

Publications Working Group

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Section on Neonatal-Perinatal Medicine

ARTICLES OF INTEREST – January 2020

[NeoDoppler: New ultrasound technology for continuous cerebral circulation monitoring in neonates](#)

Vik SD, Torp H, Follestad T, et al. *Pediatr Res*.

This study evaluated 25 infants using a doppler (a.k.a. NeoDoppler) gently fixed to the anterior fontanel that continuously measured cerebral blood flow velocity at different depths of the brain. To validate the NeoDoppler, the authors compared the measurements to conventional ultrasound. The authors found that the limits of agreement between the two methods were acceptable and concluded that this method could be used to improve knowledge of cerebral hemodynamics and ultimately help prevent brain injury in at risk neonates.

[2019 American Heart Association focused update on neonatal resuscitation: An update to the American Heart Association guidelines for cardiopulmonary resuscitation and emergency cardiovascular care](#)

Escobedo MB, Aziz K, Kapadia VS, et al. *Pediatrics*.

This is a 2019 focused update to the AHA neonatal resuscitation guidelines based on evidence reviews, with the following recommendations: The initial use of 21% oxygen is reasonable in term and late-preterm newborns (≥ 35 weeks of gestation) receiving respiratory support at birth. 100% oxygen should not be used to initiate resuscitation because it is associated with excess mortality. In preterm newborns (< 35 weeks of gestation) receiving respiratory support at birth, it may be reasonable to begin with 21% to 30% oxygen and to base subsequent oxygen titration on oxygen saturation targets.

[Evaluation of clinically asymptomatic high-risk infants with congenital cytomegalovirus infection](#)

Ronchi A, Zeray F, Lee LE, et al. *J Perinatol*.

This is a retrospective 2 center study of 34 infants with congenital CMV infection and a normal physical examination, over 20 years (1996-2017) reviewing results of laboratory tests, neuroimaging, eye examination and brainstem evoked responses. The results showed that 56% (19/34) had ≥ 1 abnormality: 45% had abnormal neuroimaging, 39% had elevated ALT, 21% had hearing loss, 12% had anemia, 16% had thrombocytopenia; and 3%, chorioretinitis. The authors conclude that infants with congenital CMV and a normal physical exam had other abnormalities, prompting antiviral therapy in about half of the infants (18/34).

[School-age outcomes of children without cerebral palsy cooled for neonatal hypoxic–ischemic encephalopathy in 2008–2010](#)

Lee-Kelland R, Jary S, Tonks J, et al. *Arch Dis Child Fetal Neonatal Ed.*

In this small case control study, 29 children (6-8yr) without CP who had undergone cooling for HIE were compared to 20 age, sex and social class-matched term-born controls. Wechsler Intelligence Scales for Children, Movement Assessment Battery for Children, (MABC-2) and Strengths and Difficulties Questionnaire were used to compare cognitive, motor and behavioral performances. School-age children without CP cooled for HIE had reduced cognitive and motor performance than their peers, as reflected by lower full-scale IQ and total MABC-2 scores, lower verbal comprehension, perceptual reasoning, working memory, processing speed, aiming and catching and manual dexterity scores. The case group also exhibited more emotional difficulties and required extra help in school. The authors stress the need for school-age assessments in these infants as their conclusion.

[**Incorporating dextrose gel and feeding in the treatment of neonatal hypoglycemia](#)

Gregory K, Turner D, Benjamin CN, et al. *Arch Dis Child Fetal Neonatal Ed.*

This retrospective analysis included 2688 infants over 35 weeks gestation screened for neonatal hypoglycemia (NH) before and after implementation of a clinical guideline for NH evaluation and treatment that included incorporation of dextrose gel. Post implementation, fewer infants required IV dextrose for NH. Blood glucose concentration rose about 0.61 mmol/L (11 mg/dL) after gel, and the rise was higher in formula fed infants. Formula feeding was associated with lower odds of recurrent hypoglycaemia, especially with a pregel blood glucose of 2.00–2.17 mmol/L (36–39 mg/dL). The authors conclude that dextrose gel is effective in treatment of NH and suggest using pre-gel glucose values to guide decisions around type of feeding.

[Physiologically based cord clamping improves cardiopulmonary hemodynamics in lambs with a diaphragmatic hernia](#)

Kashyap AJ, Hodges RJ, Thio M, et al. *Arch Dis Child Fetal Neonatal Ed.*

The authors investigated whether aerating the lung before removing placental support (physiologically based cord clamping (PBCC)), improves the cardiopulmonary transition in lambs with a CDH. They found that compared to immediate cord clamping, delaying clamping for a maximum of 10 min (PBCC) after achieving a target tidal volume of 4 mL/kg prevented severe asphyxia immediately after birth, increased pulmonary blood flow, and lowered pulmonary vascular for at least 120 min in lambs with CDH.

[Epigenetic aging in newborns: role of maternal diet](#)

Phang M, Ross J, Raythatha JH, et al. *Am J Clin Nutr.*

Since epigenetic aging is associated with higher risk of cardiovascular disease, cancer, and all-cause mortality, the authors sought to determine if maternal dietary intake was associated epigenetic aging and cardiovascular health markers in the newborn. They found an association between higher epigenetic aging and maternal saturated and monounsaturated fat intake and an inverse association with vitamin D supplementation. Epigenetic age acceleration was associated with aortic intima-media thickness in preterm infants but not term infants

[Relationship between duration of infant exposure to a moderate-to-large patent ductus arteriosus shunt and the risk of developing bronchopulmonary dysplasia or death before 36 weeks](#)

Clyman RI, Hills NK, Liebowitz M, et al. *Am J Perinatol.*

Echocardiograms were reviewed for 423 infants born <28 weeks in a single center from 2005-2018. Infants had an echo on day 7 and serial echo's every 1-2 weeks while the PDA remained moderate-to-large, defined as ≥ 1.5 mm and ≥ 1 other sign on echo. The authors report no difference in BPD/Death between infants with closed ductus and those with small PDA at 1 week. However, infants with moderate-to-large PDA at 1 week had a higher incidence of BPD/Death (OR=2.04, CI 1.62-2.46). Timing of closure analysis showed there was no further increase in risk of BPD/Death once the PDA remained open ≥ 14 days while increase risk of BPD alone could be found when the PDA remained moderate-to-large for up to 27 days. The authors conclude that a well-designed RCT to study PDA treatment would compare groups exposed to a moderate-to-large shunt for <7 days vs. >14 days.

[Two-year neurodevelopmental outcomes after mild hypoxic ischemic encephalopathy in the era of therapeutic hypothermia](#)

Finder M, Boylan GB, Twomey D, et al. *JAMA Pediatr.*

Pooled analysis of 4 prospective HIE studies included 471 infants followed for at least 2 years. Cognitive, language, and motor development were assessed at 18-42 months using BSITD-III. Compared to 185 healthy controls, the 55 mild HIE babies had lower cognitive scores while there were no statistically significant differences in language or motor skills; and findings were unchanged when analysis was limited to the 47 mild HIE patients who were not cooled. They also report similar cognitive scores between cooled moderate HIE patients and mild HIE patients (85% not cooled). The authors conclude that mild HIE is associated with impaired cognitive outcomes compared to healthy peers, and mild HIE patients have similar cognitive outcomes when compared to moderate HIE patients who receive therapeutic hypothermia.

[A randomized trial of erythropoietin for neuroprotection in preterm infants](#)

Juul SE, Comstock BA, Wadhawan R, et al. *N Engl J Med.*

High-dose erythropoietin has been shown to have a neuroprotective effect in preclinical models of neonatal brain injury, however, the benefits and safety of this therapy in extremely preterm infants have not been established. In this multicenter, randomized, double-blind trial of high-dose erythropoietin, infants born at 24 weeks 0 days to 27 weeks 6 days of gestation received erythropoietin (376 infants) or placebo (365 infants) within 24 hours after birth through 32 weeks postmenstrual age. High-dose erythropoietin treatment administered to extremely preterm infants from 24 hours after birth through 32 weeks of postmenstrual age did not result in a lower risk of severe neurodevelopmental impairment or death at 2 years of age.

Pediatrics

Distinct populations of sudden unexpected infant death based on age

<https://www.ncbi.nlm.nih.gov/pubmed/31818863>

Car seat tolerance screening for late-preterm infants

<https://www.ncbi.nlm.nih.gov/pubmed/31862732>

Burnout in pediatric residents: Three years of national survey data

<https://www.ncbi.nlm.nih.gov/pubmed/31843859>

A call to action: Screening fathers for perinatal depression

<https://www.ncbi.nlm.nih.gov/pubmed/31879278>

Case report: Death associated with nadolol for infantile hemangioma: A case for improving safety

<https://www.ncbi.nlm.nih.gov/pubmed/31852735>

Case report: Hypertension and neuroimaging changes after bevacizumab for retinopathy of prematurity

<https://www.ncbi.nlm.nih.gov/pubmed/31806670>

2019 American Heart Association focused update on neonatal resuscitation: An update to the American Heart Association guidelines for cardiopulmonary resuscitation and emergency cardiovascular care

<https://www.ncbi.nlm.nih.gov/pubmed/31727863>

Journal of Pediatrics

Clinical and molecular disease spectrum and outcomes in patients with infantile-onset Pompe disease

<https://www.ncbi.nlm.nih.gov/pubmed/31606152>

Parent perspectives on family-based psychosocial interventions for congenital heart disease

<https://www.ncbi.nlm.nih.gov/pubmed/31735417>

Outcomes for ectopia cordis

<https://www.ncbi.nlm.nih.gov/pubmed/31668886>

Effects of patent ductus arteriosus on organ blood flow in infants born very preterm: a prospective study with serial echocardiography

<https://www.ncbi.nlm.nih.gov/pubmed/31610928>

Improved referral of very low birthweight infants to high-risk infant follow-up in California

<https://www.ncbi.nlm.nih.gov/pubmed/31587859>

Predictors and outcomes of early intubation in infants born at 28-36 weeks of gestation receiving noninvasive respiratory support

<https://www.ncbi.nlm.nih.gov/pubmed/31610936>

Longitudinal analysis of pulmonary function in survivors of congenital diaphragmatic hernia

<https://www.ncbi.nlm.nih.gov/pubmed/31704056>

Newborn screening for vitamin b12 deficiency in Germany—strategies, results, and public health implications

<https://www.ncbi.nlm.nih.gov/pubmed/31604629>

Editorial: can newborn screening for vitamin b12 deficiency be incorporated into all newborn screening programs?

[https://www.jpeds.com/article/S0022-3476\(19\)31124-2/pdf](https://www.jpeds.com/article/S0022-3476(19)31124-2/pdf)

Newborn screening for mucopolysaccharidoses: results of a pilot study with 100 000 dried blood spots

<https://www.ncbi.nlm.nih.gov/pubmed/31732130>

Editors perspective: mucopolysaccharidoses newborn testing

[https://www.jpeds.com/article/S0022-3476\(19\)31496-9/pdf](https://www.jpeds.com/article/S0022-3476(19)31496-9/pdf)

Pediatric Research

Experimental models assessing bilirubin neurotoxicity

<https://www.ncbi.nlm.nih.gov/pubmed/31493769>

Repetitive noxious stimuli during early development affect acute and long-term mechanical sensitivity in rats

<https://www.ncbi.nlm.nih.gov/pubmed/31086289>

Impact of Holder pasteurization on immunological properties of human breast milk over the first year of lactation

<https://www.ncbi.nlm.nih.gov/pubmed/31288249>

Basal ganglia and thalamic tract connectivity in very preterm and full-term children; associations with 7-year neurodevelopment

<https://www.ncbi.nlm.nih.gov/pubmed/31486778>

How does gestational age affect growth and body composition of preterm twins?

<https://www.ncbi.nlm.nih.gov/pubmed/31401647>

Cardiorespiratory behavior of preterm infants receiving continuous positive airway pressure and high flow nasal cannula post extubation: randomized crossover study

<https://www.ncbi.nlm.nih.gov/pubmed/31277077>

Blood pressure extremes and severe IVH in preterm infants

<https://www.ncbi.nlm.nih.gov/pubmed/31578033>

Oxidative stress markers in neonatal respiratory distress syndrome: advanced oxidation protein products and 8-hydroxy-2-deoxyguanosine in relation to disease severity

<https://www.ncbi.nlm.nih.gov/pubmed/31216566>

Dual-specificity phosphatase (DUSP) genetic variants predict pulmonary hypertension in patients with bronchopulmonary dysplasia

<https://www.ncbi.nlm.nih.gov/pubmed/31330530>

NeoDoppler: New ultrasound technology for continuous cerebral circulation monitoring in neonates

<https://www.ncbi.nlm.nih.gov/pubmed/31404920>

Quality assessment and response to less invasive surfactant administration (LISA) without sedation

<https://www.ncbi.nlm.nih.gov/pubmed/31450233>

A pilot randomised clinical trial of 670 nm red light for reducing retinopathy of prematurity

<https://www.ncbi.nlm.nih.gov/pubmed/31430763>

Dilated hypertrophy: a distinct pattern of cardiac remodeling in preterm infants

<https://www.ncbi.nlm.nih.gov/pubmed/31493773>

Perceived maternal information on premature infant's pain during hospitalization: the French EPIPAGE-2 national cohort study

<https://www.ncbi.nlm.nih.gov/pubmed/31086294>

Family reflections: pain in premature infants

<https://www.ncbi.nlm.nih.gov/pubmed/31694046>

Journal of Perinatology

Parents of babies who participated in an invasive clinical study report a positive experience: the Glucose in Well Babies (GLOW) study

<https://www.ncbi.nlm.nih.gov/pubmed/31666312>

School-age outcomes of children without cerebral palsy cooled for neonatal hypoxic–ischaemic encephalopathy in 2008–2010

<https://www.ncbi.nlm.nih.gov/pubmed/31036702>

Postpartum use of oxytocin and volume of placental transfusion: a randomised controlled trial

<https://www.ncbi.nlm.nih.gov/pubmed/31072967>

Physiologically based cord clamping improves cardiopulmonary haemodynamics in lambs with a diaphragmatic hernia (PDF)

<https://fn.bmj.com/content/fetalneonatal/105/1/18.full.pdf>

Effect of spontaneous breathing on umbilical venous blood flow and placental transfusion during delayed cord clamping in preterm lambs (PDF)

<https://fn.bmj.com/content/fetalneonatal/105/1/26.full.pdf>

Outcomes of outborn extremely preterm neonates admitted to a NICU with respiratory distress

<https://www.ncbi.nlm.nih.gov/pubmed/31079068>

Impact of a mobile application for heart rate assessment in simulated neonatal resuscitation: a randomised controlled cross-over study

<https://www.ncbi.nlm.nih.gov/pubmed/31101662>

Incorporating dextrose gel and feeding in the treatment of neonatal hypoglycaemia

<https://www.ncbi.nlm.nih.gov/pubmed/31079067>

The influence of maternal ethnicity on neonatal respiratory outcome

<https://www.ncbi.nlm.nih.gov/pubmed/31123055>

Ethnic and socioeconomic variation in cause-specific preterm infant mortality by gestational age at birth: national cohort study (PDF)

<https://fn.bmj.com/content/fetalneonatal/105/1/56.full.pdf>

Outcomes related to 10-min Apgar scores of zero in Japan

<https://www.ncbi.nlm.nih.gov/pubmed/31092676>

Inconsistent outcome reporting in large neonatal trials: a systematic review

<https://www.ncbi.nlm.nih.gov/pubmed/31085676>

Measurement of gut oxygenation in the neonatal population using near-infrared spectroscopy: a clinical tool?

<https://www.ncbi.nlm.nih.gov/pubmed/31154420>

Physiological effects of high-flow nasal cannula therapy in preterm infants (PDF)

<https://fn.bmj.com/content/fetalneonatal/105/1/87.full.pdf>

Comparison of conventional and videolaryngoscopy blades in neonates

<https://www.ncbi.nlm.nih.gov/pubmed/30606750>

Serious games, a game changer in teaching neonatal resuscitation? A review (PDF)

<https://fn.bmj.com/content/fetalneonatal/105/1/98.full.pdf>

Journal of Perinatology

Development of postpartum depression interventions for mothers of premature infants: a call to target low-SES NICU families

<https://www.ncbi.nlm.nih.gov/pubmed/31439918>

A review of maternal prenatal exposures to environmental chemicals and psychosocial stressors-implications for research on perinatal outcomes in the ECHO program

<https://www.ncbi.nlm.nih.gov/pubmed/31616048>

Antenatal corticosteroid administration is associated with decreased growth of the fetal thymus: a prospective cohort study

<https://www.ncbi.nlm.nih.gov/pubmed/31748655>

Respiratory outcomes of late preterm infants of mothers with early and late onset preeclampsia

<https://www.ncbi.nlm.nih.gov/pubmed/31551479>

Change in neonatal resuscitation guidelines and trends in incidence of meconium aspiration syndrome in California

<https://www.ncbi.nlm.nih.gov/pubmed/31611615>

Marked variability in intrapartum electronic fetal heart rate patterns: association with neonatal morbidity and abnormal arterial cord gas

<https://www.ncbi.nlm.nih.gov/pubmed/31578422>

Antenatal and intrapartum risk factors for neonatal hypoxic ischemic encephalopathy

<https://www.ncbi.nlm.nih.gov/pubmed/31611618>

Antimicrobial therapy utilization in neonates with hypoxic-ischemic encephalopathy (HIE): a report from the Children's Hospital Neonatal Database (CHND)

<https://www.ncbi.nlm.nih.gov/pubmed/31611619>

Opioid and benzodiazepine use during therapeutic hypothermia in encephalopathic neonates

<https://www.ncbi.nlm.nih.gov/pubmed/31616049>

Evaluation of clinically asymptomatic high risk infants with congenital cytomegalovirus infection

<https://www.ncbi.nlm.nih.gov/pubmed/31575999>

Vancomycin drug monitoring in infants with CoNS sepsis-target attainment, microbiological response and nephrotoxicity

<https://www.ncbi.nlm.nih.gov/pubmed/31576000>

Outcomes of neonates with listeriosis supported with extracorporeal membrane oxygenation from 1991 to 2017

<https://www.ncbi.nlm.nih.gov/pubmed/31636340>

Renal outcomes of neonates with early presentation of posterior urethral valves: a 10-year single center experience

<https://www.ncbi.nlm.nih.gov/pubmed/31471579>

Early versus delayed extubation in extremely preterm neonates: a retrospective cohort study

<https://www.ncbi.nlm.nih.gov/pubmed/31534183>

Neonatal ibuprofen exposure and bronchopulmonary dysplasia in extremely premature infants

<https://www.nature.com/articles/s41372-019-0444-4>

Hospitalization costs associated with bronchopulmonary dysplasia in the first year of life

<https://www.ncbi.nlm.nih.gov/pubmed/31700090>

Factors associated with development of early and late pulmonary hypertension in preterm infants with bronchopulmonary dysplasia

<https://www.ncbi.nlm.nih.gov/pubmed/31723236>

Utility of echocardiography in predicting mortality in infants with severe bronchopulmonary dysplasia

<https://www.ncbi.nlm.nih.gov/pubmed/31570799>

Postmenstrual age at discharge in premature infants with and without ventilatory pattern instability

<https://www.ncbi.nlm.nih.gov/pubmed/31611617>

Oxygen saturation histogram monitoring to reduce death or retinopathy of prematurity: a quality improvement initiative

<https://www.ncbi.nlm.nih.gov/pubmed/31506527>

American Journal of Perinatology

17-OHPC to prevent recurrent preterm birth in singleton gestations (prolong study): a multicenter, international, randomized double-blind trial

<https://www.thieme-connect.com/products/ejournals/pdf/10.1055/s-0039-3400227.pdf>

Neonatal functional and structural connectivity are associated with cerebral palsy at two years of age

<https://www.ncbi.nlm.nih.gov/pubmed/30919395>

Cytomegalovirus infection among infants in neonatal intensive care units, California, 2005 to 2016

<https://www.ncbi.nlm.nih.gov/pubmed/30895580>

Delayed cord clamping and umbilical cord milking among infants in California neonatal intensive care units

<https://www.ncbi.nlm.nih.gov/pubmed/30900218>

Oxygen saturation and perfusion index-based enhanced critical congenital heart disease screening

<https://www.ncbi.nlm.nih.gov/pubmed/31003242>

Disparities in health care-associated infections in the NICU

<https://www.ncbi.nlm.nih.gov/pubmed/31039596>

Impact of the 2014 American Academy of Pediatrics immunoprophylaxis policy on the rate, severity, and cost of respiratory syncytial virus hospitalizations among preterm infants

<https://www.ncbi.nlm.nih.gov/pubmed/31430818>

Antenatal periviability counseling and decision making: a retrospective examination by the investigating neonatal decisions for extremely early deliveries study group

<https://www.ncbi.nlm.nih.gov/pubmed/31437859>

Two-year outcomes of infants with stage 2 or higher retinopathy of prematurity: results from a large multicenter registry

<https://www.ncbi.nlm.nih.gov/pubmed/31480086>

Tidal volumes and outcome of extubation in mechanically ventilated premature infants

<https://www.ncbi.nlm.nih.gov/pubmed/31491798>

Delayed umbilical cord clamping is not associated with acute kidney injury in very low birth weight neonates

<https://www.ncbi.nlm.nih.gov/pubmed/31606889>

Relationship between duration of infant exposure to a moderate-to-large patent ductus arteriosus shunt and the risk of developing bronchopulmonary dysplasia or death before 36 weeks

<https://www.ncbi.nlm.nih.gov/pubmed/31600791>

Nurses' finnegan scoring of newborns with neonatal abstinence syndrome not affected by time or day of the week

<https://www.ncbi.nlm.nih.gov/pubmed/31600793>

Acute kidney injury is associated with poor lung outcomes in infants born ≥ 32 weeks of gestational age

<https://www.ncbi.nlm.nih.gov/pubmed/31739364>

Neoreviews

Educational perspectives: Anesthesia 101: What the neonatologist needs to know about anesthesiology

<https://neoreviews.aappublications.org/content/21/1/e1>

Glucose homeostasis in newborns: An endocrinology perspective

<https://neoreviews.aappublications.org/content/21/1/e14>

Thyroid function during the fetal and neonatal periods

<https://neoreviews.aappublications.org/content/21/1/e30>

The laboratory features of congenital hypothyroidism and approach to therapy

<https://neoreviews.aappublications.org/content/21/1/e37>

Case 1: Persistent hypoglycemia in a 46,XX newborn with ovarian dysgenesis

<https://neoreviews.aappublications.org/content/21/1/e45>

Case 2: Newborn with hemorrhagic skin reaction

<https://neoreviews.aappublications.org/content/21/1/e49>

Case 3: Poor weight gain and severe dehydration in a 3-month-old Infant

<https://neoreviews.aappublications.org/content/21/1/e52>

Strip of the month: Decreased fetal movement and abnormal fetal heart rate monitoring

<https://neoreviews.aappublications.org/content/21/1/e55>

Complex fetal care cases: Fetoscopic myelomeningocele repair

<https://neoreviews.aappublications.org/content/21/1/e66>

An unexpected cranial ultrasound image

<https://neoreviews.aappublications.org/content/21/1/e63>

JAMA Pediatrics

Moving beyond using the term poor prognosis in children with severe neurological impairment a linguistic shortcut better avoided

<https://www.ncbi.nlm.nih.gov/pubmed/31764955>

Two-year neurodevelopmental outcomes after mild hypoxic ischemic encephalopathy in the era of therapeutic hypothermia

<https://www.ncbi.nlm.nih.gov/pubmed/31710357>

BMC Pediatrics

Cost effectiveness of a novel device for improving resuscitation of apneic newborns (PDF)

<https://bmcpediatr.biomedcentral.com/track/pdf/10.1186/s12887-020-1925-5>

Lactoferrin infant feeding trial Canada (LIFT-Canada): protocol for a randomized trial of adding lactoferrin to feeds of very-low-birth-weight preterm infants (PDF)

<https://bmcpediatr.biomedcentral.com/track/pdf/10.1186/s12887-020-1938-0>

A comparative study of mothers of infants hospitalized in an open ward neonatal intensive care unit and a combined pod and single-family room design (PDF)

<https://bmcpediatr.biomedcentral.com/track/pdf/10.1186/s12887-020-1929-1>

Investigating and managing neonatal seizures in the UK: an explanatory sequential mixed methods approach (PDF)

<https://bmcpediatr.biomedcentral.com/track/pdf/10.1186/s12887-020-1918-4>

Neonatal survival and determinants of mortality in Aroresa district, Southern Ethiopia: a prospective cohort study (PDF)

<https://bmcpediatr.biomedcentral.com/track/pdf/10.1186/s12887-019-1907-7>

Validation and human factor analysis study of an infant weight estimation device (PDF)

<https://bmcpediatr.biomedcentral.com/track/pdf/10.1186/s12887-020-1933-5>

Infant care practices and parent uptake of safe sleep messages: a cross-sectional survey in Queensland, Australia (PDF)

<https://bmcpediatr.biomedcentral.com/track/pdf/10.1186/s12887-020-1917-5>

Correlating maternal iodine status with neonatal thyroid function in two hospital populations in Ghana: a multicenter cross-sectional pilot study (PDF)

<https://bmcpediatr.biomedcentral.com/track/pdf/10.1186/s12887-020-1932-6>

Cleidocranial dysplasia with growth hormone deficiency: a case report (PDF)

<https://bmcpediatr.biomedcentral.com/track/pdf/10.1186/s12887-020-1914-8>

What should we consider in the case of combined Down- and 47,XY,+i(X)(q10) Klinefelter syndromes?

The unique case of a male newborn and review of the literature (PDF)

<https://bmcpediatr.biomedcentral.com/track/pdf/10.1186/s12887-019-1905-9>

Determinants of adverse birth outcome in Tigray region, North Ethiopia: Hospital-based case-control study (PDF)

<https://bmcpediatr.biomedcentral.com/track/pdf/10.1186/s12887-019-1835-6>

Intensity of perinatal care for extremely preterm babies and outcomes at a higher gestational age: evidence from the EPIPAGE-2 cohort study (PDF)

<https://bmcpediatr.biomedcentral.com/track/pdf/10.1186/s12887-019-1856-1>

Prevalence of positional skull deformities in 530 premature infants with a corrected age of up to 6 months: a multicenter study (PDF)

<https://bmcpediatr.biomedcentral.com/track/pdf/10.1186/s12887-019-1864-1>

Predicting the serum digoxin concentrations of infants in the neonatal intensive care unit through an artificial neural network (PDF)

<https://bmcpediatr.biomedcentral.com/track/pdf/10.1186/s12887-019-1895-7>

Neonatal near-misses in Ghana: a prospective, observational, multi-center study (PDF)

<https://bmcpediatr.biomedcentral.com/track/pdf/10.1186/s12887-019-1883-y>

Pediatric Critical Care Medicine

Effect of Endotracheal Tube Size, Respiratory System Mechanics, and Ventilator Settings on Driving Pressure

<https://www.ncbi.nlm.nih.gov/pubmed/31688716>

New England Journal of Medicine

A randomized trial of erythropoietin for neuroprotection in preterm infants

<https://www.ncbi.nlm.nih.gov/pubmed/31940698>

Cytokines, beta-blockers, and congenital heart disease

<https://www.ncbi.nlm.nih.gov/pubmed/31940705>

Lancet

Low-dose aspirin for the prevention of preterm delivery in nulliparous women with a singleton pregnancy (ASPIRIN): a randomised, double-blind, placebo-controlled trial

<https://www.ncbi.nlm.nih.gov/pubmed/31982074>

JAMA

Trends in cesarean delivery rates in China, 2008-2018

<https://www.ncbi.nlm.nih.gov/pubmed/31910272>

Differences in central line-associated bloodstream infection rates based on the criteria used to count central line days

<https://www.ncbi.nlm.nih.gov/pubmed/31935018>

Effect of treating parents colonized with staphylococcus aureus on transmission to neonates in the intensive care unit: a randomized clinical trial

<https://www.ncbi.nlm.nih.gov/pubmed/31886828>

First-trimester pregnancy exposure to modafinil and risk of congenital malformations

<https://www.ncbi.nlm.nih.gov/pubmed/31990303>

BMJ

Planned earlier delivery for late pre-eclampsia may be better for mothers

<https://www.ncbi.nlm.nih.gov/pubmed/31941696>

Pediatric Infectious Disease Journal

Systematic review on the acute cost-of-illness of sepsis and meningitis in neonates and infants

<https://www.ncbi.nlm.nih.gov/pubmed/31738319>

Acceptability and feasibility of using raltegravir oral granules for the treatment of neonates in a low-resource setting

<https://www.ncbi.nlm.nih.gov/pubmed/31815839>

Detection of wild-type yellow fever virus in breast milk

<https://www.ncbi.nlm.nih.gov/pubmed/31725551>

Prophylactic paracetamol after meningococcal b vaccination reduces postvaccination fever and septic screens in hospitalized preterm infants

<https://www.ncbi.nlm.nih.gov/pubmed/31815841>

Obstetrics and Gynecology

Risk of stillbirth for fetuses with specific birth defects

<https://www.ncbi.nlm.nih.gov/pubmed/31809437>

Information women choose to receive about prenatal chromosomal microarray analysis

<https://www.ncbi.nlm.nih.gov/pubmed/31809435>

Maternal and neonatal morbidity after 4 and 6 hours of protracted active labor in nulliparous term pregnancies

<https://www.ncbi.nlm.nih.gov/pubmed/31809426>

Macrosomia ACOG practice bulletin, number 216

<https://www.ncbi.nlm.nih.gov/pubmed/31856124>

American Journal of Obstetrics & Gynecology

The physiology of intrapartum fetal compromise at term

<https://www.ncbi.nlm.nih.gov/pubmed/31351061>

Undetectable equals untransmittable (U = U): implications for preconception counseling for human immunodeficiency virus serodiscordant couples

<https://www.ncbi.nlm.nih.gov/pubmed/31526794>

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