

What Have We Learned About Perinatal COVID-19?

References

Cursi L, Calo Carducci FI, Chiurchiu S, Romani L, Stoppa F, et al. Severe COVID-19 Complicated by Cerebral Venous Thrombosis in a Newborn Successfully Treated with Remdesivir, Glucocorticoids, and Hyperimmune Plasma. *Int J Environ Res Public Health*. 2021 Dec 15;18(24):13201. doi: 10.3390/ijerph182413201. PMID: 34948814; PMCID: PMC8701660.

Delahoy MJ, Whitaker M, O'Halloran A, Chai SJ, Kirley PD, et al; COVID-NET Surveillance Team. Characteristics and Maternal and Birth Outcomes of Hospitalized Pregnant Women with Laboratory-Confirmed COVID-19 - COVID-NET, 13 States, March 1-August 22, 2020. *MMWR Morb Mortal Wkly Rep*. 2020 Sep 25;69(38):1347-1354. doi: 10.15585/mmwr.mm6938e1. PMID: 32970655; PMCID: PMC7727497.

Frauenfelder C, Brierley J, Whittaker E, Perucca G, Bamford A. Infant With SARS-CoV-2 Infection Causing Severe Lung Disease Treated With Remdesivir. *Pediatrics*. 2020 Sep;146(3):e20201701. doi: 10.1542/peds.2020-1701. Epub 2020 Jun 18. PMID: 32554811.

Gale C, Quigley MA, Placzek A, Knight M, Ladhani S, et al. Characteristics and outcomes of neonatal SARS-CoV-2 infection in the UK: a prospective national cohort study using active surveillance. *Lancet Child Adolesc Health*. 2021 Feb;5(2):113-121. doi: 10.1016/S2352-4642(20)30342-4. Epub 2020 Nov 9. PMID: 33181124; PMCID: PMC7818530.

Henderson LA, Canna SW, Friedman KG, Gorelik M, Lapidus SK, et al. American College of Rheumatology Clinical Guidance for Multisystem Inflammatory Syndrome in Children Associated With SARS-CoV-2 and Hyperinflammation in Pediatric COVID-19: Version 1. *Arthritis Rheumatol*. 2020 Nov;72(11):1791-1805. doi: 10.1002/art.41454. Epub 2020 Oct 3. PMID: 32705809; PMCID: PMC7405113.

Hopwood AJ, Jordan-Villegas A, Gutierrez LD, Cowart MC, Vega-Montalvo W, et al. Severe Acute Respiratory Syndrome Coronavirus-2 Pneumonia in a Newborn Treated With Remdesivir and Coronavirus Disease 2019 Convalescent Plasma. *J Pediatric Infect Dis Soc*. 2021 May 28;10(5):691-694. doi: 10.1093/jpids/piaa165. PMID: 33306130; PMCID: PMC7798965.

Huddleston HG, Jaswa EG, Lindquist KJ, Kaing A, Morris JR, et al. COVID-19 vaccination patterns and attitudes among American pregnant individuals. *Am J Obstet Gynecol MFM*. 2022 Jan;4(1):100507. doi: 10.1016/j.ajogmf.2021.100507. Epub 2021 Oct 11. PMID: 34649015; PMCID: PMC8502724.

Hwang SS, Weikel BW, Hannan KE, Bourque SL. Impact of Coronavirus-19 "Stay-At-Home" Orders on Preterm Birth in Colorado. *J Pediatr*. 2021 Oct 28:S0022-3476(21)01046-5. doi: 10.1016/j.jpeds.2021.10.046. Epub ahead of print. PMID: 34717961; PMCID: PMC8552580.

Kabeerdoss J, Pilia RK, Karkhele R, Kumar TS, Danda D, Singh S. Severe COVID-19, multisystem inflammatory syndrome in children, and Kawasaki disease: immunological mechanisms, clinical manifestations and management. *Rheumatol Int*. 2021 Jan;41(1):19-32. doi: 10.1007/s00296-020-04749-4. Epub 2020 Nov 21. PMID: 33219837; PMCID: PMC7680080.

Liguoro I, Pilotto C, Bonanni M, Ferrari ME, Pusiol A, et al. SARS-CoV-2 infection in children and newborns: a systematic review. *Eur J Pediatr.* 2020 Jul;179(7):1029-1046. doi: 10.1007/s00431-020-03684-7. Epub 2020 May 18. Erratum in: *Eur J Pediatr.* 2021 Jul;180(7):2343. PMID: 32424745; PMCID: PMC7234446.

Lim KH, Soong FSJ, Low YF, Goh XL, Amin Z, Ng YPM. Clinical features and outcomes of neonatal COVID-19: A systematic review. *J Clin Virol.* 2021 Jun;139:104819. doi: 10.1016/j.jcv.2021.104819. Epub 2021 Apr 9. PMID: 33862544; PMCID: PMC8032401.

Munian D, Das R, Hazra A, Ray S. Outcome of Neonates Born to COVID-Positive Women at 6 Months of Age. *Indian Pediatr.* 2021 Sep 15;58(9):853-856. doi: 10.1007/s13312-021-2308-1. Epub 2021 Jul 23. PMID: 34302326; PMCID: PMC8464187.

O'Neil ER, Lin H, Shamshirsaz AA, Naoum EE, Rycus PR, et al. Pregnant and Peripartum Women with COVID-19 Have High Survival with Extracorporeal Membrane Oxygenation: An Extracorporeal Life Support Organization Registry Analysis. *Am J Respir Crit Care Med.* 2022 Jan 15;205(2):248-250. doi: 10.1164/rccm.202109-2096LE. PMID: 34767493; PMCID: PMC8787244.

Pawar R, Gavade V, Patil N, Mali V, Girwalkar A, et al. Neonatal Multisystem Inflammatory Syndrome (MIS-N) Associated with Prenatal Maternal SARS-CoV-2: A Case Series. *Children (Basel).* 2021 Jul 2;8(7):572. doi: 10.3390/children8070572. PMID: 34356552; PMCID: PMC8305422.

Rodriguez Z, Shane AL, Verkerke H, Lough C, Zimmerman MG, et al. COVID-19 convalescent plasma clears SARS-CoV-2 refractory to remdesivir in an infant with congenital heart disease. *Blood Adv.* 2020 Sep 22;4(18):4278-4281. doi: 10.1182/bloodadvances.2020002507. PMID: 32915971; PMCID: PMC7509858.

Ryan L, Plötz FB, van den Hoogen A, Latour JM, Degtyareva M, et al. Neonates and COVID-19: state of the art : Neonatal Sepsis series. *Pediatr Res.* 2021 Dec 28:1–8. doi: 10.1038/s41390-021-01875-y. Epub ahead of print. PMID: 34961785; PMCID: PMC8712275.

Saikia B, Tang J, Robinson S, Nichani S, Lawman KB, et al. Neonates With SARS-CoV-2 Infection and Pulmonary Disease Safely Treated With Remdesivir. *Pediatr Infect Dis J.* 2021 May 1;40(5):e194-e196. doi: 10.1097/INF.0000000000003081. PMID: 33847299.

Sankaran D, Nakra N, Cheema R, Blumberg D, Lakshminrusimha S. Perinatal SARS-CoV-2 Infection and Neonatal COVID-19: A 2021 Update. *Neoreviews.* 2021 May;22(5):e284-e295. doi: 10.1542/neo.22-5-e1001. PMID: 33931474.

Shah PS, Ye XY, Yang J, Campitelli MA. Preterm birth and stillbirth rates during the COVID-19 pandemic: a population-based cohort study. *CMAJ.* 2021 Aug 3;193(30):E1164-E1172. doi: 10.1503/cmaj.210081. PMID: 34344771; PMCID: PMC8354648.

Stock SJ, Carruthers J, Calvert C, Denny C, Donaghy J, et al. SARS-CoV-2 infection and COVID-19 vaccination rates in pregnant women in Scotland. *Nat Med.* 2022 Jan 13. doi: 10.1038/s41591-021-01666-2. Epub ahead of print. PMID: 35027756.

Wong YP, Khong TY, Tan GC. The Effects of COVID-19 on Placenta and Pregnancy: What Do We Know So Far? *Diagnostics (Basel).* 2021 Jan 8;11(1):94. doi: 10.3390/diagnostics11010094. PMID: 33435547; PMCID: PMC7827584.