

#### **Publications Working Group**

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American Academy  
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Section on Neonatal-Perinatal Medicine

## **ARTICLES OF INTEREST – September 2019**

### **[Early childhood vaccination status of preterm infants](#)**

Hofstetter AM, Jacobson EN, deHart MP, et al. *Pediatrics*.

The authors used the Washington State Immunization Information System to assess vaccine status of infants born in a single urban academic medical center between 2008 and 2013. The population of 10,367 was divided into preterm (<37 weeks) and term (37-43 weeks). 19% were preterm. Overall completed vaccination rates were low, but preterm infants were undervaccinated at 19 and 36 months compared to the term population (47.5% vs 54.0% and 63.6% vs 71.3%, respectively). Flu vaccination was also lower in the preterm group.

### **[Delivery room continuous positive airway pressure and pneumothorax](#)**

Smithhart W, Wyckoff MH, Kapadia V, et al. *Pediatrics*.

This study report on retrospective analysis of delivery room CPAP (without PPV) use in infants born 35-42 weeks at a single center from 2005-2015. Using facemask and NeoPuff, CPAP was typically started at 5cm H<sub>2</sub>O and increased to 8 if needed. CPAP with increased O<sub>2</sub> increased over time, and CPAP with 21% O<sub>2</sub> increased following updated NRP guidelines in 2011. Pneumothorax was more common among infants who received CPAP; this effect was greater in infants who received CPAP without supplemental O<sub>2</sub>. Only 7.9% of patients with pneumothorax received either thoracocentesis or thoracostomy, and no data are available for infants who received CPAP in the delivery room but were not admitted to the NICU.

### **[Enhanced nutrient supply and intestinal microbiota development in very low birth weight infants](#)**

Blakstad EW, Korpela K, Lee S, et al. *Pediatr Res*.

Promoting a healthy intestinal microbiota may have positive effects on short- and long-term outcomes in very low birth weight (VLBW; BW < 1500 g) infants. 50 VLBW infants were randomized to an intervention group receiving enhanced nutrient supply or a control group. Fecal samples from 45 infants collected between birth and discharge were analyzed using 16S ribosomal RNA (rRNA) amplicon sequencing. Nutrition may affect richness, diversity, and microbiota composition. There was no increase in relative abundance of pathogens among infants receiving enhanced nutrient supply. Favorable microbiota development was associated with improved weight gain.

[An economic analysis of human milk supplementation for very low birth weight babies in the USA \(PDF\)](#)

Hampson G, Roberts SLE, Lucas A, et al. *BMC Pediatr*.

An exclusive human milk diet (EHMD) using human milk based products (pre-term formula and fortifiers) has been shown to lead to significant clinical benefits for very low birth weight (VLBW) babies (below 1250 g). The investigators conducted an economic analysis of EHMD compared to usual practice of care amongst VLBW babies in the US, which is to include cow's milk based products when required. An EHMD is dominant in cost-effectiveness terms, that is it is both cost-saving and clinically beneficial, for VLBW babies in a US-based setting.

[Inadequate oral feeding as a barrier to discharge in moderately preterm infants](#)

Edwards L, Cotten CM, Smith PB, et al. *J Perinatol*.

In this prospective study using the NICHD Neonatal research network data, it was found that inadequate oral feeding (IOF) was the most common barrier to discharge in moderately preterm infants, affecting 37% of them. IOF was associated with RDS, PDA, sepsis, NEC and BPD compared to infants discharged and was associated with medical NEC and BPD compared to infants remaining hospitalized for an alternative reason.

[Bronchopulmonary dysplasia is associated with altered brain volumes and white matter microstructure in preterm infants](#)

Lee JM, Choi YH, Hong J, et al. *Neonatology*.

In 56 preterm infants studied (33 with BPD and 23 without BPD), infants with BPD were found to have smaller cerebral white matter volumes, marked reductions in fractional anisotropy in the corpus callosum, corticospinal tract and superior cerebellar peduncle compared with the infants with no BPD, with a significance level of  $p \leq 0.008$  as a Bonferroni correction for multiple comparisons highlighting the impact of BPD on neurodevelopment.

[Inhaled epoprostenol for pulmonary hypertension treatment in neonates: A 12-Year experience](#)

Berger-Caron F, Piedboeuf B, Morissette G, et al. *Am J Perinatol*.

This retrospective cohort study included infants < 28 days with PPHN treated with iPGI<sub>2</sub> (epoprostenol) in the neonatal or pediatric intensive care units of a single institution between 2004 and 2016. A total of 43 patient episodes were reviewed. The authors found that oxygenation index and FiO<sub>2</sub> decreased after initiation ( $p=0.047$  and  $p=0.0018$  respectively) and no significant adverse effects were reported.

[Fetal exposure to maternal inflammation interrupts murine intestinal development and increases susceptibility to neonatal intestinal injury](#)

Elgin TG, Fricke EM, Gong H, et al. *Dis Model Mech*.

To simulate fetal exposure to inflammation induced by chorioamnionitis, pregnant mice were injected intraperitoneally with lipopolysaccharide (LPS), after which pups were delivered at term. Induced inflammation had no effect on growth but decreased goblet and Paneth cells numbers, increased serum IL-6-dependent cytokines, and enhanced the susceptibility to LPS-induced intestinal injury later in life. These findings provide an explanation for the higher incidence of NEC in preterm infants exposed to chorioamnionitis.

[Milk analysis using milk analyzers in a standardized setting \(MAMAS\) study: A multicentre quality initiative](#)

Kwan C, Fusch G, Rochow N, et al. *Clin Nutr*.

To investigate consistency between human milk analyzers, the authors tested identical milk samples using the Unity SpectraStar and MIRIS Human Milk Analyzers. They identified significant variations in accuracy and precision between the analyzers' fat, protein and lactose measurements which were by minimized by establishing individual correction algorithms and inclusion of repeated assessments. The authors conclude that the variations are clinically relevant and highlight the need to follow GCLP when using milk analyzers to ensure proper adjustment of macronutrients.

[Fraction of inspired oxygen as a predictor of CPAP failure in preterm infants with respiratory distress syndrome: a prospective multicenter study](#)

Gulczyńska E, Szczapa T, Hożejowski R, et al. *Neonatology*.

In this multicenter, prospective study of infants <30 weeks gestation in whom CPAP was initiated within the first 15 min after birth, the authors investigated factors predictive of CPAP failure in the first 72 h, specifically the role of FiO<sub>2</sub>. Using logistic regression models, demographic, perinatal, and respiratory parameters were analyzed and FiO<sub>2</sub> threshold was determined with ROC curves. CPAP failure occurred in 108/389 infants (27.8%). Birth weight and FiO<sub>2</sub> in the second hour of life (prognostic threshold of FiO<sub>2</sub>=0.29) were significant predictors of CPAP failure. Non-responders to CPAP were noted have a higher incidence of complications such as pneumothorax, BPD and severe IVH and a higher mortality rate.

[Factors impacting physician recommendation for tracheostomy placement in pediatric prolonged mechanical ventilation: a cross-sectional survey on stated practice](#)

Meyer-Macaulay CB, Dayre McNally J, O'Hearn K, et al. *Pediatr Crit Care Med*.

This article details results of a cross sectional web-based survey of physicians practicing at 16 tertiary academic Canadian pediatric hospitals. Using specific cases, the authors sought to characterize their practices and influencing factors toward tracheostomy for prolonged mechanical ventilation. They concluded that physicians remain reluctant to recommend tracheostomy for children requiring prolonged ventilation due to lung disease alone at 3 weeks of mechanical ventilation. Upper airway obstruction was associated with increased willingness while life-limiting condition, severe neurologic injury, unrepaired congenital heart disease, multiple organ system failure, and noninvasive ventilation were associated with a decreased willingness to recommend tracheostomy in pediatric patients.

## **Pediatrics**

Parenteral antibiotic therapy duration in young infants with bacteremic urinary tract infections

<https://www.ncbi.nlm.nih.gov/pubmed/31431480>

Early childhood vaccination status of preterm infants

<https://www.ncbi.nlm.nih.gov/pubmed/31391213>

Delivery room continuous positive airway pressure and pneumothorax

<https://www.ncbi.nlm.nih.gov/pubmed/31399490>

Maternal voice and infant sleep in the neonatal intensive care unit

<https://www.ncbi.nlm.nih.gov/pubmed/31409691>

Commentary: An end in sight: shorter duration of parenteral antibiotics in neonates

<https://www.ncbi.nlm.nih.gov/pubmed/31431481>

Commentary: Understanding the risks and benefits of delivery room CPAP for term infants

<https://www.ncbi.nlm.nih.gov/pubmed/31399489>

Prenatal opioid exposure: neurodevelopmental consequences and future research priorities

<https://www.ncbi.nlm.nih.gov/pubmed/31462446>

Does it matter if this baby is 22 or 23 weeks?

<https://www.ncbi.nlm.nih.gov/pubmed/31395622>

Reducing variability in the infant sepsis evaluation (revise): a national quality initiative

<https://www.ncbi.nlm.nih.gov/pubmed/31434688>

### **Journal of Pediatrics**

Short sleep duration and later overweight in infants

<https://www.ncbi.nlm.nih.gov/pubmed/31208782>

Prenatal, perinatal, and early childhood factors associated with childhood obstructive sleep apnea

<https://www.ncbi.nlm.nih.gov/pubmed/31253409>

Neonatal antibiotics and prematurity are associated with an increased risk of functional gastrointestinal disorders in the first year of life

<https://www.ncbi.nlm.nih.gov/pubmed/31201028>

Associations of neonatal noncardiac surgery with brain structure and neurodevelopment: A prospective case-control study

<https://www.ncbi.nlm.nih.gov/pubmed/31235385>

Risk of meningitis in infants aged 29 to 90 days with urinary tract infection: A systematic review and meta-analysis

<https://www.ncbi.nlm.nih.gov/pubmed/31230888>

Late-onset circulatory collapse and risk of cerebral palsy in extremely preterm infants

<https://www.ncbi.nlm.nih.gov/pubmed/31229321>

Randomized controlled trial of iron-fortified versus low-iron infant formula: Developmental outcomes at 16 years

<https://www.ncbi.nlm.nih.gov/pubmed/31253407>

Association of neonatologist continuity of care and short-term patient outcomes

<https://www.ncbi.nlm.nih.gov/pubmed/31201026>

Echography-guided surfactant therapy to improve timeliness of surfactant replacement: A quality improvement project

<https://www.ncbi.nlm.nih.gov/pubmed/31079857>

Follow-up after percutaneous patent ductus arteriosus occlusion in lower weight infants

<https://www.ncbi.nlm.nih.gov/pubmed/31262530>

Implications of mothers' social networks for risky infant sleep practices

<https://www.ncbi.nlm.nih.gov/pubmed/31201032>

Small-for-gestational age birth confers similar educational performance through middle school

<https://www.ncbi.nlm.nih.gov/pubmed/31301852>

Necrotizing enterocolitis: Using regulatory science and drug development to improve outcomes

<https://www.ncbi.nlm.nih.gov/pubmed/31235383>

Comparing the risk of sudden unexpected infant death to common causes of childhood injury death

<https://www.ncbi.nlm.nih.gov/pubmed/31229319>

A low cost, skin-color-matching tool to detect hyperbilirubinemia

<https://www.ncbi.nlm.nih.gov/pubmed/31439166>

A significant portion of sudden unexpected infant death appears attributable to suffocation

<https://www.ncbi.nlm.nih.gov/pubmed/31439167>

Stem cells for bronchopulmonary dysplasia: A promising yet challenging journey lies ahead

<https://www.ncbi.nlm.nih.gov/pubmed/31255387>

More on the impact of American Academy of Pediatrics palivizumab guidance for infants with respiratory syncytial virus infection

<https://www.ncbi.nlm.nih.gov/pubmed/31204022>

## **Pediatric Research**

Commentary on enhanced nutrient supply and intestinal microbiota development in very low birth weight infants

<https://www.ncbi.nlm.nih.gov/pubmed/31200389>

Regional tissue oxygenation monitoring in the neonatal intensive care unit: evidence for clinical strategies and future directions

<https://www.ncbi.nlm.nih.gov/pubmed/31247635>

Cord blood leptin DNA methylation levels are associated with macrosomia during normal pregnancy

<https://www.ncbi.nlm.nih.gov/pubmed/31117117>

ABO blood group and procoagulant factors: the hypercoagulation hypothesis ABO and Procoagulant factors

<https://www.ncbi.nlm.nih.gov/pubmed/31158844>

Enhanced nutrient supply and intestinal microbiota development in very low birth weight infants

<https://www.ncbi.nlm.nih.gov/pubmed/31086354>

Exploration of potential biochemical markers for persistence of patent ductus arteriosus in preterm infants at 22–27 weeks' gestation

<https://www.ncbi.nlm.nih.gov/pubmed/30287890>

Adrenal function links to early postnatal growth and blood pressure at age 6 in children born extremely preterm

<https://www.ncbi.nlm.nih.gov/pubmed/30631138>

Heart rate fluctuation after birth predicts subsequent cardiorespiratory stability in preterm infants

<https://www.ncbi.nlm.nih.gov/pubmed/31086292>

Comparison of MRI and neurosonogram 1- and 2-dimensional morphological measurements of the newborn corpus callosum

<https://www.ncbi.nlm.nih.gov/pubmed/30965354>

Altered neonatal white and gray matter microstructure is associated with neurodevelopmental impairments in very preterm infants with high-grade brain injury

<https://www.ncbi.nlm.nih.gov/pubmed/31212303>

Forced oscillation measurements in the first week of life and pulmonary outcome in very preterm infants on noninvasive respiratory support

<https://www.ncbi.nlm.nih.gov/pubmed/31108499>

Maternal anemia type during pregnancy is associated with anemia risk among offspring during infancy

<https://www.ncbi.nlm.nih.gov/pubmed/31129681>

Moderate altitude impacts birth weight: 30 years retrospective sibling analyses using record linkage data

<https://www.ncbi.nlm.nih.gov/pubmed/31112991>

Family reflections: prematurity

<https://www.ncbi.nlm.nih.gov/pubmed/30763950>

Insights image for exploration of potential biochemical markers for persistence of patent ductus arteriosus in preterm infants at 22–27 weeks' gestation

<https://www.ncbi.nlm.nih.gov/pubmed/31195403>

## **Journal of Perinatology**

Supporting breastfeeding for women on opioid maintenance therapy: a systematic review

<https://www.ncbi.nlm.nih.gov/pubmed/31263203>

The association between the legalization of recreational marijuana and both small for gestational age births and NICU admissions in Colorado

<https://www.ncbi.nlm.nih.gov/pubmed/31270431>

Short interpregnancy interval as a risk factor for preterm birth in non-Hispanic Black and White women in California

<https://www.ncbi.nlm.nih.gov/pubmed/31209276>

Practical considerations with 17-Hydroxyprogesterone caproate for preterm birth prevention: does timing of initiation and compliance matter?

<https://www.ncbi.nlm.nih.gov/pubmed/31217529>

Contribution of previable births to infant mortality rate racial disparity in the United States

<https://www.ncbi.nlm.nih.gov/pubmed/31089258>

Results of full postmortem examination in a cohort of clinically unexplained stillbirths: undetected fetal growth restriction and placental insufficiency are prevalent findings

<https://www.ncbi.nlm.nih.gov/pubmed/31266993>

Patient and hospital characteristics associated with severe maternal morbidity among postpartum readmissions

<https://www.ncbi.nlm.nih.gov/pubmed/31312037>

Cefazolin pharmacokinetics in premature infants

<https://www.ncbi.nlm.nih.gov/pubmed/30944398>

Inadequate oral feeding as a barrier to discharge in moderately preterm infants

<https://www.ncbi.nlm.nih.gov/pubmed/31296918>

Birth weight discordance in very low birth weight twins: mortality, morbidity, and neurodevelopment

<https://www.ncbi.nlm.nih.gov/pubmed/31312035>

Impact of feeding difficulties in the NICU on neurodevelopmental outcomes at 8 and 20 months corrected age in extremely low gestational age infants

<https://www.ncbi.nlm.nih.gov/pubmed/31300707>

Comparing videofluoroscopy and endoscopy to assess swallowing in bottle-fed young infants in the neonatal intensive care unit

<https://www.ncbi.nlm.nih.gov/pubmed/31332272>

Transitioning from gavage to full oral feeds in premature infants: When should we discontinue the nasogastric tube?

<https://www.ncbi.nlm.nih.gov/pubmed/31366911>

Renal function in small for gestational age preterm infants

<https://www.ncbi.nlm.nih.gov/pubmed/31316148>

Trends in reticulocyte hemoglobin equivalent values in critically ill neonates, stratified by gestational age

<https://www.ncbi.nlm.nih.gov/pubmed/31350450>

Bronchopulmonary dysplasia: risk prediction models for very-low- birth-weight infants

<https://www.ncbi.nlm.nih.gov/pubmed/31337853>

Correlating objective echocardiographic parameters in patients with pulmonary hypertension due to bronchopulmonary dysplasia

<https://www.ncbi.nlm.nih.gov/pubmed/31312036>

Medication use in infants with severe bronchopulmonary dysplasia admitted to United States children's hospitals

<https://www.ncbi.nlm.nih.gov/pubmed/31227785>

Neurodevelopmental outcomes in infants treated with intravitreal bevacizumab versus laser

<https://www.ncbi.nlm.nih.gov/pubmed/31341226>

Improving preoperative identification of infants at risk for severe retinopathy of prematurity

<https://www.ncbi.nlm.nih.gov/pubmed/31089254>

Implementation of a probiotic protocol to reduce rates of necrotizing enterocolitis

<https://www.ncbi.nlm.nih.gov/pubmed/31358866>

## **Neonatology**

Mask versus prongs for nasal continuous positive airway pressure in preterm infants: a systematic review and meta-analysis

<https://www.ncbi.nlm.nih.gov/pubmed/31163418>

Four-dimensional ultrasound for evaluating newborn cardiac output: a pilot study of healthy infants

<https://www.ncbi.nlm.nih.gov/pubmed/31137032>

Are neonatal trials better conducted and reported over the last 6 decades? an analysis on their risk-of-bias status in cochrane reviews

<https://www.ncbi.nlm.nih.gov/pubmed/31108494>

Cerebral oxygenation in neonates immediately after cesarean section and mode of maternal anesthesia

<https://www.ncbi.nlm.nih.gov/pubmed/31096224>

Lung ultrasound to assess the etiology of persistent pulmonary hypertension of the newborn (lupphyn study): a pilot study

<https://www.ncbi.nlm.nih.gov/pubmed/31096216>

Accuracy of brain natriuretic peptide for diagnosing pulmonary hypertension in severe bronchopulmonary dysplasia

<https://www.ncbi.nlm.nih.gov/pubmed/31096210>

Phenobarbital, midazolam pharmacokinetics, effectiveness, and drug-drug interaction in asphyxiated neonates undergoing therapeutic hypothermia

<https://www.karger.com/article/pdf/499330>

Bronchopulmonary dysplasia is associated with altered brain volumes and white matter microstructure in preterm infants

<https://www.ncbi.nlm.nih.gov/pubmed/31112968>

Fraction of inspired oxygen as a predictor of CPAP failure in preterm infants with respiratory distress syndrome: a prospective multicenter study

<https://www.karger.com/article/pdf/499674>

FEEDMI: a study protocol to determine the influence of infant-feeding on very-preterm-infant's gut microbiota

<https://www.ncbi.nlm.nih.gov/pubmed/31132782>

### **American Journal of Perinatology**

Pediatric nurses' knowledge of and self-efficacy in breastfeeding counseling

<https://www.ncbi.nlm.nih.gov/pubmed/30551232>

Associations between maternal exposure to bisphenol A or triclosan and gestational hypertension and preeclampsia: The MIREC study

<https://www.ncbi.nlm.nih.gov/pubmed/30551231>

Distribution of late-onset neonatal sepsis pathogens differs in inpatient and outpatient settings

<https://www.ncbi.nlm.nih.gov/pubmed/30551230>

Inhaled epoprostenol for pulmonary hypertension treatment in neonates: A 12-Year experience

<https://www.ncbi.nlm.nih.gov/pubmed/30551229>

Therapeutic hypothermia in Brazil: A multiprofessional national survey

<https://www.ncbi.nlm.nih.gov/pubmed/30553235>

An accurate automated local similarity factor-based neural tree approach toward tissue segmentation of newborn brain MRI

<https://www.ncbi.nlm.nih.gov/pubmed/30553234>

Association between uterine tachysystole during the last hour of labor and cord blood lactate in parturients at term gestation

<https://www.ncbi.nlm.nih.gov/pubmed/30567001>

Obestatin reduces intestinal damage in experimental necrotizing enterocolitis in newborn rats

<https://www.ncbi.nlm.nih.gov/pubmed/30567000>

Can platelet mass index be a parameter to predict intraventricular hemorrhage in very-low-birth-weight newborns?

<https://www.ncbi.nlm.nih.gov/pubmed/30566999>

Central versus low-lying umbilical venous catheters: A multicenter study of practices and complications

<https://www.ncbi.nlm.nih.gov/pubmed/30566998>

The association between oxidative stress and cardiac functions in infants born to preclamptic mothers

<https://www.ncbi.nlm.nih.gov/pubmed/30583298>



## **Neoreviews**

Noninvasive ventilation in the delivery room for the preterm infant

<https://neoreviews.aappublications.org/content/20/9/e489>

Oxygen therapy for neonatal resuscitation in the delivery room

<https://neoreviews.aappublications.org/content/20/9/e500>

Caveats of cooling: available evidence and ongoing investigations of therapeutic hypothermia

<https://neoreviews.aappublications.org/content/20/9/e513>

Case 1: preterm neonate with hydrops and lactic acidosis

<https://neoreviews.aappublications.org/content/20/9/e520>

Case 2: severe respiratory distress at birth: a rare cause

<https://neoreviews.aappublications.org/content/20/9/e524>

Case 3: late preterm infant with respiratory distress

<https://neoreviews.aappublications.org/content/20/9/e527>

Strip of the month: fetal decelerations: use of vacuum assistance to achieve a vaginal delivery

<https://neoreviews.aappublications.org/content/20/9/e530>

Legal briefs: venous catheter tips need to stay out of the heart

<https://neoreviews.aappublications.org/content/20/9/e543>

A newborn with progressive generalized red-purple papules and plaques

<https://neoreviews.aappublications.org/content/20/9/e539>

## **JAMA Pediatrics**

Prenatal special supplemental nutrition program for women, infants, and children participation: A step toward human capital development

<https://www.ncbi.nlm.nih.gov/pubmed/31260027>

Association of revised WIC food package with perinatal and birth outcomes: A quasi-experimental study

<https://www.ncbi.nlm.nih.gov/pubmed/31260072>

Disclosure of infant unsafe sleep practices by African American mothers in primary care settings

<https://www.ncbi.nlm.nih.gov/pubmed/31260002>

## **BMC Pediatrics**

Improvement in gross motor function and muscle tone in children with cerebral palsy related to neonatal icterus: an open-label, uncontrolled clinical trial (PDF)

[https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6704727/pdf/12887\\_2019\\_Article\\_1669.pdf](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6704727/pdf/12887_2019_Article_1669.pdf)

Imperforate anus associated with anomalous pulmonary venous return in scimitar syndrome. Case report from a tertiary hospital in Ethiopia (PDF)

[https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6710880/pdf/12887\\_2019\\_Article\\_1643.pdf](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6710880/pdf/12887_2019_Article_1643.pdf)

Comparison of NIV-NAVA and NCPAP in facilitating extubation for very preterm infants (PDF)

[https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6712684/pdf/12887\\_2019\\_Article\\_1683.pdf](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6712684/pdf/12887_2019_Article_1683.pdf)

Congenital bronchopulmonary foregut malformation: systematic review of the literature (PDF)

[https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6721191/pdf/12887\\_2019\\_Article\\_1686.pdf](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6721191/pdf/12887_2019_Article_1686.pdf)

Reducing preterm mortality in eastern Uganda: the impact of introducing low-cost bubble CPAP on neonates <1500 g (PDF)

[https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6724283/pdf/12887\\_2019\\_Article\\_1698.pdf](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6724283/pdf/12887_2019_Article_1698.pdf)

Does the fortified milk with high iron dose improve the neurodevelopment of healthy infants?

Randomized controlled trial (PDF)

[https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6727503/pdf/12887\\_2019\\_Article\\_1679.pdf](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6727503/pdf/12887_2019_Article_1679.pdf)

Optimizing gentamicin conventional and extended interval dosing in neonates using Monte Carlo simulation – a retrospective study (PDF)

[https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6729057/pdf/12887\\_2019\\_Article\\_1676.pdf](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6729057/pdf/12887_2019_Article_1676.pdf)

A review of -multidrug-resistant Enterobacteriaceae in a neonatal unit in Johannesburg, South Africa (PDF)



[https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6731552/pdf/12887\\_2019\\_Article\\_1709.pdf](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6731552/pdf/12887_2019_Article_1709.pdf)

Multicenter prospective clinical study to evaluate children short-term neurodevelopmental outcome in congenital heart disease (children NEURO-HEART): study protocol (PDF)

[https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6737686/pdf/12887\\_2019\\_Article\\_1689.pdf](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6737686/pdf/12887_2019_Article_1689.pdf)

Newborn gender as a predictor of neonatal outcome in mixed gender twins born with very low birth weight (PDF)

[https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6737713/pdf/12887\\_2019\\_Article\\_1713.pdf](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6737713/pdf/12887_2019_Article_1713.pdf)

Early prediction of spontaneous Patent Ductus Arteriosus (PDA) closure and PDA-associated outcomes: a prospective cohort investigation (PDF)

[https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6743099/pdf/12887\\_2019\\_Article\\_1708.pdf](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6743099/pdf/12887_2019_Article_1708.pdf)

An economic analysis of human milk supplementation for very low birth weight babies in the USA (PDF)

[https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6744712/pdf/12887\\_2019\\_Article\\_1691.pdf](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6744712/pdf/12887_2019_Article_1691.pdf)

### **Pediatric Critical Care Medicine**

Antibiotic prophylaxis for open chest management after pediatric cardiac surgery

<https://www.ncbi.nlm.nih.gov/pubmed/31107376>

Current epidemiology of vocal cord dysfunction after congenital heart surgery in young infants

<https://www.ncbi.nlm.nih.gov/pubmed/31246739>

Impact of age of packed RBC transfusion on oxygenation in patients receiving extracorporeal membrane oxygenation

<https://www.ncbi.nlm.nih.gov/pubmed/31232850>

Criteria for critical care infants and children: PICU admission, discharge, and triage practice statement and levels of care guidance

<https://www.ncbi.nlm.nih.gov/pubmed/31483379>

Superiority of dynamic needle tip positioning for ultrasound-guided peripheral venous catheterization in patients younger than 2 years old: a randomized controlled trial

<https://www.ncbi.nlm.nih.gov/pubmed/31232853>

Factors impacting physician recommendation for tracheostomy placement in pediatric prolonged mechanical ventilation: a cross-sectional survey on stated practice

<https://www.ncbi.nlm.nih.gov/pubmed/31246744>

### **Lancet**

Planned early delivery or expectant management for late preterm pre-eclampsia (PHOENIX): a randomised controlled trial

<https://www.ncbi.nlm.nih.gov/pubmed/30773459>

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

A randomized trial of prenatal n-3 fatty acid supplementation and preterm delivery

<https://www.ncbi.nlm.nih.gov/pubmed/31509674>

Perilous politics — morbidity and mortality in the Pre-Roe era

<https://www.ncbi.nlm.nih.gov/pubmed/31483960>

Parenting during graduate medical training — practical policy solutions to promote change

<https://www.ncbi.nlm.nih.gov/pubmed/31509672>

Breaching the professional–personal boundary — an unrecognized risk for burnout

<https://www.ncbi.nlm.nih.gov/pubmed/31509673>

### **JAMA**

Mediterranean diet during pregnancy

<https://www.ncbi.nlm.nih.gov/pubmed/31550027>

Optimal gestational weight gain.

<https://www.ncbi.nlm.nih.gov/pubmed/31529002>

Incidence of maternal sepsis and sepsis-related maternal deaths in the United States

<https://www.ncbi.nlm.nih.gov/pubmed/31479129>

### **Pediatric Infectious Disease Journal**

A clinical score to support antiretroviral management of HIV-exposed infants on the day of birth

<https://www.ncbi.nlm.nih.gov/pubmed/31107423>

Gram-negative late-onset sepsis in extremely low birth weight infants is emerging in the Netherlands despite quality improvement programs and antibiotic stewardship

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Perinatal Palliative Care ACOG COMMITTEE OPINION SUMMARY, Number 786

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