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Name of Journal: *World Journal of Clinical Cases*

Manuscript NO: 56531

Manuscript Type: MINIREVIEWS

COVID-19: A review of what radiologists need to know

Tang L *et al.* What should radiologists know about COVID-19

Lei Tang, Yi Wang, Yun Zhang, Xiao-Yong Zhang, Xian-Chun Zeng, Bin Song

Abstract

1 Coronavirus disease-2019 (COVID-19) is spreading throughout the world. Chest radiography and computed tomography play an important role in disease diagnosis, differential diagnosis, severity evaluation, prognosis prediction, therapeutic effects assessment and follow-up of patients with COVID-19. In this review, we summarize knowledge of COVID-19 pneumonia that may help improve the abilities of radiologists to diagnose and evaluate this highly infectious disease, which is essential for epidemic



2019 Coronavirus Disease (COVID-19): A Review of What Radiologists Ne



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Coronavirus disease 2019 is an emerging disease with a rapid increase in cases and deaths since its first identification in Wuhan, China, in December 2019.

Cited by: 250

Author: Sonja A. Rasmussen, John C. Smulian, J...

Publish Year: 2020

Coronavirus disease 2019: What we know? - PubMed

<https://pubmed.ncbi.nlm.nih.gov/32170865>

The COVID-19 epidemic is spreading in China and all over the world now. The purpose of this review is primarily to review the pathogen, clinical features, diagnosis, and treatment of COVID-19, but also to comment briefly on the epidemiology and pathology based on the current evidence.

Cited by: 129

Author: Feng He, Yu Deng, Weina Li

Publish Year: 2020

Coronavirus Disease 2019 (COVID-19) | CDC

<https://www.cdc.gov/coronavirus/2019-ncov>

Coronavirus (COVID-19) Home Page. Links with this icon indicate that you are leaving the CDC website... The Centers for Disease Control and Prevention (CDC) cannot attest to the accuracy of a non-federal website.

Coronavirus Disease 2019: What Radiologists Need to Know

<https://www.imaio.com/en/Company/blog/COVID-19-imaging>

Novel Coronavirus 2019 (COVID-19) disease has spread widely around the world, reaching a pandemic stage in March 2020, with CT imaging playing an important role in the diagnosis of COVID-19. Chest CT is the test of choice for complicated infection due to Covid-19.



COVID-19: A review of what radiologists need to know



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Publish Year: 2020

JACR Reports What Radiologists Need to Know About COVID-19 ...

<https://www.acr.org/Advocacy-and-Economics/...> ▾

Mar 12, 2020 · An online **review** in the Journal of the **American College of Radiology** (JACR ®) presents **radiologists** and departmental personnel with precautions for handling patients with known or suspected coronavirus (**COVID-19**) pneumonia.. The analysis by **radiologist** Soheil Kooraki, MD, and colleagues at the University of Southern California and the University of California, Los Angeles, also addresses how ...

COVID-19 in the radiology department: What radiographers ...

<https://www.sciencedirect.com/science/article/pii/S1078817420300845>

Aug 01, 2020 · At the time of publication, this review offers the most up-to-date recommendations for clinical practitioners in **radiology departments**, including radiographers. **Radiography** practice has to significantly adjust to these new requirements to support optimal and safe imaging practices for the diagnosis of Covid-19.

Cited by: 5 **Author:** N. Stogiannos, D. Fotopoulos, N. Woznitza, ...
Publish Year: 2020

Article - COVID-19 Diagnostic Imaging Recommendations

<https://appliedradiology.com/articles/covid-19...> ▾

The American Journal of **Neuroradiology** published an article, "What Neuroradiologists as Citizens of the World Need to Know," summarizing the virology, epidemiology, presentation, diagnosis, and treatment of COVID-19. 21 The ACR recommends that nuclear medicine ventilation scans not be used unless absolutely necessary and only if appropriate infection control precautions are met.

Neuroradiologic manifestations of COVID-19: what the ...

<https://pubmed.ncbi.nlm.nih.gov/32822060>

Coronavirus disease 2019 (**COVID-19**), caused by severe acute respiratory syndrome coronavirus-2 (SARS-CoV-2), is a global pandemic with a wide spectrum of clinical signs and symptoms. Neurologic manifestations are relatively common, with severe cases often ...

Thoracic Imaging Findings of Multisystem Inflammatory ...

<https://pubs.rsna.org/doi/10.1148/ryct.2020200346>

May 15, 2020 · Typical pediatric COVID-19 infection predominantly affects the **pulmonary parenchyma**, manifesting primarily with bilateral peripheral and subpleural airspace opacities. 25,39,40 Extrapulmonary abnormalities are rare and unexpected in typical acute pediatric COVID-19 infection. 25,39,40 In contrast, pediatric MIS-C associated with COVID-19 is a systemic hyperinflammatory state characterized by ...

What you need to know about COVID-19 in Ottawa on Sunday ...

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Sep 27, 2020 · **COVID-19** can range from a cold-like illness to a severe lung infection, with common symptoms including fever, a cough, vomiting and the loss of ...

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<https://pubmed.ncbi.nlm.nih.gov/32532596>

COVID-19 in the **radiology department**: What radiographers need to know At the time of publication, this review offers the most up-to-date recommendations for clinical practitioners in radiology departments.

Beijing cases

Updated Oct 10 at 4:50 PM local

Confirmed	Deaths	Recovered
929	9	881

China (mainland) cases

Updated Oct 10 at 4:50 PM local

Confirmed	Deaths	Recovered
85,521	4,634	80,681
+21		+15

See breakdown

Global cases

Updated Oct 10 at 4:50 PM local

Confirmed	Deaths	Recovered
36,886,080	1,068,225	25,664,292
+441,796	+7,296	+286,570

See breakdown