

Publications Working Group

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Section on Neonatal-Perinatal Medicine

ARTICLES OF INTEREST – February 2019

Effects of feedback on chest compression quality: a randomized simulation study

Wagner M, Bibl K, Hrdliczka E, et al. *Pediatrics*.

In a randomized simulation study with 653 third year medical students as subjects, the authors compared visual and verbal feedback with instructor led feedback on the quality of pediatric CPR. The feedback devices included the Resusci Baby QCPR manikin or the Resusci Anne manikin, which have integrated sensors measuring chest compression parameters and the SimPad touchscreen with the SkillReporter software (Laerdal), a palm-sized device that provides real-time visual feedback. The authors concluded that chest compression performance significantly improved with both visual and verbal feedback compared with instructor-led feedback and recommend implementation of feedback devices for resuscitation simulation training.

Cord milking versus immediate clamping in preterm infants: a randomized controlled trial

El-Naggar W, Simpson D, Hussain A, et al. *Arch Dis Child Fetal Neonatal Ed*.

The authors sought to investigate whether umbilical cord milking (UCM) at birth improves systemic blood flow and short-term outcomes, as compared with immediate cord clamping (ICC). Primary outcome included systemic blood flow as represented by echo-derived superior vena cava (SVC) flow at 4-6 hours after birth. A total of 73 infants with a mean (SD) gestational age of 27 (2) weeks and mean (SD) birth weight of 1040 (283) g were randomized (37 to UCM and 36 to ICC). Cord milking was not shown to improve functional cardiac outcomes, neonatal morbidity or mortality.

Neurodevelopmental outcomes among extremely premature infants with linear growth restriction

Meyers JM, Tan S, Bell EF, et al. *J Perinatol*.

The authors sought to compare neurodevelopmental outcomes in linear growth-restricted (LGR) infants born <29 weeks with and without weight gain out of proportion to linear growth. Outcomes were Bayley-III cognitive, motor, and language scores, cerebral palsy, Gross Motor Function Classification System (GMFCS) level ≥ 2, and neurodevelopmental impairment. Among infants with LGR, weight gain out of proportion to linear growth was associated with poorer neurodevelopmental outcomes.

New generation fish oil and olive oil lipid on prevention of oxidative damage in preterm infants

Ozkan H, Köksal N, Dorum BA, et al. *Pediatr Int*.

Given that lipid solutions are associated with oxidative stress, the authors chose to compare the effectiveness of new generation lipid emulsion (SMOFLipid) and olive-oil based lipid emulsion (Clionoleic) for prevention of oxidative damage. In 89 < 32 wk infants, total antioxidant capacity was

higher in SMOFlipid group compared to Clinoleic group. BPD was also lower in the SMOFlipid group (14.1%) compared to Clinoleic group (31.2%). This study illustrates SMOFlipid may decrease oxidative damage and oxidative-stress associated morbidities compared with olive oil based emulsion in preterm infants.

[Withdrawal of life-support in neonatal hypoxic-ischemic encephalopathy](#)

Natarajan G, Mathur A, Zaniletti I, et al. *Pediatr Neurol*.

The authors used the Children's Hospital Neonatal Database to identify 1925 neonates treated with therapeutic hypothermia from 2010-2015. 14% died during the hospitalization, 87.6% due to withdrawal of life support. 234 neonates who died after withdrawal of support were compared to 74 severe HIE patients who survived with tube feeding at discharge. While the use of aEEG/EEG and MRI was inconsistent, severely abnormal aEEG/EEG and global injury on MRI were more common in the withdrawal group. Multivariable analysis shows private insurance was associated with withdrawal while birth in the Midwest or Northeast compared to the South was less associated with withdrawal.

[Neurodevelopmental outcome at 5 years of age after general anesthesia or awake-regional anesthesia in infancy \(GAS\): an international, multicenter, randomized, controlled equivalence trial](#)

McCann ME, de Graaff JC, Dorris L, et al. *Lancet*.

In this multi-center study, 722 infants (born at more than 26 weeks' gestation and less than 60 weeks' postmenstrual age) were randomized to receive either awake-regional anesthesia or sevoflurane-based general anesthesia while undergoing inguinal herniorrhaphy. The median duration of general anesthesia was 54 min. The authors found that there was no significant difference in neurodevelopment outcome (as measured by the FSIQ on WPPSI-III) between the two groups at age 5 years.

[Effect of hydrocortisone therapy initiated 7 to 14 days after birth on mortality or bronchopulmonary dysplasia among very preterm infants receiving mechanical ventilation: a randomized clinical trial](#)

Onland W, Cools F, Kroon A, et al. *JAMA*.

This double-blind, placebo-controlled, multi-center trial randomized 372 infants (gestational age less than 30 weeks and/or birth weight of less than 1250g who were ventilator dependent between 7 and 14 days of life). Infants received either a 22-day course of systemic hydrocortisone or placebo. The authors found that among mechanically ventilated very preterm infants, administration of hydrocortisone between 7 and 14 days after birth, compared with placebo, did not improve the composite outcome of death or BPD at 36 weeks' postmenstrual age.

[PDA-tolerate trial: an exploratory randomized controlled trial of treatment of moderate-to-large patent ductus arteriosus at 1 week of age](#)

Clyman RI, Liebowitz M, Kaempf J, et al. *J Pediatr*.

An exploratory randomized controlled trial was conducted in which preterm infants <28 weeks of age with moderate to large PDAs and receiving respiratory support after the first week of life were included. Early routine treatment of PDA was not found to significantly reduce PDA ligations or the presence of a PDA at discharge compared to the conservative approach of treating PDA only if clinically indicated. It also did not improve any of the pre-specified secondary outcomes such as NEC, BPD, BPD/Death.

[Predictors of respiratory improvement 1 week after ligation of patent ductus arteriosus in preterm infants](#)

Hsu KH, Wong P, Ram Kumar S, et al. *J Pediatr*.

Authors performed a 2-phase study of preterm infants <1500 gms, which included retrospective analysis followed by a case – control study comparing a ligation group with infants matched by gestational age,

postnatal age and pre-ligation respiratory condition. Among infants undergoing PDA ligation, those on HFV were more likely to have respiratory improvement in the first week, possibly because of the prevention of further respiratory deterioration. For infants on conventional ventilation, ligation was associated with higher respiratory support in the immediate postligation period without respiratory benefits at 7 days.

OTHER NOTEWORTHY PUBLICATIONS – February, 2019

Pediatrics

Newborn risk factors for subsequent physical abuse hospitalizations

<https://www.ncbi.nlm.nih.gov/pubmed/30683813>

Newborn screening for severe combined immunodeficiency and t-cell lymphopenia in California, 2010-2017

<https://www.ncbi.nlm.nih.gov/pubmed/30683812>

Patterns of prenatal alcohol use that predict infant growth and development

<https://www.ncbi.nlm.nih.gov/pubmed/30610099>

Continuous versus intermittent vancomycin infusions in infants: a randomized controlled trial

<https://www.ncbi.nlm.nih.gov/pubmed/30700564>

Effects of feedback on chest compression quality: a randomized simulation study

<https://www.ncbi.nlm.nih.gov/pubmed/30700565>

Survival and impairment of extremely premature infants: a meta-analysis

<https://www.ncbi.nlm.nih.gov/pubmed/30705140>

Addressing racial inequities in breastfeeding in the southern United States

<https://www.ncbi.nlm.nih.gov/pubmed/30659064>

Journal of Pediatrics

Umbilical cord tissue vs meconium for neonatal toxicology testing (PDF)

[https://www.jpeds.com/article/S0022-3476\(18\)31737-2/pdf](https://www.jpeds.com/article/S0022-3476(18)31737-2/pdf)

Hepatitis b virus infection and the progress toward its elimination

<https://www.ncbi.nlm.nih.gov/pubmed/30244984>

Sildenafil use in children with pulmonary hypertension

<https://www.ncbi.nlm.nih.gov/pubmed/30396684>

PDA-tolerate trial: an exploratory randomized controlled trial of treatment of moderate-to-large patent ductus arteriosus at 1 week of age

<https://www.ncbi.nlm.nih.gov/pubmed/30340932>

Predictors of respiratory improvement 1 week after ligation of patent ductus arteriosus in preterm infants

<https://www.ncbi.nlm.nih.gov/pubmed/30348438>

Obesity is associated with higher blood pressure and higher levels of angiotensin ii but lower angiotensin-(1-7) in adolescents born preterm

<https://www.ncbi.nlm.nih.gov/pubmed/30404738>

Variability of tidal breathing parameters in preterm infants and associations with respiratory morbidity during infancy: a cohort study

<https://www.ncbi.nlm.nih.gov/pubmed/30416016>

The impact of time interval between extubation and reintubation on death or bronchopulmonary dysplasia in extremely preterm infants

<https://www.ncbi.nlm.nih.gov/pubmed/30404739>

Optimal timing of repeat newborn screening for congenital hypothyroidism in preterm infants to detect delayed thyroid-stimulating hormone elevation

<https://www.ncbi.nlm.nih.gov/pubmed/30529133>

50 years ago in the journal of pediatrics: maternal and congenital rubella before 1964: frequency, clinical features, and search for isoimmune phenomena (PDF)

[https://www.jpeds.com/article/S0022-3476\(18\)31219-8/pdf](https://www.jpeds.com/article/S0022-3476(18)31219-8/pdf)

Plasma mir-1290 is a novel and specific biomarker for early diagnosis of necrotizing enterocolitis—biomarker discovery with prospective cohort evaluation

<https://www.ncbi.nlm.nih.gov/pubmed/30529132>

Sustained neonatal inflammation is associated with poor growth in infants born very preterm during the first year of life

<https://www.ncbi.nlm.nih.gov/pubmed/30340934>

Parent perspectives on readiness for discharge home after neonatal intensive care unit admission

<https://www.ncbi.nlm.nih.gov/pubmed/30291021>

Screening and serial neutrophil counts do not contribute to the recognition or diagnosis of late-onset neonatal sepsis

<https://www.ncbi.nlm.nih.gov/pubmed/30318373>

Taiwan national newborn screening program by tandem mass spectrometry for mucopolysaccharidoses types i, ii, and vi

<https://www.ncbi.nlm.nih.gov/pubmed/30409495>

Influence of fathers' early parenting on the development of children born very preterm and full term

<https://www.ncbi.nlm.nih.gov/pubmed/30448013>

Predicting successful neonatal retro-transfer to a lower level of care

<https://www.ncbi.nlm.nih.gov/pubmed/30291023>

Umbilical cord tissue and meconium may not be equivalent for confirming in utero substance exposure

<https://www.ncbi.nlm.nih.gov/pubmed/30342870>

Pediatric Research

Early-life growth of preterm infants and its impact on neurodevelopment

<https://www.ncbi.nlm.nih.gov/pubmed/30140070>

Ventricular shape evaluation on early ultrasound predicts post-hemorrhagic hydrocephalus

<https://www.ncbi.nlm.nih.gov/pubmed/30631137>

Plasma cholesterol levels and brain development in preterm newborns

<https://www.ncbi.nlm.nih.gov/pubmed/30635642>

Surfactant status and respiratory outcome in premature infants receiving late surfactant treatment (PDF)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6377352/pdf/nihms-1503038.pdf>

Oscillatory respiratory mechanics on the first day of life improves prediction of respiratory outcomes in extremely preterm newborns

<https://www.ncbi.nlm.nih.gov/pubmed/30127523>

Neonatal intermittent hypoxemia events are associated with diagnosis of bronchopulmonary dysplasia at 36 weeks postmenstrual age

<https://www.ncbi.nlm.nih.gov/pubmed/30538265>

Optimizing the AKI definition during first postnatal week using Assessment of Worldwide Acute Kidney Injury Epidemiology in Neonates (AWAKEN) cohort

<https://www.ncbi.nlm.nih.gov/pubmed/30643188>

Late onset neonatal acute kidney injury: results from the AWAKEN Study

<https://www.ncbi.nlm.nih.gov/pubmed/30546043>

Differentiation of esophageal pH-impedance characteristics classified by the mucosal integrity marker in human neonates

<https://www.ncbi.nlm.nih.gov/pubmed/30467343>

Enteric dysbiosis and fecal calprotectin expression in premature infants

<https://www.ncbi.nlm.nih.gov/pubmed/30631136>

Maternal obesity and gestational diabetes mellitus affect body composition through infancy: the PONCH study

<https://www.ncbi.nlm.nih.gov/pubmed/30705398>

Susceptibility to congenital heart defects associated with a polymorphism in TBX2 3' untranslated region in the Han Chinese population

<https://www.ncbi.nlm.nih.gov/pubmed/30262811>

TNF α -stimulated protein 6 (TSG-6) reduces lung inflammation in an experimental model of bronchopulmonary dysplasia

<https://www.ncbi.nlm.nih.gov/pubmed/30538263>

Immature megalin expression in the preterm neonatal kidney is associated with urinary loss of vitamin carrier proteins

<https://www.ncbi.nlm.nih.gov/pubmed/30659269>

Neonatologist Performed Echocardiography (NPE) Special Edition

Education, training, and accreditation of neonatologist performed echocardiography in Europe-framework for practice

<https://www.ncbi.nlm.nih.gov/pubmed/30072809>

Introduction to neonatologist-performed echocardiography

<https://www.ncbi.nlm.nih.gov/pubmed/30072808>

The role of neonatologist performed echocardiography in the assessment and management of neonatal shock

<https://www.ncbi.nlm.nih.gov/pubmed/30072807>

Tissue doppler velocity imaging and event timings in neonates: a guide to image acquisition, measurement, interpretation, and reference values

<https://www.ncbi.nlm.nih.gov/pubmed/30072806>

Application of neonatologist performed echocardiography in the assessment and management of persistent pulmonary hypertension of the newborn

<https://www.ncbi.nlm.nih.gov/pubmed/30072805>

Deformation imaging and rotational mechanics in neonates: a guide to image acquisition, measurement, interpretation, and reference values

<https://www.ncbi.nlm.nih.gov/pubmed/30072804>

Application of NPE in the assessment of a patent ductus arteriosus

<https://www.ncbi.nlm.nih.gov/pubmed/30072803>

Application of neonatologist performed echocardiography in the assessment and management of neonatal heart failure unrelated to congenital heart disease

<https://www.ncbi.nlm.nih.gov/pubmed/30072802>

Role of neonatologist-performed echocardiography in the assessment and management of patent ductus arteriosus physiology in the newborn

<https://www.ncbi.nlm.nih.gov/pubmed/29551482>

Archives of Disease in Childhood - Fetal & Neonatal Edition

T-piece resuscitators: a warning sign

<https://www.ncbi.nlm.nih.gov/pubmed/29954882>

Family integrated care: what's all the fuss about?

<https://www.ncbi.nlm.nih.gov/pubmed/29980589>

How should we chart the growth of very preterm babies?

<https://www.ncbi.nlm.nih.gov/pubmed/30068670>

T-piece resuscitators: how do they compare?

<https://www.ncbi.nlm.nih.gov/pubmed/29728414>

Human milk as a protective factor for bronchopulmonary dysplasia: a systematic review and meta-analysis

<https://www.ncbi.nlm.nih.gov/pubmed/29907614>

Efficacy and safety of pulmonary application of corticosteroids in preterm infants with respiratory distress syndrome: a systematic review and meta-analysis

<https://www.ncbi.nlm.nih.gov/pubmed/29666203>

Cord milking versus immediate clamping in preterm infants: a randomised controlled trial

<https://www.ncbi.nlm.nih.gov/pubmed/29903720>

Breastfeeding outcomes in European NICUs: impact of parental visiting policies

<https://www.ncbi.nlm.nih.gov/pubmed/29954880>

Dose-interval study of a dual probiotic in preterm infants

<https://www.ncbi.nlm.nih.gov/pubmed/29925539>

Accuracy of five formulae to determine the insertion length of umbilical venous catheters

<https://www.ncbi.nlm.nih.gov/pubmed/29550770>

Safety of meningococcal group B vaccination in hospitalised premature infants

<https://www.ncbi.nlm.nih.gov/pubmed/29636385>

Evaluation of the congenital hypothyroidism screening programme in Iran: a 3-year retrospective cohort study

<https://www.ncbi.nlm.nih.gov/pubmed/29540462>

Estimating neonatal length of stay for babies born very preterm

<https://www.ncbi.nlm.nih.gov/pubmed/29588296>

Detection of exhaled carbon dioxide following intubation during resuscitation at delivery

<https://www.ncbi.nlm.nih.gov/pubmed/29550769>

Adverse effects of small for gestational age differ by gestational week among very preterm infants

<https://www.ncbi.nlm.nih.gov/pubmed/29730594>

Nutritional role of amniotic fluid: clues from infants with congenital obstruction of the digestive tract

<https://www.ncbi.nlm.nih.gov/pubmed/29666202>

Learning from claims: hyperbilirubinaemia and kernicterus

<https://www.ncbi.nlm.nih.gov/pubmed/29802103>

Safe and effective glycaemic control in premature infants: observational clinical results from the computerised STAR-GRYPHON protocol

<https://www.ncbi.nlm.nih.gov/pubmed/29930148>

Does the use of an iodine-containing contrast agent to visualise the PICC tip in preterm babies cause hypothyroidism? A randomised controlled trial

<https://www.ncbi.nlm.nih.gov/pubmed/29807945>

Pulseless electrical activity: a misdiagnosed entity during asphyxia in newborn infants?

<https://www.ncbi.nlm.nih.gov/pubmed/29895572>

Time interval for preterm infant weight gain velocity calculation precision

<https://www.ncbi.nlm.nih.gov/pubmed/29997166>

Postnatal cardiovascular adaptation

<https://www.ncbi.nlm.nih.gov/pubmed/30049726>

Caput medusa in a newborn infant

<https://www.ncbi.nlm.nih.gov/pubmed/30097521>

Meconial hydrocele as first sign of acute intestinal perforation in a preterm baby

<https://www.ncbi.nlm.nih.gov/pubmed/30269084>

Neonatal cutaneous lupus erythematosus

<https://www.ncbi.nlm.nih.gov/pubmed/30580253>

Journal of Perinatology

“STEP”, an early developmental screening tool that predicts one-year outcomes

<https://www.ncbi.nlm.nih.gov/pubmed/30546059>

NICU infant health severity and family outcomes: a systematic review of assessments and findings in psychosocial research

<https://www.ncbi.nlm.nih.gov/pubmed/30514968>

Supraglottic airway devices for surfactant treatment: systematic review and meta-analysis

<https://www.ncbi.nlm.nih.gov/pubmed/30518796>

Early developmental assessment with a short screening test, the STEP, predicts one-year outcomes

<https://www.ncbi.nlm.nih.gov/pubmed/30301940>

Neurodevelopmental outcomes among extremely premature infants with linear growth restriction

<https://www.ncbi.nlm.nih.gov/pubmed/30353080>

Early inspired oxygen and intermittent hypoxic events in extremely premature infants are associated with asthma medication use at 2 years of age

<https://www.ncbi.nlm.nih.gov/pubmed/30367103>

Diagnostic challenge of the newborn patients with heritable protein C deficiency

<https://www.ncbi.nlm.nih.gov/pubmed/30353081>

Planned home deliveries in Finland, 1996–2013

<https://www.ncbi.nlm.nih.gov/pubmed/30425338>

Lowest PaCO₂ on the first day of life predicts mortality and morbidity among infants with congenital diaphragmatic hernia

<https://www.ncbi.nlm.nih.gov/pubmed/30425337>

Neurocognitive function of 10-year-old multiples born less than 28 weeks of gestational age

<https://www.ncbi.nlm.nih.gov/pubmed/30464222>

Agreement of an echocardiogram-based diagnosis of pulmonary hypertension in infants at risk for bronchopulmonary dysplasia among masked reviewers

<https://www.ncbi.nlm.nih.gov/pubmed/30464221>

Survey of preterm neuro-centric care practices in California neonatal intensive care units

<https://www.ncbi.nlm.nih.gov/pubmed/30518797>

Bronchoscopy in neonates with severe bronchopulmonary dysplasia in the NICU

<https://www.ncbi.nlm.nih.gov/pubmed/30518799>

A population-based study of cystic white matter injury on ultrasound in very preterm infants born over two decades in Nova Scotia, Canada

<https://www.ncbi.nlm.nih.gov/pubmed/30552376>

The complexity of physicians' understanding and management of prognostic uncertainty in neonatal hypoxic-ischemic encephalopathy

<https://www.ncbi.nlm.nih.gov/pubmed/30568164>

Risk of preterm and early term birth by maternal drug use

<https://www.ncbi.nlm.nih.gov/pubmed/30573752>

Drivers of referrals to a children's hospital neonatal–infant intensive care unit

<https://www.ncbi.nlm.nih.gov/pubmed/30573751>

Preconception insurance and initiation of prenatal care

<https://www.ncbi.nlm.nih.gov/pubmed/30546058>

The impact of parental primary language on communication in the neonatal intensive care unit

<https://www.ncbi.nlm.nih.gov/pubmed/30531932>

Second trimester inflammatory and metabolic markers in women delivering preterm with and without preeclampsia

<https://www.ncbi.nlm.nih.gov/pubmed/30518800>

Histological chorioamnionitis and developmental outcomes in very preterm infants

<https://www.ncbi.nlm.nih.gov/pubmed/30518803>

While waiting for a vaccine: opportunities for optimization of neonatal group B streptococcal (GBS) disease prevention in Israel

<https://www.ncbi.nlm.nih.gov/pubmed/30538325>

Can nasal continuous positive airway pressure be used as primary respiratory support for infants with meconium aspiration syndrome?

<https://www.ncbi.nlm.nih.gov/pubmed/30341405>

Neonatology

Pulseless electrical activity complicating neonatal resuscitation

<https://www.ncbi.nlm.nih.gov/pubmed/30352434>

Accelerated small-world property of structural brain networks in preterm infants at term-equivalent age

<https://www.ncbi.nlm.nih.gov/pubmed/30384384>

Prescription drug shortages: impact on neonatal intensive care

<https://www.ncbi.nlm.nih.gov/pubmed/30384374>

Neonatal glycaemia and neurodevelopmental outcomes: a systematic review and meta-analysis

<https://www.ncbi.nlm.nih.gov/pubmed/30408811>

Outcome of infants with therapeutic hypothermia after perinatal asphyxia and early-onset sepsis

<https://www.ncbi.nlm.nih.gov/pubmed/30419568>

Disulphide bridges in surfactant protein b analogues affect their activity in synthetic surfactant preparations

<https://www.ncbi.nlm.nih.gov/pubmed/30453306>

Ophthalmic insert versus eye drops for mydriasis in neonates: a randomized clinical trial

<https://www.ncbi.nlm.nih.gov/pubmed/30481790>

Platelet-neutrophil interactions are lower in cord blood of premature newborns

<https://www.ncbi.nlm.nih.gov/pubmed/30481769>

A randomized controlled trial of immediate versus delayed umbilical cord clamping in multiple-birth infants born preterm

<https://www.ncbi.nlm.nih.gov/pubmed/30481760>

The impact of late onset arterial hypotension on respiratory outcome in extremely premature infants

<https://www.ncbi.nlm.nih.gov/pubmed/30485857>

The tubular damage markers: neutrophil gelatinase-associated lipocalin and kidney injury molecule-1 in newborns with intrauterine growth restriction

<https://www.ncbi.nlm.nih.gov/pubmed/30513528>

Nasal high-flow therapy as primary respiratory support for preterm infants without the need for rescue with nasal continuous positive airway pressure

<https://www.ncbi.nlm.nih.gov/pubmed/30513521>

Early-stage translational research in perinatal medicine

<https://www.ncbi.nlm.nih.gov/pubmed/30522108>

American Journal of Perinatology

Fetal congenital pulmonary airway malformation: the role of an objective measurement of cardiomedastinal shift

<https://www.ncbi.nlm.nih.gov/pubmed/30199894>

Implementation and outcomes of universal delayed umbilical cord clamping at term journal of neonatal-perinatal medicine

<https://www.ncbi.nlm.nih.gov/pubmed/30208504>

Antibiotic use in pregnancy, abnormal fetal growth, and development of gestational diabetes mellitus

<https://www.ncbi.nlm.nih.gov/pubmed/30208503>

Side effects of phototherapy on neonates

<https://www.ncbi.nlm.nih.gov/pubmed/30081405>

Premature infants conceived with assisted reproductive technology: an analysis of infant morbidity, compared with infants conceived naturally

<https://www.ncbi.nlm.nih.gov/pubmed/30064149>

Sildenafil exposure in the neonatal intensive care unit

<https://www.ncbi.nlm.nih.gov/pubmed/30081404>

Non-nutritive sucking in the preterm infant

<https://www.ncbi.nlm.nih.gov/pubmed/30081403>

Risk factors linked to central catheter-associated thrombosis in critically ill infants in the neonatal intensive care unit

<https://www.ncbi.nlm.nih.gov/pubmed/30081400>

Implementation of updated hearing screen guidelines in a level IV NICU—a quality improvement project

<https://www.ncbi.nlm.nih.gov/pubmed/30081399>

Reference echocardiographic measurements in very low birth weight preterm infants

<https://www.ncbi.nlm.nih.gov/pubmed/30081398>

Association of fetal fraction of cell-free DNA and hypertensive disorders of pregnancy

<https://www.ncbi.nlm.nih.gov/pubmed/30081397>

Is cord blood bilirubin level a reliable predictor for developing significant hyperbilirubinemia?

<https://www.ncbi.nlm.nih.gov/pubmed/30081396>

Antenatal magnesium sulfate exposure and ponderal index in preterm infants

<https://www.ncbi.nlm.nih.gov/pubmed/30112756>

Journal of Neonatal-Perinatal Medicine

The relationship of cervical microbiota diversity with race and disparities in preterm birth

<https://www.ncbi.nlm.nih.gov/pubmed/30198877>

Maternal Health, Neonatology and Perinatology

Successful treatment of severe arterial hypotension and anuria in a preterm infant with renal tubular dysgenesis— a case report

<https://www.ncbi.nlm.nih.gov/pubmed/30598831>

Predictors of early initiation of breastfeeding among Zimbabwean women: secondary analysis of ZDHS 2015

<https://www.ncbi.nlm.nih.gov/pubmed/30675366>

Neoreviews

Historical perspectives: lessons from the Better Birth trial: a practical roadmap for complex Intervention Studies

<https://neoreviews.aappublications.org/content/20/2/e62>

Primary immunodeficiency in the NICU

<https://neoreviews.aappublications.org/content/20/2/e67>

Perinatal HIV transmission: missed opportunities and proposed solutions

<https://neoreviews.aappublications.org/content/20/2/e79>

Case 1: An infant with arm swelling and nodules

<https://neoreviews.aappublications.org/content/20/2/e86>

Case 2: Severe hyperammonemia in a neonate: an alternate ending

<https://www.ncbi.nlm.nih.gov/pubmed/30060290>

Case 3: The hypothermic newborn

<https://neoreviews.aappublications.org/content/20/2/e93>

Strip of the month: recognizing the progression to category iii tracing: late decelerations

<https://neoreviews.aappublications.org/content/20/2/e96>

Legal Briefs: tachysystole, uterine rupture, and a bad outcome

<https://neoreviews.aappublications.org/content/20/2/e110>

An Unusual Late Presentation of Swelling over the Head

<https://neoreviews.aappublications.org/content/20/2/e105>

JAMA Pediatrics

Association of long-term child growth and developmental outcomes with metformin vs insulin treatment for gestational diabetes

<https://www.ncbi.nlm.nih.gov/pubmed/30508164>

Comparison of cerebral palsy severity between 2 eras of antenatal magnesium use

<https://www.ncbi.nlm.nih.gov/pubmed/30508016>

BMC Pediatrics

Macronutrient content of pooled donor human milk before and after Holder pasteurization (PDF)

<https://link.springer.com/content/pdf/10.1186%2Fs12887-019-1427-5.pdf>

First experience with Tolvaptan for the treatment of neonates and infants with capillary leak syndrome after cardiac surgery (PDF)

<https://link.springer.com/content/pdf/10.1186%2Fs12887-019-1418-6.pdf>

Prevalence and burden of illness of treated hemolytic neonatal hyperbilirubinemia in a privately insured population in the United States (PDF)

<https://link.springer.com/content/pdf/10.1186%2Fs12887-019-1414-x.pdf>

Infant mortality in Brazil attributable to inborn errors of metabolism associated with sudden death: a time-series study (2002–2014) (PDF)

<https://link.springer.com/content/pdf/10.1186%2Fs12887-019-1421-y.pdf>

Sail sign in neonatal pneumomediastinum: a case report (PDF)

<https://link.springer.com/content/pdf/10.1186%2Fs12887-019-1397-7.pdf>

Cognitive and motor outcomes in children born low birth weight: a systematic review and meta-analysis of studies from South Asia (PDF)

<https://link.springer.com/content/pdf/10.1186%2Fs12887-019-1408-8.pdf>

A health systems strengthening intervention to improve quality of care for sick and small newborn infants: results from an evaluation in district hospitals in KwaZulu-Natal, South Africa (PDF)

<https://link.springer.com/content/pdf/10.1186%2Fs12887-019-1396-8.pdf>

Pediatric Critical Care Medicine

Positive airway pressure versus high-flow nasal cannula for prevention of extubation failure in infants after congenital heart surgery

<https://www.ncbi.nlm.nih.gov/pubmed/30407954>

Monitoring gas exchange during hypothermia for hypoxic-ischemic encephalopathy

<https://www.ncbi.nlm.nih.gov/pubmed/30720647>

Cerebrovascular physiology during pediatric extracorporeal membrane oxygenation: a multicenter study using transcranial doppler ultrasonography

<https://www.ncbi.nlm.nih.gov/pubmed/30395027>

New England Journal of Medicine

Correspondence: Neonatal organ donation

<https://www.ncbi.nlm.nih.gov/pubmed/30789682>

Lancet

Prenatal exome sequencing analysis in fetal structural anomalies detected by ultrasonography (PAGE): a cohort study

<https://www.ncbi.nlm.nih.gov/pubmed/30712880>

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