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Cardio-thoracic imaging and COVID-19 in the pediatric population: a narrative review

Imaging in COVID-19 peculiarity of the approach in the pediatric population

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This **Systematic Review** aims to elucidate a better understanding of the global impact of COVID-19 on the **pediatric population**. Methods: A **systematic review** of the literature was performed in accordance with PRISMA (Preferred Reporting Items for Systematic Reviews and Meta-Analyses) guidelines to gain insight into **pediatric COVID-19 epidemiology**.

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Apr 23, 2020 - A group of international experts in **pediatric thoracic imaging** from five continents convened to create a consensus statement describing the imaging manifestations of pediatric COVID-19, describing two structured reporting algorithms for **pediatric radiology** reports (one for chest radiographs and one for chest CT) and defining eight consensus recommendations for the utilization of **chest imaging** ...

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Sep 25, 2020 - Typical lung **imaging** features of viral infections in the **pediatric population**, such as perihilar markings and hyperinflation, were not present in **pediatric COVID-19** patients. Methods : A meta-analysis of 29 studies including 1,026 children 0-18 years with RT-PCR-confirmed SARS-CoV-2 to obtain the pooled chest CT scan features.



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Author: Amei Chen, Jun-xiang Huang, Yuting Liao...

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This Systematic **Review** aims to elucidate a better understanding of the global impact of COVID-19 on the **pediatric population**. Methods: A systematic **review** of the literature was performed in accordance with PRISMA (Preferred Reporting Items for Systematic Reviews and Meta-Analyses) guidelines to gain insight into **pediatric** COVID-19 epidemiology.

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Frontiers | COVID-19 in Pediatric Patients: A Focus on CHD ...

<https://www.frontiersin.org/articles/10.3389/fcvm.2020.612460> ▾

Nov 27, 2020 · Published data describing the radiographic findings in **pediatric** patients with **COVID-19** is scarce. During routine practice, **chest x-ray** (CXR) is the preferred modality in children; however, it has low specificity and sensitivity in evaluating lung involvement in ...

Cited by: 1

Author: Rana O Zareef, Nour K Younis, Fadi Bitar, Al...

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Differences in Clinical and Imaging Presentation of ...

<https://pubs.rsna.org/doi/10.1148/ryct.2020200117>

Apr 06, 2020 · COVID-19 shares common CT findings with other coronavirus infections, such as SARS and Middle East respiratory syndrome (12,22,23). Notably, the **pediatric population** generally displayed a milder and slightly diverse range of CT manifestations when compared with adults.

Cited by: 27

Author: Amei Chen, Jun-xiang Huang, Yuting Liao, ...

Publish Year: 2020

Thoracic imaging tests for the diagnosis of COVID-19

<https://pubmed.ncbi.nlm.nih.gov/32997361>

Search methods: We searched the COVID-19 Living Evidence Database from the University of Bern, the Cochrane COVID-19 Study Register, and The Stephen B. Thacker CDC Library. In addition, we checked repositories of COVID-19 publications. We did not apply any language restrictions. We conducted searches for this **review** iteration up to 5 May 2020.

Cited by: 7

Author: Nayaar Islam, Nayaar Islam, Jean-Paul Sal...

Publish Year: 2020

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