

Name of Journal: *World Journal of Clinical Cases*

Manuscript NO: 57686

Manuscript Type: REVIEW

Review of the cardiovascular impact of COVID-19 with a focus on children

Rodriguez-Gonzalez M *et al.* Cardiovascular involvement in pediatric COVID-19

Moises Rodriguez-Gonzalez, Ana Castellano-Martinez, ⁴⁵Helena Maria Cascales-Poyatos,
Alvaro Antonio Perez-Reviriego

⁵Abstract

Since the beginning of the pandemic coronavirus disease-2019 ²⁴(COVID-19) in children has shown milder cases and a better prognosis than adults. Although the respiratory ¹⁶tract is the primary target for severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), the virus may interact with the cardiovascular system producing myocardial injury through different mechanisms, increasing morbidity in both, previously healthy

Match Overview

1	Internet 364 words crawled on 04-Jul-2020 www.mdpi.com	4%
2	Internet 125 words crawled on 18-Sep-2020 www.cdc.gov	2%
3	Crossref 111 words Abbey J. Winant, Einat Blumfield, Mark C. Liszewski, Jessica Kurian, Alexandra Foust, Edward Y. Lee. "Thoracic I	1%
4	Crossref 99 words Sakshi Sachdeva, Anita Saxena. "COVID-19 and Congenital Heart Disease: Perspectives From a Resource-limited	1%
5	Internet 93 words crawled on 03-Sep-2020 www.nornesk.no	1%
6	Crossref 81 words Robert M Radke, Tim Frenzel, Helmut Baumgartner, Gerald-Paul Diller. "Adult congenital heart disease and the C	1%
7	Crossref 75 words Weiyi Tan, Jamil Aboulhosn. "The cardiovascular burden of coronavirus disease 2019 (COVID-19) with a focus on...	1%
8	Crossref 69 words Giuseppe Limongelli, Lia Crotti. "COVID-19 pandemia and inherited cardiomyopathies and channelopathies: a sh...	1%



A review of the cardiovascular impact of COVID-19 with a focus on childr



ALL

IMAGES

VIDEOS

77,000,000 Results

Any time ▼

Impact of COVID -19 on children: special focus on the ...

<https://pubmed.ncbi.nlm.nih.gov/32613821>

Although medical literature shows that **children** are minimally susceptible to 2019-Corona virus disease (COVID-19), they are hit the hardest by psychosocial **impact** of this pandemic. Being quarantined in homes and institutions may impose greater psychological burden than the physical sufferings caused ...

Cited by: 3

Author: Ritwik Ghosh, Mahua J. Dubey, Subhank...

Publish Year: 2020

Confronting the Impact of COVID-19 on Children and ...

[https://www.hopkinsallchildrens.org/ACH-News/...](https://www.hopkinsallchildrens.org/ACH-News/)

Aug 27, 2020 · The current PREDICT COVID-19 **Impact** sub-study was funded by the Johns Hopkins Alliance for a Healthier World COVID Launchpad Grant and a COVID-19 research grant from the Johns Hopkins All **Children** Foundation. The study will survey families about how their routines, stressors, supports, child care, and health and wellbeing have been affected by ...

New study warns of COVID-19 impact on cardiovascular health

<https://www.medicalnewstoday.com/articles/new...>

May 19, 2020 · Meanwhile, a review of available evidence indicates that COVID-19 is sometimes associated with serious cardiovascular outcomes, including **heart failure** and **heart attacks**, as well as **blood clots**.

Opinion: Why too much focus on COVID-19 could be ...

<https://www.cam.ac.uk/research/news/opinion-why...>

Opinion: Why too much focus on COVID-19 could be harming our **children** COVID-19 hurts even those who escape infection – particularly **children**, writes paediatrician Dr Kai Hensel from the University of Cambridge in the journal Archives of Disease in Childhood .

UNICEF: Focus on Elderly Hides Potential Impact of COVID ...

<https://www.voanews.com/covid-19-pandemic/unicef...>

Apr 17, 2020 · While the elderly are more vulnerable to the virus, the measures put in place to contain COVID-19 may have a far-reaching **impact** on the physical and mental well-being of ...



150,000,000 Results Any time ▾

Impact of COVID -19 on children: special focus on the ...

<https://pubmed.ncbi.nlm.nih.gov/32613821>

Although medical literature shows that **children** are minimally susceptible to 2019-Corona virus disease (**COVID-19**), they are hit the hardest by psychosocial **impact** of this pandemic. Being quarantined in homes and institutions may impose greater psychological burden than the physical sufferings caused ...

Cited by: 3 **Author:** Ritwik Ghosh, Mahua J. Dubey, Subhankar ...
Publish Year: 2020

New study warns of COVID-19 impact on cardiovascular health

<https://www.medicalnewstoday.com/articles/new...> ▾

May 19, 2020 · Meanwhile, a review of available evidence indicates that COVID-19 is sometimes associated with serious cardiovascular outcomes, including **heart failure**and **heart attacks**, as well as **blood clots**.

COVID-19 May Cause Severe Heart Condition in Kids

<https://www.webmd.com/lung/news/20200429/covid-19...> ▾

Apr 29, 2020 · WEDNESDAY, April 29, 2020 (HealthDay News) – **Children** don't typically fall seriously ill from the new coronavirus, but doctors are raising the alarm that some kids with **COVID-19** infections in ...

Pediatric COVID-19: Systematic review of the literature

<https://pubmed.ncbi.nlm.nih.gov/32531620>

Objectives: There is limited data regarding the demographics and clinical features of SARS-CoV-2 infection in **children**. This information is especially important as pneumonia is the single leading cause of death in **children** worldwide. This Systematic **Review** aims to elucidate a better understanding of the global **impact of COVID-19** on the pediatric population.

Cited by: 3 **Author:** Neha A. Patel
Publish Year: 2020

(PDF) Impact of COVID-19 on children: Special focus on ...

<https://www.researchgate.net/publication/341214452...>

Jul 02, 2020 · Although medical literature shows that children are minimally susceptible to **2019-Corona virus disease (COVID-19)**, they are hit the hardest by **psychosocial impact** of this pandemic.

Pediatric COVID-19: Systematic review of the literature ...

<https://www.sciencedirect.com/science/article/pii/S0196070920302672>

Sep 01, 2020 · Eligibility for inclusion in the **review** was a specific **focus of COVID-19** on the pediatric population. Studies that had no data, those with data on adults, those with repeat data points due to updates, and those without data specific to patients with positive **COVID-19** testing were excluded. **Children** were defined as being <18 years old.

Challenges and burden of the Coronavirus 2019 (COVID-19 ...

<https://capmh.biomedcentral.com/articles/10.1186/s13034-020-00329-3> ▾

May 12, 2020 · The coronavirus disease 2019 (**COVID-19**) is profoundly affecting life around the globe. Isolation, contact restrictions and economic shutdown impose a complete change to the psychosocial environment in affected countries. These measures have the potential to threaten the mental health of **children** and adolescents significantly. Even though the current crisis can bring with it opportunities for ...

Study detects heart damage in majority of recovered COVID ...

<https://newatlas.com/health-wellbeing/heart-damage...> ▾

A pair of newly published studies in the journal JAMA Cardiology highlight the potential for long-term **heart** complications in recovered **COVID-19** patients. The research suggests the virus can ...

COVID-19 and Cardiology - European Society of Cardiology

<https://www.escardio.org/Education/COVID-19-and-Cardiology> ▾

Sep 11, 2020 · Delivering healthcare remotely to **cardiovascular** patients during **COVID-19**: A **review** of evidence; From European Journal of Preventive Cardiology . Obesity, overweight and survival in critically ill patients with SARS-CoV-2 pneumonia; Exercise in the severe SARS-CoV-2 era: Question and answer session with EAPC experts

Coronavirus Pandemic (COVID-19) - Statistics and Research ...

<https://ourworldindata.org/coronavirus> ▾

It helps us understand the direct **impact** by capturing deaths caused by **COVID-19** that were not correctly diagnosed and reported, for example because no test for the virus was conducted. It helps us understand the indirect mortality **impact** by capturing the many ways in which the pandemic has affected health systems and living conditions.

Some results are removed in response to a notice of local law requirement. For more information, please see [here](#).

Search Tools

Turn off Hover Translation (关闭取词)

ALL

IMAGES

VIDEOS

MAPS

NEWS

SHOPPING

52,600,000 Results

Any time ▼

[Pediatric COVID-19: Systematic review of the literature](#)

<https://pubmed.ncbi.nlm.nih.gov/32531620>

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**.

Cited by: 3

Author: Neha A. Patel

Publish Year: 2020

[What We Know About COVID-19's Effects on Child and ...](#)

<https://directorsblog.nih.gov/2020/07/30/what-we...> ▼

Jul 30, 2020 · What We Know About **COVID-19's Effects on Child** and Maternal Health. Posted on July 30th, 2020 by Dr. Francis Collins. There's been a lot of **focus**, and rightly so, on why older adults and adults with chronic disease appear to be at increased risk for coronavirus disease 2019 (**COVID-19**).

[Pediatric COVID-19: Systematic review of the literature ...](#)

<https://www.sciencedirect.com/science/article/pii/S0196070920302672>

Sep 01, 2020 · 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**.

Cited by: 3

Author: Neha A. Patel

Publish Year: 2020

[\(PDF\) Impact of COVID-19 on children: Special focus on ...](#)

<https://www.researchgate.net/publication/341214452...>