

**Publications Working Group**

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Section on Neonatal-Perinatal Medicine

## ARTICLES OF INTEREST – September 2021

### [Bolus versus continuous feedings following treatment for medical necrotizing enterocolitis](#)

M L Reppucci, M Paul, P Khetan, et al. *J Neonatal Perinatal Med.*

This is a single-center retrospective study comparing outcomes in patients reintroduced to bolus or continuous feeds after treatment for medical NEC from 2011-2018. Of 61 patients analyzed, 45 were reintroduced to bolus feeds and 16 to continuous feeds. There were no differences between the two groups. The results showed that bolus-fed patients required fewer days of parenteral nutrition ( $p = 0.002$ ), reached goal feeds quicker ( $p = 0.007$ ), had shorter hospital stays ( $p = 0.013$ ) and were discharged faster from diagnosis to discharge ( $p = 0.002$ ). The authors conclude that bolus feeding is associated with superior clinical outcomes compared to continuous feeds among patients treated for NEC.

### [Preterm or early term birth and risk of autism](#)

Casey Crump, Jan Sundquist and Kristina Sundquist. *Pediatrics.*

This is a Swedish national cohort study of over 4 million singleton infants born between 1973 and 2013, who survived to one year and were followed for autism spectrum disorder (ASD) identified from nationwide databases. ASD prevalences were 6.1% for extremely preterm (22-27 weeks), 2.6% for very to moderate preterm (28-33 weeks), 1.9% for late preterm (34-36 weeks), 2.1% for all preterm (<37 weeks), 1.6% for early term (37-38 weeks), and 1.4% for term (39-41 weeks). Compared to term gestation, boys had adjusted prevalence ratios of 3.72 (95% CI 3.27-4.23; extremely preterm), 1.35 (1.30-1.40; all preterm) and 1.11 (1.08-1.13; early term), while girls had 4.19 (3.45-5.09), 1.53 (1.45-1.62), and 1.16 (1.12-1.20) respectively ( $P < .001$  for each). The study concluded that preterm and early term birth were associated with increased risk of ASD in boys and girls consistent with a potential causal relationship.

### [SARS-CoV-2 genome and antibodies in breastmilk: a systematic review and meta-analysis](#)

Faith Zhu, Carlos Zozaya, Qi Zhou, et al. *Arch Dis Child Fetal Neonatal Ed.*

The authors performed a systematic review and meta-analysis of the rate of SARS-CoV-2 genome identification and the presence of SARS-CoV-2 antibodies in breastmilk of mothers with COVID-19. They found that SARS-CoV-2 genome presence in breastmilk is uncommon and is associated with mild symptoms in infants. Additionally, anti-SARS-CoV-2 antibodies may be a more common finding. They conclude that given the low proportion of SARS-CoV-2 genome detected in breastmilk and its lower virulence, mothers with COVID-19 should be supported to breastfeed.

[Dexmedetomidine versus intermittent morphine for sedation of neonates with encephalopathy undergoing therapeutic hypothermia](#)

Anna S Cosnahan, Robert M Angert, Eni Jano, et al. *J Perinatol*.

This retrospective, observational cohort study evaluated neonates from 2 perinatal centers undergoing therapeutic hypothermia who received either morphine (N=36) or dexmedetomidine (N=34).

Dexmedetomidine patients received more breakthrough morphine ( $0.13 \pm 0.13$  vs  $0.04 \pm 0.09$  mg/kg,  $p = 0.001$ ), but less cumulative morphine ( $0.13 \pm 0.13$  vs  $1.79 \pm 0.23$  mg/kg,  $p < 0.0001$ ). Morphine patients on invasive ventilation required increased support (0 vs 31.58%,  $p = 0.02$ ). The authors concluded that dexmedetomidine is effective and safe for sedation and analgesia during therapeutic hypothermia and reduces total opioid usage, with no increased incidence of adverse events.

[Fluid status in the first 10 days of life and death/bronchopulmonary dysplasia among preterm infants](#)

Safiya Soullane, Sharina Patel, Martine Claveau, et al. *Pediatr Res*.

This single center retrospective cohort study included 191 infants between 23-28 weeks gestational age, 98 (51%) of whom had death/BPD. In adjusted analyses, the authors found an association between higher cumulative fluid balance and higher odds of death/BPD (AOR 1.56, 95% CI 1.11-2.25). This was mainly due to the association of cumulative fluid balance with BPD (AOR 1.60, 95% CI 1.12-2.35), rather than with death (AOR 1.08, 95% CI 0.54-2.30). The authors concluded that monitoring of postnatal fluid balance may be an appropriate non-invasive strategy to favor survival without bronchopulmonary dysplasia.

[A new hour-specific serum bilirubin nomogram for neonates  \$\geq 35\$  weeks of gestation](#)

Timothy M Bahr, Erick Henry, Robert D Christensen, et al. *J Pediatr*.

This report updates the 1999 Bhutani bilirubin nomogram with data collected from nearly 400 thousand non-hemolytic babies in Utah from 2004-2018. The cohort is 82% White and 14% Hispanic; other named groups are <2% each. Results are presented for up to 144 hours after birth and percentiles are marked at 40th, 75th, and 95th. These percentiles are compared to the original Bhutani nomogram's risk zones. Sub-group analysis is presented for 35-36 weeks, sex differences, Black vs non-Black, and Asian vs non-Asian. The authors propose these data can be used to improve the evidence supporting appropriate application of phototherapy.

[Bevacizumab for retinopathy of prematurity: 2-year neurodevelopmental follow-up](#)

Michael Zayek, Kaitlyn Parker, Monika Rydzewska, et al. *Am J Perinatol*.

This is a retrospective study of 146 infants treated for ROP. 61 were treated with bevacizumab and 85 were treated with laser only. Selection bias led to more growth restricted infants to be in the bevacizumab group; this group also had more steroid use for BPD, more PRBC transfusions, and more platelet transfusions. 69% of the cohort received neurodevelopmental assessment at 18-24 months. After adjusting for significant confounders, the combined outcome of death or severe neurodevelopmental impairment at 18-24mo follow-up was not different between groups. The authors conclude that ROP treatment bevacizumab is a safe alternative to laser therapy.

[Sex differences in behavioral and brainstem transcriptomic neuroadaptations following neonatal opioid exposure in outbred mice](#)

Kristyn N Borrelli, Emily J Yao, William W Yen, et al. *eNeuro*.

To assess brain mechanisms implicated in NOWS neurobehavior, the authors used a postnatal morphine mouse model to simulate NOWS in humans. They found that daily postnatal morphine imparted long-term growth restriction beyond exposure, generalized increase in anxiety upon withdrawal, and sex-specific alterations in neuroadaptation pathways within the brainstem transcriptome.

[Vitamin A supplementation in very-preterm or very-low-birth-weight infants to prevent morbidity and mortality: a systematic review and meta-analysis of randomized trials](#)

Abhijeet A Rakshasbhuvankar, J Jane Pillow, Karen N Simmer, et al. *Am J Clin Nutr*.

The objective was to synthesize current evidence on vitamin A supplementation in <32 wk GA or VLBW infants and to investigate the factors that may modify its efficacy. The authors evaluated 17 studies in the qualitative and 15 studies and found moderate-certainty evidence suggesting a benefit of vitamin A supplementation for reducing BPD at 36 wks, likely to be limited to infants with baseline intake <1500 IU · kg<sup>-1</sup> · d<sup>-1</sup>.

[Neurodevelopmental outcomes following neonatal late-onset sepsis and blood culture-negative conditions](#)

Sagori Mukhopadhyay, Karen M Puopolo, Nellie I Hansen, et al. *Arch Dis Child Fetal Neonatal Ed*.

The authors sought to determine the risk of death or neurodevelopmental disability in infants with late onset sepsis (LOS), with culture positive infection vs late onset, antibiotic treated and culture negative conditions (LOCNC). Infants with LOS had higher risk of death, but not NDI, compared with infants with LOCNC. Surviving infants with LOCNC had higher risk of NDI compared with unaffected infants.

[Erythropoietin monotherapy for neuroprotection after neonatal encephalopathy in low-to-middle income countries: a systematic review and meta-analysis](#)

Phoebe Ivain, Paolo Montaldo, Aamir Khan, et al. *J Perinatol*.

The authors sought to determine whether erythropoietin monotherapy improved neurodevelopmental outcomes in term and late-term infants with neonatal encephalopathy in low middle income countries, where therapeutic hypothermia might not be available and found reduced risk of death and disability at 18 months follow up.

## **OTHER NOTEWORTHY PUBLICATIONS – September 2021**

### **COVID-19**

Management and short-term outcomes of neonates born to mothers with active perinatal SARS-CoV-2 infection (PDF)

<https://bmcpediatr.biomedcentral.com/track/pdf/10.1186/s12887-021-02872-0.pdf>

Preeclampsia and COVID-19: results from the INTERCOVID prospective longitudinal study

<https://pubmed.ncbi.nlm.nih.gov/34187688>

Coronavirus disease 2019 vaccine response in pregnant and lactating women: a cohort study

<https://pubmed.ncbi.nlm.nih.gov/33775692>

Well-newborn unit director experiences during the COVID-19 pandemic: a BORN study

<https://pubmed.ncbi.nlm.nih.gov/34376484>

Ischemic lesions in the brain of a neonate with SARS-CoV-2 infection

<https://pubmed.ncbi.nlm.nih.gov/34288632/>

SARS-CoV-2 genome and antibodies in breastmilk: a systematic review and meta-analysis (PDF)

<https://fn.bmj.com/content/fetalneonatal/106/5/514.full.pdf>

### **Pediatrics**

Hospital quality of care and racial and ethnic disparities in unexpected newborn complications

<https://pubmed.ncbi.nlm.nih.gov/34429339/>

Preterm or early term birth and risk of autism <https://pubmed.ncbi.nlm.nih.gov/34380775/>  
infant deaths from medical causes after a maltreatment report

<https://pubmed.ncbi.nlm.nih.gov/34426532/>

Congenital syphilis diagnosed beyond the neonatal period in the United States: 2014–2018

<https://pubmed.ncbi.nlm.nih.gov/34465590/>

Breastfeeding and risk of late-onset group b streptococcal disease

<https://pubmed.ncbi.nlm.nih.gov/34385351/>

Newborn pulse oximetry screening at a community hospital: an 8-year experience

<https://pubmed.ncbi.nlm.nih.gov/34429338/>

Very preterm early motor repertoire and neurodevelopmental outcomes at 8 years

<https://pubmed.ncbi.nlm.nih.gov/34452979/>

Use of complete blood cell count components to screen for hereditary spherocytosis in neonates

<https://pubmed.ncbi.nlm.nih.gov/34376530/>

Esophageal atresia and respiratory morbidity

<https://pubmed.ncbi.nlm.nih.gov/34413249/>

Quality reports: expediting treatment of seizures in the intensive care nursery

<https://pubmed.ncbi.nlm.nih.gov/34380776/>

### **Journal of Pediatrics**

A new perspective on vitamin A for premature infants (PDF)

[https://www.jpeds.com/article/S0022-3476\(21\)00693-4/pdf](https://www.jpeds.com/article/S0022-3476(21)00693-4/pdf)

Rates and determinants of mother's own milk feeding in infants born very preterm (PDF)

[https://www.jpeds.com/article/S0022-3476\(21\)00388-7/pdf](https://www.jpeds.com/article/S0022-3476(21)00388-7/pdf)

A new hour-specific serum bilirubin nomogram for neonates  $\geq 35$  weeks of gestation

<https://www.ncbi.nlm.nih.gov/pubmed/34023346>

Normative echocardiographic values for right and left ventricular function in extremely premature neonates

<https://www.ncbi.nlm.nih.gov/pubmed/34022248>

Physiology of low blood pressure during the first day after birth among extremely preterm neonates

<https://www.ncbi.nlm.nih.gov/pubmed/34019882>

Outcomes of very preterm infants conceived with assisted reproductive technologies

<https://www.ncbi.nlm.nih.gov/pubmed/34023343>

Optical detection of intracranial pressure and perfusion changes in neonates with hydrocephalus (PDF)

[https://www.jpeds.com/article/S0022-3476\(21\)00447-9/pdf](https://www.jpeds.com/article/S0022-3476(21)00447-9/pdf)

Neonatal intensive care utilization and postdischarge newborn outcomes: a population-based study of Texas medicaid insured infants

<https://www.ncbi.nlm.nih.gov/pubmed/33940013>

Randomized placebo-controlled trial of topical mupirocin to reduce staphylococcus aureus colonization in infants in the neonatal intensive care unit

<https://www.ncbi.nlm.nih.gov/pubmed/34023342>

Should vitamin A injections to prevent bronchopulmonary dysplasia or death be reserved for high-risk infants? Reanalysis of the national institute of child health and human development neonatal research network randomized trial

<https://www.ncbi.nlm.nih.gov/pubmed/34004189>

Implementation of a standardized neonatal intubation training package

<https://www.ncbi.nlm.nih.gov/pubmed/33940014>

Gestational age, birth weight, and neurocognitive development in adolescents in Tanzania (PDF)

[https://www.jpeds.com/article/S0022-3476\(21\)00387-5/pdf](https://www.jpeds.com/article/S0022-3476(21)00387-5/pdf)

Multicenter validation of the neonatal sequential organ failure assessment score for prognosis in the neonatal intensive care unit

<https://www.ncbi.nlm.nih.gov/pubmed/34022247>

### **Pediatric Research**

The prevalence of ankyloglossia in children aged <1 year: a systematic review and meta-analysis

<https://pubmed.ncbi.nlm.nih.gov/33188284>

Screening methods for neonatal hyperbilirubinemia: benefits, limitations, requirements, and novel developments

<https://pubmed.ncbi.nlm.nih.gov/33941863>

Diagnostic methods for neonatal hyperbilirubinemia: benefits, limitations, requirements, and novel developments

<https://pubmed.ncbi.nlm.nih.gov/33948000>

A review of the role of extracellular vesicles in neonatal physiology and pathology

<https://pubmed.ncbi.nlm.nih.gov/33184501>

Budesonide with surfactant decreases systemic responses in mechanically ventilated preterm lambs exposed to fetal intra-amniotic lipopolysaccharide

<https://pubmed.ncbi.nlm.nih.gov/33177678>

Effect of digestion on stability of palivizumab IgG1 in the infant gastrointestinal tract

<https://pubmed.ncbi.nlm.nih.gov/33214672>

Fluid status in the first 10 days of life and death/bronchopulmonary dysplasia among preterm infants

<https://pubmed.ncbi.nlm.nih.gov/33824447>

Bronchopulmonary dysplasia precursors influence risk of white matter injury and adverse neurodevelopmental outcome in preterm infants

<https://pubmed.ncbi.nlm.nih.gov/32937647>

Human breast milk-derived exosomes may help maintain intestinal epithelial barrier integrity

<https://pubmed.ncbi.nlm.nih.gov/33731816>

Cerebral oxygen saturation and autoregulation during hypotension in extremely preterm infants

<https://pubmed.ncbi.nlm.nih.gov/33879849>

Respiratory, growth, and survival outcomes of infants with tracheostomy and ventilator dependence

<https://pubmed.ncbi.nlm.nih.gov/33010793>

Mid-pregnancy weight gain is associated with offspring adiposity outcomes in early childhood

<https://pubmed.ncbi.nlm.nih.gov/33069163>

Prenatal opioid exposure is associated with smaller brain volumes in multiple regions

<https://pubmed.ncbi.nlm.nih.gov/33177677>

Post-hemorrhagic ventricular dilatation: inter-observer reliability of ventricular size measurements in extremely preterm infants

<https://pubmed.ncbi.nlm.nih.gov/33184496>

Concentrations of fat-soluble nutrients and blood inflammatory compounds in mother–infant dyads at birth

<https://pubmed.ncbi.nlm.nih.gov/33293682>

Establishing reference ranges of cord blood: point-of-care hemostatic function assessment in preterm and term neonates

<https://pubmed.ncbi.nlm.nih.gov/33339964>

Racial differences in opioid withdrawal syndrome among neonates with intrauterine opioid exposure

<https://pubmed.ncbi.nlm.nih.gov/33214673>

Infant weight-for-length gain associated with autonomic nervous system reactivity

<https://pubmed.ncbi.nlm.nih.gov/33203965>

Maternal alcohol consumption and risk of offspring with congenital malformation: the Japan Environment and Children's Study

<https://pubmed.ncbi.nlm.nih.gov/33230193/>

### **Archives of Disease in Childhood - Fetal & Neonatal Edition**

Neonatal encephalopathy and potential lost opportunities: when the story fits, please cool

<https://pubmed.ncbi.nlm.nih.gov/33963006/>

Neonatal hyperglycaemia is associated with worse neurodevelopmental outcomes in extremely preterm infants (PDF)

<https://fn.bmj.com/content/fetalneonatal/106/5/460.full.pdf>

Neurodevelopmental outcomes following neonatal late-onset sepsis and blood culture-negative conditions

<https://pubmed.ncbi.nlm.nih.gov/33478957/>

Comparative efficacy of methods for surfactant administration: a network meta-analysis

<https://pubmed.ncbi.nlm.nih.gov/33452218/>

Heart rate during the first 24 hours in term-born infants

<https://pubmed.ncbi.nlm.nih.gov/33452220/>

Cost of neonatal abstinence syndrome: an economic analysis of English national data held in the National Neonatal Research Database

<https://pubmed.ncbi.nlm.nih.gov/33627328/>

Changing clinical characteristics of infants treated for hypoxic-ischaemic encephalopathy in England, Wales and Scotland: a population-based study using the National Neonatal Research Database (PDF)

<https://fn.bmj.com/content/fetalneonatal/106/5/501.full.pdf>

Comparison of rectal and axillary temperature measurements in preterm newborns

<https://fn.bmj.com/content/fetalneonatal/106/5/509.full.pdf>

Usefulness of video recordings for validating neonatal encephalopathy exams: a population-based cohort study

<https://pubmed.ncbi.nlm.nih.gov/33597228/>

Trends in the incidence and management of hypoxic-ischaemic encephalopathy in the therapeutic hypothermia era: a national population study

<https://pubmed.ncbi.nlm.nih.gov/33685945/>

Can EEG accurately predict 2-year neurodevelopmental outcome for preterm infants? (PDF)

<https://fn.bmj.com/content/fetalneonatal/106/5/535.full.pdf>

Total body water in full-term and preterm newborns: systematic review and meta-analysis

<https://pubmed.ncbi.nlm.nih.gov/33789970/>

NeoBeat offers rapid newborn heart rate assessment

<https://pubmed.ncbi.nlm.nih.gov/33478958/>

Effects of varying chest compression depths on carotid blood flow and blood pressure in asphyxiated piglets

<https://pubmed.ncbi.nlm.nih.gov/33541920/>

Prematurity and postnatal alterations in intermittent hypoxaemia

<https://pubmed.ncbi.nlm.nih.gov/33597229/>

Face mask versus nasal prong or nasopharyngeal tube for neonatal resuscitation in the delivery room: a systematic review and meta-analysis

<https://pubmed.ncbi.nlm.nih.gov/33504574/>

### **Journal of Perinatology**

Immature control of breathing and apnea of prematurity: the known and unknown

<https://pubmed.ncbi.nlm.nih.gov/33712716/>

Genital anomalies in newborns

<https://pubmed.ncbi.nlm.nih.gov/33649448/>

Erythropoietin monotherapy for neuroprotection after neonatal encephalopathy in low-to-middle income countries: a systematic review and meta-analysis (PDF)

<https://www.nature.com/articles/s41372-021-01132-4.pdf>

Maternal transport: an opportunity to improve the system of risk-appropriate care

<https://pubmed.ncbi.nlm.nih.gov/33547406/>

Maternal H-antigen secretor status is an early biomarker for potential preterm delivery

<https://pubmed.ncbi.nlm.nih.gov/33235282/>

Parental age and preterm birth: a population-based cohort of nearly 3 million California livebirths from 2007 to 2012

<https://pubmed.ncbi.nlm.nih.gov/33293667/>

Ethnic differences in the impact of male fetal gender on the risk of spontaneous preterm birth

<https://pubmed.ncbi.nlm.nih.gov/33750936/>

Clinical risk models for preterm birth less than 28 weeks and less than 32 weeks of gestation using a large retrospective cohort

<https://pubmed.ncbi.nlm.nih.gov/34112965/>

'I should have seen her face at least once': parent's and healthcare providers' experiences and practices of care after stillbirth in Kabul province, Afghanistan

<https://pubmed.ncbi.nlm.nih.gov/33408332/>

Outcomes following perinatal palliative care consultation: a retrospective review

<https://pubmed.ncbi.nlm.nih.gov/33597742/>

Decision-making in imminent extreme premature births: perceived shared decision-making, parental decisional conflict and decision regret

<https://pubmed.ncbi.nlm.nih.gov/34285357/>

Clinician–family relationships may impact neonatal intensive care: clinicians' perspectives

<https://pubmed.ncbi.nlm.nih.gov/34091604/>

How to hold an effective NICU family meeting: capturing parent perspectives to build a more robust framework

<https://pubmed.ncbi.nlm.nih.gov/33883689/>

Randomized controlled trial of the "WISER" intervention to reduce healthcare worker burnout (PDF)

<https://www.nature.com/articles/s41372-021-01100-y.pdf>

Comparing light and noise levels before and after a NICU change of design

<https://pubmed.ncbi.nlm.nih.gov/33712715/>

Effects of single family room architecture on parent–infant closeness and family centered care in neonatal environments—a single-center pre–post study (PDF)

<https://www.nature.com/articles/s41372-021-01137-z.pdf>

Perinatal blood biomarkers for the identification of brain injury in very low birth weight growth-restricted infants

<https://pubmed.ncbi.nlm.nih.gov/34083761/>

Blood gas measures as predictors for neonatal encephalopathy severity

<https://pubmed.ncbi.nlm.nih.gov/34168288/>

The relationship of neurodevelopmental impairment to concurrent early childhood outcomes of extremely preterm infants

<https://pubmed.ncbi.nlm.nih.gov/33758389/>

Transient neonatal myasthenia gravis: refining risk estimate for infants born to women with myasthenia gravis

<https://pubmed.ncbi.nlm.nih.gov/33597740/>

Dexmedetomidine versus intermittent morphine for sedation of neonates with encephalopathy undergoing therapeutic hypothermia

<https://pubmed.ncbi.nlm.nih.gov/33649447/>

Caffeine citrate for apnea of prematurity—One dose does not fit all a prospective study

<https://pubmed.ncbi.nlm.nih.gov/34290376/>

New perspective for pain control in neonates: a comparative effectiveness research

<https://pubmed.ncbi.nlm.nih.gov/33664472/>

Identification of pain in neonates: the adults' visual perception of neonatal facial features

<https://pubmed.ncbi.nlm.nih.gov/34253842/>

Delivery room oxygen physiology and respiratory interventions for newborns with cyanotic congenital heart disease

<https://pubmed.ncbi.nlm.nih.gov/33758390/>

Antenatal and perinatal factors influencing neonatal blood pressure: a systematic review (PDF)

<https://www.nature.com/articles/s41372-021-01169-5.pdf>

Vasoactive medications in extremely low gestational age neonates during the first postnatal week

<https://pubmed.ncbi.nlm.nih.gov/33758384/>

Maximum vasoactive-inotropic score and mortality in extremely premature, extremely low birth weight infants

<https://pubmed.ncbi.nlm.nih.gov/33712712/>

Hemodynamic response to milrinone for refractory hypoxemia during therapeutic hypothermia for neonatal hypoxic ischemic encephalopathy

<https://pubmed.ncbi.nlm.nih.gov/33850285/>

Compassionate extubation protocol to improve team communication and support in the neonatal intensive care unit

<https://pubmed.ncbi.nlm.nih.gov/34006968/>

The often forgotten systemic effects of ductus arteriosus: impact on decision-making and future trials

<https://pubmed.ncbi.nlm.nih.gov/34294878/>

Premedication for nonemergent intubations linked to fewer adverse events

<https://pubmed.ncbi.nlm.nih.gov/34274943/>

### **American Journal of Perinatology**

Management of children with the trisomy 18 and trisomy 13 syndromes: is there a shift in the paradigm of care?

<https://www.ncbi.nlm.nih.gov/pubmed/34311488>

Early gut microbiota changes in preterm infants with bronchopulmonary dysplasia: a pilot case-control study

<https://www.ncbi.nlm.nih.gov/pubmed/32446254>

Platelets and immature neutrophils in preterm infants with feeding intolerance

<https://www.ncbi.nlm.nih.gov/pubmed/32446253>

Bevacizumab for retinopathy of prematurity: 2-year neurodevelopmental follow-up

<https://www.ncbi.nlm.nih.gov/pubmed/32446264>

Use of the RAM cannula with early bubble continuous positive airway pressure requires higher pressures: clinical and in vitro evaluations

<https://www.ncbi.nlm.nih.gov/pubmed/32446255>

Mucins and tight junctions are severely altered in necrotizing enterocolitis neonate

<https://www.ncbi.nlm.nih.gov/pubmed/32446259>

Ongoing supplementation of probiotics to cesarean-born neonates during the first month of life may impact the gut microbial

<https://www.ncbi.nlm.nih.gov/pubmed/32446263>

Impacts of neonatal hospitalization on families during the 2019 coronavirus pandemic

<https://www.ncbi.nlm.nih.gov/pubmed/34225372>

Breast milk and breastfeeding of infants born to SARS-COV-2 positive mothers: a prospective observational cohort study

<https://www.ncbi.nlm.nih.gov/pubmed/34182576>

### **Journal of Neonatal-Perinatal Medicine**

Vitamin K deficient bleeding and COVID-19: How are they related?

<https://pubmed.ncbi.nlm.nih.gov/34486992/>

Standardized delivery room management for neonates with a prenatal diagnosis of congenital heart disease: A model for improving interdisciplinary delivery room care

<https://pubmed.ncbi.nlm.nih.gov/33361613/>

Biomarkers as point of care tests (POCT) in neonatal sepsis: A state of science review

<https://pubmed.ncbi.nlm.nih.gov/33337395/>

Neurodevelopmental outcome of healthy term newborn with serum bilirubin >15 mg/dl at one year

<https://pubmed.ncbi.nlm.nih.gov/33337390/>

Pilot study of cerebral and somatic autoregulation using NIRS in preterm neonates

<https://pubmed.ncbi.nlm.nih.gov/33459669/>

Behavioral and neuroanatomical outcomes following altered serotonin expression in a hypoxic-ischemic injury neonate rodent model <https://pubmed.ncbi.nlm.nih.gov/33164949/>

TLR2 and TLR4 expressions in late-onset neonatal sepsis: Is it a potential novel biomarker?

<https://pubmed.ncbi.nlm.nih.gov/33164948/>

Role of lung ultrasound in the assessment of recruitment maneuvers in ventilated preterm neonates with respiratory distress syndrome and its correlation with tracheal IL-6 levels: A randomized controlled trial <https://pubmed.ncbi.nlm.nih.gov/33325403/>

<https://pubmed.ncbi.nlm.nih.gov/33325403/>

Accuracy of a spontaneous breathing trial for extubation of neonates

<https://pubmed.ncbi.nlm.nih.gov/33337394/>

Management of infants born to mothers with chorioamnionitis: A retrospective comparison of the three approaches recommended by the committee on fetus and newborn

<https://pubmed.ncbi.nlm.nih.gov/33337392/>

Delayed cord clamping in infants born less than 35 weeks: A retrospective study

<https://pubmed.ncbi.nlm.nih.gov/33325400/>

Bolus versus continuous feedings following treatment for medical necrotizing enterocolitis

<https://pubmed.ncbi.nlm.nih.gov/33337396/>

Spontaneous intestinal perforation associated with premature twin infants

<https://pubmed.ncbi.nlm.nih.gov/33459668/>

Peripherally inserted central catheter migration in neonates: Incidence, timing and risk factors

<https://pubmed.ncbi.nlm.nih.gov/33459671/>

Breastfeeding initiation among women with preeclampsia with and without severe features

<https://pubmed.ncbi.nlm.nih.gov/33337389/>

Short-term outcome of very low-birth-weight infants in a tertiary care hospital in Saudi Arabia over a decade <https://pubmed.ncbi.nlm.nih.gov/33337393/>

<https://pubmed.ncbi.nlm.nih.gov/33337393/>

Extra corporeal membrane oxygenation support for neonatal vein of Galen aneurysmal malformation:

Case report <https://pubmed.ncbi.nlm.nih.gov/34486991/>

A case of neonate effectively treated with everolimus for giant hepatic hemangioma complicated with congenital duodenal atresia and Kasabach–Merritt syndrome

<https://pubmed.ncbi.nlm.nih.gov/33325401/>

Anal skin tag – An unusual presenting feature of food protein-induced allergic proctocolitis in a neonate

<https://pubmed.ncbi.nlm.nih.gov/33216045/>

Postnatally acquired CMV meningitis diagnosed via BioFire FilmArray: A case report

<https://pubmed.ncbi.nlm.nih.gov/33325402/>

## **Maternal Health, Neonatology and Perinatology**

Outcomes of neonatal hypothermia among very low birth weight infants: a Meta-analysis

<https://pubmed.ncbi.nlm.nih.gov/34526138/>

## **Neoreviews**

Ureaplasma and its role in adverse perinatal outcomes: a review

<https://pubmed.ncbi.nlm.nih.gov/34470759/>

Maternal-to-fetal transmission of syphilis and congenital syphilis

<https://pubmed.ncbi.nlm.nih.gov/34470760/>

Congenital and perinatal tuberculosis

<https://pubmed.ncbi.nlm.nih.gov/34470761/>

Congenital cytomegalovirus infection: epidemiology, timely diagnosis, and management

<https://pubmed.ncbi.nlm.nih.gov/34470762/>

Index of suspicion: newborn with failure to thrive and diarrhea

<https://pubmed.ncbi.nlm.nih.gov/34470763/>

Index of suspicion: irritable infant with bilateral leg swelling

<https://pubmed.ncbi.nlm.nih.gov/34470764/>

Index of suspicion: neonatal hyperbilirubinemia and cholestasis

<https://pubmed.ncbi.nlm.nih.gov/34470765/>

Strip of the month: maternal hypotension and tachysystole following neuraxial anesthesia: effect on fetus in labor

<https://pubmed.ncbi.nlm.nih.gov/34470766/>

Term newborn with corneal opacity

<https://pubmed.ncbi.nlm.nih.gov/34470767/>

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## **JAMA Pediatrics**

Considering an update on umbilical cord milking for the new guidelines for neonatal resuscitation

<https://www.ncbi.nlm.nih.gov/pubmed/34125140>

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Delivery room interventions for hypothermia in preterm neonates a systematic review and network meta-analysis

<https://www.ncbi.nlm.nih.gov/pubmed/34028513>

Newborn screening—what parents need to know about their infant's first tests

<https://www.ncbi.nlm.nih.gov/pubmed/34309644>

## **BMC Pediatrics**

Cecal epidermoid cyst: a neonatal case with clinicopathological consideration (PDF)

<https://bmcpediatr.biomedcentral.com/track/pdf/10.1186/s12887-021-02884-w.pdf>

Rare novel LPL mutations are associated with neonatal onset lipoprotein lipase (LPL) deficiency in two cases (PDF)

<https://bmcpediatr.biomedcentral.com/track/pdf/10.1186/s12887-021-02875-x.pdf>

Can high-flow nasal cannula reduce the risk of bronchopulmonary dysplasia compared with CPAP in preterm infants? A systematic review and meta-analysis (PDF)

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A randomized EPIREMED protocol study on the long-term visuo spatial effects of very preterm children with a working memory deficit (PDF)

<https://bmcpediatr.biomedcentral.com/track/pdf/10.1186/s12887-021-02867-x.pdf>

Quality of inpatient care of small and sick newborns in Pakistan: perceptions of key stakeholders (PDF)

<https://bmcpediatr.biomedcentral.com/track/pdf/10.1186/s12887-021-02850-6.pdf>

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Vitamin K prophylaxis in newborns (PDF)

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Sudden infant death syndrome prevention (PDF)

<https://bmcpediatr.biomedcentral.com/track/pdf/10.1186/s12887-021-02536-z.pdf>

Newborn pulse oximetry screening for critical congenital heart defects (PDF)

<https://bmcpediatr.biomedcentral.com/track/pdf/10.1186/s12887-021-02520-7.pdf>

Saving babies' lives (SBL) – a programme to reduce neonatal mortality in rural Cambodia: study protocol for a stepped-wedge cluster-randomised trial (PDF)

<https://bmcpediatr.biomedcentral.com/track/pdf/10.1186/s12887-021-02833-7.pdf>

Reliability of visual assessment of neonatal jaundice among neonates of black descent: a cross-sectional study from Tanzania (PDF)

<https://bmcpediatr.biomedcentral.com/track/pdf/10.1186/s12887-021-02859-x.pdf>

Impact of very preterm birth and post-discharge growth on cardiometabolic outcomes at school age: a retrospective cohort study (PDF)

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Neonatal rebound hyperkalemia associated with ritodrine alone: a case report (PDF)

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### **Pediatric Critical Care Medicine**

The value of interleukin-10 in the early diagnosis of neonatal sepsis: a meta-analysis

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### **New England Journal of Medicine**

Correspondence: high congenital syphilis case counts among U.S. infants born in 2020

<https://pubmed.ncbi.nlm.nih.gov/34525291/>

### **Lancet**

Diagnosing pneumomediastinum in a neonate using a lung ultrasound

<https://pubmed.ncbi.nlm.nih.gov/34481572/>

### **JAMA**

Association of epidural analgesia during labor and delivery with autism spectrum disorder in offspring

<https://pubmed.ncbi.nlm.nih.gov/34581736/>

### **BMJ**

Eliminating HIV transmission through breast milk from women taking antiretroviral drugs (PDF)

<https://www.bmj.com/content/bmj/374/bmj.n1697.full.pdf>

### **Pediatric Infectious Disease Journal**

Evaluation of a novel culture system for rapid pathogen identification and detection of cephalosporin resistance in neonatal gram-negative sepsis at a tertiary referral unit in Harare, Zimbabwe

<https://pubmed.ncbi.nlm.nih.gov/33941744/>

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EEG spectral power: a proposed physiological biomarker to classify the hypoxic-ischemic encephalopathy severity in real time

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Mode of delivery in monochorionic compared with dichorionic twin pregnancies

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Relationship between umbilical cord gas values and neonatal outcomes: implications for electronic fetal heart rate monitoring

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Novel insights from fetal and placental phenotyping in 3 mouse models of Down syndrome

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Pregnancy outcomes in women with chronic kidney disease and chronic hypertension: a National cohort study

<https://pubmed.ncbi.nlm.nih.gov/33823152/>

Two-port, exteriorized uterus, fetoscopic meningomyelocele closure has fewer adverse neonatal outcomes than open hysterotomy closure

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The yield of chromosomal microarray in pregnancies with congenital cardiac defects and normal noninvasive prenatal screening

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### **Hospital Pediatrics**

Determining normative values for cerebrospinal fluid profiles in infants

<https://pubmed.ncbi.nlm.nih.gov/34344692/>

Using electronic health record tools to decrease antibiotic exposure in infant sepsis evaluation

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Trends in and documentation of refusal of common routine newborn interventions: 2013–2019

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