf/...)

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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.

COVID-19: A Multimodality Review of Radiologic Techniques ...

<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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Author: Sayan Manna, Jill Wruble, Samuel Z Mar...

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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.

Review of Chest Radiograph Findings of COVID-19 Pneumonia ...

<https://pubmed.ncbi.nlm.nih.gov/32520846>

Review of Chest Radiograph Findings of COVID-19 Pneumonia and Suggested Reporting Language - PubMed The diagnosis of **coronavirus disease 2019 (COVID-19)** is confirmed by **reverse** transcription polymerase chain reaction. The utility of **chest radiography** (CXR) remains an evolving topic of ...

Author: Diana E. Litmanovich, Michael Chung,... **Publish Year:** 2020

Radiological findings from 81 patients with COVID-19 ...

[https://www.thelancet.com/journals/laninf/article/PIIS1473-3099\(20\)30086-4/fulltext](https://www.thelancet.com/journals/laninf/article/PIIS1473-3099(20)30086-4/fulltext)

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.

Cited by: 865 **Author:** Heshui Shi, Xiaoyu Han, Nanchuan Jiang...

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Neurologic and Radiographic Findings Associated With COVID ...

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Jul 01, 2020 · Key Points. Question What are the neurological manifestations of coronavirus disease 2019 (**COVID-19**) in children?. **Findings** In a case series of 4 children with **COVID-19** and neurological symptoms, all 4 patients had signal changes in the splenium of the corpus callosum on neuroimaging and required intensive care admission for the treatment of **COVID-19** pediatric multisystem inflammatory ...

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