

## KIDSCORONA

COVID-19 Child and Mother Open Data and Biobank Project

### LITERATURE REPOSITORY DURING THE OUTBREAK COVID-19: pediatrics and maternal-fetal medicine

*Compilation of publications, agency data, society statements and any other reports or resources that may be of interest*

**REPORT#18 – 27 August 2020**

#### LIST OF LAST WEEK'S PUBLICATIONS

(20 to 27 August 2020)

##### PEDIATRICS:

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##### ORIGINAL DATA

##### *Clinical presentation*

- [SARS-CoV-2 in cardiac tissue of a child with COVID-19-related multisystem inflammatory syndrome](#). Dolhnikoff et al. *The Lancet: Child&Adolescent Health*. 2020 Aug 20. doi: 10.1016/S2352-4642(20)30257-1.
- [SARS-CoV-2 Infection in Children in Southern Italy: A Descriptive Case Series](#). Loconsole et al. *Int J Environ Res Public Health*. 2020 Aug 21. doi: 10.3390/ijerph17176080. PMID: 32825563.
- [COVID-19: A UK Children's Hospital Experience](#). Kanthimathinathan et al. *Hospital Pediatrics*. 2020 Aug 25. doi: 10.1542/hpeds.2020-000208
- [Prevalence of SARS-CoV-2 Infection in Children Without Symptoms of Coronavirus Disease 2019](#). Sola et al. *JAMA Pediatr*. 2020 Aug 25. doi:10.1001/jamapediatrics.2020.4095
- [Ocular Manifestations and Clinical Characteristics of Children With Laboratory-Confirmed COVID-19 in Wuhan, China](#). Ma et al. *JAMA Ophthalmol*. 2020 Aug 26. doi: 10.1001/jamaophthalmol.2020.3690.
- [Children account for a small proportion of diagnoses of SARS-CoV-2 infection and do not exhibit greater viral loads than adults](#). Colson et al. *Eur J Clin Microbiol Infect Dis*. 2020 Aug 26. doi: 10.1007/s10096-020-03900-0. PMID: 32845413.
- [Epidemiological and clinical features of pediatric COVID-19](#). Guo et al. *BMC Med*. 2020 Aug 6. doi: 10.1186/s12916-020-01719-2. PMID: 32762696 PMCID: PMC7408975.
- [COVID-19 Epidemic: Clinical Characteristics of Patients in Pediatric Isolation Ward](#). Zhu et al. *Clin Pediatr (Phila)*. 2020 Oct. doi: 10.1177/0009922820941228. PMID: 32646234.

### ***Transmission and Seroprevalence***

- [High SARS-CoV-2 Seroprevalence in Children and Adults in the Austrian Ski Resort Ischgl](#). Knabl et al. Preprint available in medXriv. 2020 Aug 22. doi: 10.1101/2020.08.20.20178533. *This article has not been peer-reviewed.*
- [SARS-CoV-2 Infections Among Children in the Biospecimens from Respiratory Virus-Exposed Kids \(BRAVE Kids\) Study](#). Hurst et al. Preprint available in medXriv. 2020 Aug 21. doi: 10.1101/2020.08.18.20166835. *This article has not been peer-reviewed.*
- [Impacts of K-12 school reopening on the COVID-19 epidemic in Indiana, USA](#). España et al. Preprint available in medXriv. 2020 Aug 25. doi: 10.1101/2020.08.22.20179960. *This article has not been peer-reviewed.*
- [A five-compartment model of age-specific transmissibility of SARS-CoV-2](#). Zhao et al. Infect Dis Poverty. 2020 Aug 26. doi: 10.1186/s40249-020-00735-x. PMID: 32843094.

### ***Child well-care***

- [Impact of the COVID-19 pandemic on paediatric orthopaedic trauma workload in central London: a multi-centre longitudinal observational study over the "golden weeks"](#). Sugand et al. Acta Orthop. 2020 Aug 24;1-6. doi: 10.1080/17453674.2020.1807092. PMID: 32835573
- [Impact of COVID-19 pandemic led lockdown on the lifestyle of adolescents and young adults](#). Roy et al. Preprint available in medXriv. 2020 Aug 25. doi: 10.1101/2020.08.22.20180000. *This article has not been peer-reviewed.*
- [A Pediatric Infectious Disease Perspective of SARS-CoV-2 and COVID-19 in Children](#). Shane et al. J Pediatric Infect Dis Soc. 2020 Aug 25. doi: 10.1093/jpids/piaa099. PMID: 32840614.

### ***Pediatric surgery***

- [Pediatric surgical services in Bangladesh during the COVID 19 pandemic: How they are affected and how to overcome the backlog, keeping healthcare professionals safe](#). Hannan et al. Preprint available in medXriv. 2020 Aug 21. doi: 10.1101/2020.08.16.20169979. *This article has not been peer-reviewed.*

### ***Mental health***

- [Child and adolescent psychiatry research during the COVID-19 pandemic](#). Gnanavel et al. The Lancet. 2020 Sept. doi: 10.1016/S2215-0366(20)30314-X
- [Transitioning to telehealth neuropsychology service: considerations across adult and pediatric care settings](#). Hewitt et al. Clin Neuropsychol. 2020 Aug 26. doi: 10.1080/13854046.2020.1811891. PMID: 32842849.
- [An investigation of mental health status of children and adolescents in china during the outbreak of COVID-19](#). Duan et al. J Affect Disord. 2020 Oct 1. doi: 10.1016/j.jad.2020.06.029. PMID: 32658812 PMCID: PMC7329661.

### Diagnosis

- [Diagnosis of SARS-CoV-2 in children: accuracy of nasopharyngeal swab compared to nasopharyngeal aspirate.](#) Di Pietro et al. Preprint available in medRxiv. 2020 Aug 25. doi: 10.1101/2020.08.20.20178012. *This article has not been peer-reviewed.*

### Treatment and drug dosing

- [BCG vaccination in infancy does not protect against COVID-19. Evidence from a natural experiment in Sweden.](#) Chaisemartin et al. Clinical Infectious Diseases. 2020 Aug 23. doi: 10.1093/cid/ciaa1223.

### REVIEWS

- [Coronavirus disease 2019 \(COVID-19\) in children: a systematic review of imaging findings.](#) Shelmerdine et al. KPediatr Radiol. 2020 Aug. doi: 10.1007/s00247-020-04726-w. PMID: 32556807 PMCID: PMC7300372.
- [Fifteen-minute consultation: A practical approach to remote consultations for paediatric patients during the COVID-19 pandemic.](#) Galway et al. Arch Dis Child Educ Pract Ed. 2020 Aug 24. doi: 10.1136/archdischild-2020-320000. PMID: 32839193.

### COMMENTS

- [Why is Coronavirus Disease 2019 not as severe in children?-A look at type 2 alveolar cells.](#) Daniel D. Pediatr Pulmonol. 2020 Jun. doi: 10.1002/ppul.24786. PMID: 32314538 PMCID: PMC7264765.
- [Autoimmune Hemolytic Anemia in a Pediatric Patient With Severe Acute Respiratory Syndrome Coronavirus 2 Infection.](#) Hernández et al. Pediatr Infect Dis J. 2020 Sep. doi: 10.1097/INF.0000000000002809. PMID: 32639462.
- [Including Children with Developmental Disabilities in the Equation During this COVID-19 Pandemic.](#) Aishworiya et al. J Autism Dev Disord. 2020 Aug 20. doi: 10.1007/s10803-020-04670-6. PMID: 32816170.
- [Lessons Learned: Pediatric Tele-Mental Health in a Rural Medical Center in the Age of SARS-CoV-2.](#) Satti et al. J Rural Health. 2020 Aug 26. doi: 10.1111/jrh.12512. PMID: 32845031.

### PUBLIC HEALTH GUIDANCE

- [Management strategies for children with COVID-19: ESPR practical recommendations.](#) Raissaki et al. Pediatr Radiol. 2020 Aug. doi: 10.1007/s00247-020-04749-3. PMID: 32621013 PMCID: PMC7332738.
- [Protocol for the development of a rapid advice guidelines for management of children with SARS-CoV-2 infection.](#) Li et al. Ann Palliat Med. 2020 Jul. doi: 10.21037/apm.2020.02.33. PMID: 32156144.

- [COVID-19 Pandemic Preparedness in a United Kingdom Tertiary and Quaternary Children's Hospital: Tales of the Unexpected](#). Alders et al. Preprint available in medXriv. 2020 Aug 22. doi: 10.1101/2020.08.20.20178541. *This article has not been peer-reviewed.*

#### OTHER RESOURCES

- [Debate: Emergency mental health presentations of young people during the COVID-19 lockdown](#). Dennis Ougrin. Child Adolesc Ment Health. 2020 Sep. doi: 10.1111/camh.12411. PMID: 32812360.
- [Assessment of Pediatric Outpatient Visits for Notifiable Infectious Diseases in a University Hospital in Beijing During COVID-19](#). Luo et al. JAMA Netw Open. 2020 Aug 24. doi:10.1001/jamanetworkopen.2020.19224
- [The otolaryngologist's and anesthesiologist's collaborative role in a pandemic: A large quaternary pediatric center's experience with COVID-19 preparation and simulation](#). Willer et al. Int J Pediatr Otorhinolaryngol. 2020 Sep. doi: 10.1016/j.ijporl.2020.110174. PMID: 32563080 PMCID: PMC7284239.
- [Pediatric otolaryngology workflow changes in a community hospital setting to decrease exposure to novel coronavirus](#). Mukerji et al. Int J Pediatr Otorhinolaryngol. 2020 Sep. doi: 10.1016/j.ijporl.2020.110169. PMID: 32526541 PMCID: PMC7274117.

## MATERNAL-FETAL MEDICINE:

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### ORIGINAL DATA

#### *Clinical presentation*

- [COVID-19 in a cohort of pregnant women and their descendants. Cohort profile in the MOACC-19 study.](#) Llorca et al. Preprint available in medRxiv. 2020 Aug 23. doi: 10.1101/2020.08.20.20178657. *This article has not been peer-reviewed.*
- [Symptoms and Critical Illness Among Obstetric Patients With Coronavirus Disease 2019 \(COVID-19\) Infection.](#) Andrikopoulou et al. Obstetrics & Gynecology. 2020 Sep. doi: 10.1097/AOG.0000000000003996.
- [Intraoperative coagulopathy during cesarean section as an unsuspected initial presentation of COVID-19: a case report.](#) Kinsey et al. BMC Pregnancy Childbirth. 2020 Aug 24. doi: 10.1186/s12884-020-03140-2. PMID: 32838744.

#### *Transmission and Seroprevalence*

- [Persistence of SARS-CoV-2 in the first trimester placenta leading to vertical transmission and fetal demise from an asymptomatic mother.](#) Shende et al. Preprint available in medRxiv. 2020 Aug 21. doi: 10.1101/2020.08.18.20177121. *This article has not been peer-reviewed.*
- [Implications of the school-household network structure on SARS-CoV-2 transmission under different school reopening strategies in England.](#) D Munday et al. Preprint available in medRxiv. 2020 Aug 24. doi: 10.1101/2020.08.21.20167965. *This article has not been peer-reviewed.*

#### *Obstetric and neonatal outcomes*

- [Perinatal Maternal-Fetal/Neonatal Transmission of COVID-19: A Guide to Safe Maternal and Neonatal Care in the Era of COVID-19 and Physical Distancing.](#) Afshar et al. NeoReviews. 2020 Aug 24. doi: 10.1542/neo.21-12-e1000

#### *Maternal and child well-care*

- [Appropriate care for neonates born to mothers with COVID-19 disease.](#) Tran et al. Acta Paediatr. 2020 Sep. doi: 10.1111/apa.15413. PMID: 32544288 PMCID: PMC7323199
- [Clinical Characteristics and Outcomes of Childbearing-Age Women With COVID-19 in Wuhan: Retrospective, Single-Center Study.](#) Wei et al. J Med Internet Res. 2020 Aug 24. PMID: 32750000.
- [COVID-19 and Newborn Care: April 2020.](#) Horbar et al. Pediatrics. 2020 Aug. doi: 10.1542/peds.2020-002824.

#### *Mental health*

- [COVID-19-related anxiety and concerns expressed by pregnant and postpartum women-a survey among obstetricians.](#) Nanjundaswamy et al. Arch Womens Ment Health. 2020 Aug 25. doi: 10.1007/s00737-020-01060-w. PMID: 32839898.

### ***Treatment and drug dosing***

- [Remdesivir treatment for severe COVID-19 in third-trimester pregnancy: Case report and management discussion](#). Maldarelli et al. 2020 Aug 24. Open Forum Infectious Diseases. doi: 10.1093/ofid/ofaa345

### **REVIEWS**

- [Repercussions of the covid-19 pandemic on the mental health of pregnant and puerperal women: a systematic review](#). Vieira et al. 2020 Aug 21. Preprint available in medXriv. doi: 10.1101/2020.08.17.20176560. *This article has not been peer-reviewed.*
- [COVID-19 Coagulopathy in Pregnancy: Critical Review, Preliminary Recommendations and ISTH Registry - Communication from the ISTH SSC for Women's Health](#). Kadir et al. J Thromb Haemost. 2020 Aug 26. doi: 10.1111/jth.15072. PMID: 32846051.

### **COMMENTS**

- [Maternal and child health during the COVID-19 pandemic: Contributions in the field of human biology](#). Gildner et al. Am J Hum Biol. 2020 Aug 26. doi: 10.1002/ajhb.23494. PMID: 32845032.
- [Examining Inequities Associated With Changes in Obstetric and Gynecologic Care Delivery During the Coronavirus Disease 2019 \(COVID-19\) Pandemic](#). Isquick et al. Obstet Gynecol. 2020 Sep. doi: 10.1097/AOG.0000000000004074. PMID: 32826581.

### **OTHER RESOURCES**

- [Breastmilk; a source of SARS-CoV-2 specific IgA antibodies](#). Van Keulen et al. Preprint available in medXriv. 2020 Aug 21. doi: 10.1101/2020.08.18.20176743. *This article has not been peer-reviewed.*
- [Rapid establishment of a COVID-19 perinatal biorepository: early lessons from the first 100 women enrolled](#). Shook et al. BMC Med Res Methodol. 2020 Aug 26. doi: 10.1186/s12874-020-01102-y. PMID: 32842979.