

Publications Working Group

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Section on Neonatal-Perinatal Medicine

ARTICLES OF INTEREST – November, 2017

[Effect of intranasally delivered rh-VEGF165 on angiogenesis following cerebral hypoxia-ischemia in the cerebral cortex of newborn piglets](#)

Jain A, Kratimenos P, Koutroulis I, et al. *Int J Mol Sci*.

The authors conducted the present study to assess if post-hypoxia intranasal administration of rh-VEGF165 increases the vascular density in the cerebral cortex of newborn piglets. They found that a 30 minute exposure to 0.05 FiO₂ reduced cortical vascular density, while treatment with rh-VEGF165 ameliorated this effect without inducing the formation of new vessels. The authors postulate that intranasal rh-VEGF165 could serve as a promising adjuvant therapy for hypoxic-ischemic encephalopathy (HIE).

[Identification of extremely premature infants at low risk for early-onset sepsis](#)

Puopolo KM, Mukhopadhyay S, Hansen NI, et al. *Pediatrics*.

In a cohort of 15,433 extremely premature infants, 5759 infants deemed “low risk” for early-onset sepsis (delivered by cesarean with membrane rupture at delivery and absence of clinical chorioamnionitis) were compared to 8422 non low-risk infants. The incidence of early-onset sepsis was 0.5% in low-risk infants compared to 2.5% in non-low-risk infants (adjusted relative risk 0.25; 95% CI 0.16-0.36). Prolonged antibiotics for 5 days or greater were given to 34% of low-risk infants compared to 47% of non-low risk infants. The authors concluded that recognition of delivery factors may help identify low-risk infants and guide decisions to limit early antibiotic use.

[Early caffeine prophylaxis and risk of failure of initial continuous positive airway pressure in very low birth weight infants](#)

Patel RM, Zimmerman K, Carlton DP, et al. *J Pediatr*.

In a multicenter observational cohort study of 366 US NICU's and 11133 infants, the risk of failure of CPAP therapy – defined as invasive mechanical ventilation or surfactant therapy on DOL 1-6 was not significantly different in VLBW infants receiving early caffeine therapy (DOL 0) as compared to caffeine therapy on DOL 1-6.

[Noninvasive continuous cardiac output and cerebral perfusion monitoring in term infants with neonatal encephalopathy: assessment of feasibility and reliability](#)

Forman E, Breatnach CR, Ryan S, et al. *Pediatr Res*.

Continuous noninvasive monitoring is increasingly used in neonatal care. In this study, the authors evaluated the use of NIRS and noninvasive cardiac output (NICOM). NICOM values were compared with simultaneous echocardiography-derived CO in 24 term infants with hypoxic ischemic encephalopathy during and after therapeutic hypothermia. The authors concluded that NICOM correlated well with echo-derived CO and suggested additional studies.

[Management of asymptomatic neonates born in the setting of chorioamnionitis: a safety comparison of the well-baby and intensive care setting](#)

Peterson D, Hoffman SB, El-Metwally D, et al. *J Perinatol*.

NICU evaluation and management of babies born to mothers with chorioamnionitis often involves separation of the mother-baby dyad and more invasive interventions. The authors sought to evaluate the safety of a change in care setting for asymptomatic neonates born to mothers with chorioamnionitis from the neonatal intensive care unit to the well baby nursery. Asymptomatic neonates born to mothers with chorioamnionitis were safely treated in a well baby nursery under the guidance of a protocol for triage, thereby reducing NICU exposure for these neonates.

[Effect of inhaled nitric oxide on survival without bronchopulmonary dysplasia in preterm infants a randomized clinical trial](#)

Hasan SU, Potenziano J, Konduri GG, et al. *JAMA Pediatr*.

451 neonates < 30 weeks gestation and birth weight < 1250 gms, receiving mechanical ventilation or positive pressure support on postnatal days 5 – 14, underwent a RCT to evaluate the use iNO for a period of 24 days compared to placebo. iNO use appeared to be safe but did not improve survival without BPD at 36 weeks PMA or respiratory and neurodevelopmental outcomes at 18-24 months PMA.

[Effect of therapeutic hypothermia initiated after 6 hours of age on death or disability among newborns with hypoxic-ischemic encephalopathy: a randomized clinical trial](#)

Laptook AR, Shankaran S, Tyson JE, et al. *JAMA*.

This Neonatal Research Network trial randomized 186 infants at 21 institutions who were born at ≥ 36 weeks gestation with moderate to severe encephalopathy to therapeutic hypothermia starting at 6 to 24 hours after birth or noncooling. The authors found that hypothermia initiated at 6 to 24 hours after birth compared with noncooling resulted in a 76% probability of any reduction in death or disability, and a 64% probability of at least 2% less death or disability at 18 to 22 months.

OTHER NOTEWORTHY PUBLICATIONS – November, 2017

Pediatrics

Duration of breastfeeding and risk of SIDS: an individual participant data meta-analysis

<https://www.ncbi.nlm.nih.gov/pubmed/29084835>

An association between prenatal acetaminophen use and ADHD: the benefits of large data sets

<https://www.ncbi.nlm.nih.gov/pubmed/29084834>

Cord blood banking for potential future transplantation

<https://www.ncbi.nlm.nih.gov/pubmed/29084832>

The care of children with congenital heart disease in their primary medical home

<https://www.ncbi.nlm.nih.gov/pubmed/29084831>

Prenatal exposure to acetaminophen and risk of ADHD

<https://www.ncbi.nlm.nih.gov/pubmed/29084830>

Reducing time to antibiotics in children with intestinal failure, central venous line, and fever

<https://www.ncbi.nlm.nih.gov/pubmed/29066581>

Intelligence and academic achievement with asymptomatic congenital cytomegalovirus infection

<https://www.ncbi.nlm.nih.gov/pubmed/29066580>

Insight into long-term neurodevelopmental outcomes in asymptomatic congenital CMV infection

<https://www.ncbi.nlm.nih.gov/pubmed/29066579>

One-year language outcomes in toddlers with language delays: an RCT follow-up

<https://www.ncbi.nlm.nih.gov/pubmed/29054980>

Congenital heart surgery on in-hospital mortality in trisomy 13 and 18

<https://www.ncbi.nlm.nih.gov/pubmed/29046387>

Social determinants of health and hospital readmission

<https://www.ncbi.nlm.nih.gov/pubmed/29046386>

Trisomy 13 and 18: cardiac surgery makes sense if it is part of a comprehensive care strategy

<https://www.ncbi.nlm.nih.gov/pubmed/29046385>

A newborn with abdominal pain

<https://www.ncbi.nlm.nih.gov/pubmed/29042421>

A 3-month-old with failure to thrive and persistent vomiting

<https://www.ncbi.nlm.nih.gov/pubmed/29042419>

Beliefs regarding development and early intervention among low-income African American and Hispanic mothers

<https://www.ncbi.nlm.nih.gov/pubmed/29038343>

Neurodevelopment at age 10 years of children born <28 weeks with fetal growth restriction

<https://www.ncbi.nlm.nih.gov/pubmed/29030525>

False-positive newborn screening for cystic fibrosis and health care use

<https://www.ncbi.nlm.nih.gov/pubmed/29025964>

Journal of Pediatrics

Caffeine therapy—when and why? (PDF)

[http://www.jpeds.com/article/S0022-3476\(17\)31286-6/pdf](http://www.jpeds.com/article/S0022-3476(17)31286-6/pdf)

Please diagnose infantile spasm early! (PDF)

[http://www.jpeds.com/article/S0022-3476\(17\)31287-8/pdf](http://www.jpeds.com/article/S0022-3476(17)31287-8/pdf)

Alkaline phosphatase and infant cardiopulmonary bypass (PDF)

[http://www.jpeds.com/article/S0022-3476\(17\)31289-1/pdf](http://www.jpeds.com/article/S0022-3476(17)31289-1/pdf)

When increased mortality indicates improved care: CDH ECMO registry data (PDF)

[http://www.jpeds.com/article/S0022-3476\(17\)31291-X/pdf](http://www.jpeds.com/article/S0022-3476(17)31291-X/pdf)

Newborn screening for spinal muscular atrophy and lysosomal storage disorders takes advantage of novel therapies (PDF)

[http://www.jpeds.com/article/S0022-3476\(17\)31070-3/pdf](http://www.jpeds.com/article/S0022-3476(17)31070-3/pdf)

Searching for the best oral treatment for hypoglycemic newborns (PDF)

[http://www.jpeds.com/article/S0022-3476\(17\)31083-1/pdf](http://www.jpeds.com/article/S0022-3476(17)31083-1/pdf)

Can we understand the pathobiology of bronchopulmonary dysplasia?

<https://www.ncbi.nlm.nih.gov/pubmed/29144252>

Alkaline phosphatase in infant cardiopulmonary bypass: kinetics and relationship to organ injury and major cardiovascular events

<https://www.ncbi.nlm.nih.gov/pubmed/29144270>

The effect of level of care on gastroschisis outcomes

<https://www.ncbi.nlm.nih.gov/pubmed/29144275>

Early mortality and morbidity in infants with birth weight of 500 grams or less in Japan (PDF)

[http://www.jpeds.com/article/S0022-3476\(17\)30638-8/pdf](http://www.jpeds.com/article/S0022-3476(17)30638-8/pdf)

Outcomes of preterm infants following discussions about withdrawal or withholding of life support (PDF)

[http://www.jpeds.com/article/S0022-3476\(17\)30749-7/pdf](http://www.jpeds.com/article/S0022-3476(17)30749-7/pdf)

Presymptomatic diagnosis of spinal muscular atrophy through newborn screening

<https://www.ncbi.nlm.nih.gov/pubmed/28711173>

Newborn screening for lysosomal storage disorders in Illinois: the initial 15-month experience

<https://www.ncbi.nlm.nih.gov/pubmed/28728811>

What happens to blood glucose concentrations after oral treatment for neonatal hypoglycemia?

<https://www.ncbi.nlm.nih.gov/pubmed/28709629>

Trial of music, sucrose, and combination therapy for pain relief during heel prick procedures in neonates

<https://www.ncbi.nlm.nih.gov/pubmed/29144240>

Bilirubin uridine diphosphate-glucuronosyltransferase polymorphism as a risk factor for prolonged hyperbilirubinemia in Japanese preterm infants

<https://www.ncbi.nlm.nih.gov/pubmed/28888563>

Shifting risks and conflicting outcomes—ECMO for neonates with congenital diaphragmatic hernia in the modern era

<https://www.ncbi.nlm.nih.gov/pubmed/29144241>

Effects of intrapartum antibiotic prophylaxis on neonatal acquisition of group B streptococci

<https://www.ncbi.nlm.nih.gov/pubmed/29144242>

Influence of socioeconomic context on the rehospitalization rates of infants born preterm

<https://www.ncbi.nlm.nih.gov/pubmed/28893384>

Increased DNA methylation of *abcb1*, *cyp2d6*, and *oprm1* genes in newborn infants of methadone-maintained opioid-dependent mothers

<https://www.ncbi.nlm.nih.gov/pubmed/28867064>

Risk of mortality into adulthood according to gestational age at birth

<https://www.ncbi.nlm.nih.gov/pubmed/29144243>

Recognition of infantile spasms is often delayed: the ASSIST study

<https://www.ncbi.nlm.nih.gov/pubmed/29144248>

Pediatric Research

Influences of medications on the developing fetus: toward deciphering the unknowns

<https://www.ncbi.nlm.nih.gov/pubmed/28902185>

Introduction of various allergenic foods during infancy reduces risk of IgE sensitization at 12 months of age: a birth cohort study

<https://www.ncbi.nlm.nih.gov/pubmed/29040259>

Cardiometabolic risk factors and lactoferrin: polymorphisms and plasma levels in French-Canadian children

<https://www.ncbi.nlm.nih.gov/pubmed/28678770>

Maturation decrease of glutamate in the human cerebral cortex from childhood to young adulthood: a ¹H-MR spectroscopy study

<https://www.ncbi.nlm.nih.gov/pubmed/28388602>

Exome sequencing reveals a novel homozygous splice site variant in the WNT1 gene underlying osteogenesis imperfecta type 3

<https://www.ncbi.nlm.nih.gov/pubmed/28665926>

The role of breast milk in the colonization of neonatal gut and skin with coagulase-negative staphylococci

<https://www.ncbi.nlm.nih.gov/pubmed/28665928>

Markers of maternal and infant metabolism are associated with ventricular dysfunction in infants of obese women with type 2 diabetes

<https://www.ncbi.nlm.nih.gov/pubmed/28604759>

Polymorphisms in CYP2C9 are associated with response to indomethacin among neonates with patent ductus arteriosus

<https://www.ncbi.nlm.nih.gov/pubmed/28609430>

The relationship between serum levels of prolactin and growth hormone in the early postnatal period

<https://www.ncbi.nlm.nih.gov/pubmed/28700563>

Neonatal adaptation following intrauterine antidepressant exposure: assessment, drug assay levels, and infant development outcomes

<https://www.ncbi.nlm.nih.gov/pubmed/28665925>

Association of the gut microbiota mobilome with hospital location and birth weight in preterm infants

<https://www.ncbi.nlm.nih.gov/pubmed/28665922>

Surfactant phospholipid composition of gastric aspirate samples differs between male and female very preterm infants

<https://www.ncbi.nlm.nih.gov/pubmed/28665932>

Recombinant CCN1 prevents hyperoxia-induced lung injury in neonatal rats

<https://www.ncbi.nlm.nih.gov/pubmed/28700567>

Preventing harmful effects of epileptic seizures on cerebrovascular functions in newborn pigs: does sex matter?

<https://www.ncbi.nlm.nih.gov/pubmed/28665933>

Archives of Disease in Childhood - Fetal & Neonatal Edition

Providing active antenatal care depends on the place of birth for extremely preterm births: the EPIPAGE 2 cohort study

<https://www.ncbi.nlm.nih.gov/pubmed/28667191>

Changes in cardiac output and cerebral oxygenation during prone and supine sleep positioning in healthy term infants

<https://www.ncbi.nlm.nih.gov/pubmed/28747363>

Abstention or intervention for isolated hypotension in the first 3 days of life in extremely preterm infants: association with short-term outcomes in the EPIPAGE 2 cohort study

<https://www.ncbi.nlm.nih.gov/pubmed/28302697>

A first-in-human clinical study of a new SP-B and SP-C enriched synthetic surfactant (CHF5633) in preterm babies with respiratory distress syndrome (PDF)

<http://fn.bmj.com/content/102/6/F497.full.pdf>

Emergency laparotomy in infants born at <26 weeks gestation: a neonatal network-based cohort study of frequency, surgical pathology and outcomes

<https://www.ncbi.nlm.nih.gov/pubmed/28468896>

Short-term and long-term outcomes of preterm neonates with acute severe pulmonary hypertension following rescue treatment with inhaled nitric oxide

<https://www.ncbi.nlm.nih.gov/pubmed/28483819>

Newborn infants with bilious vomiting: a national audit of neonatal transport services

<https://www.ncbi.nlm.nih.gov/pubmed/28483818>

Contribution of targeted saliva screening for congenital CMV-related hearing loss in newborns who fail hearing screening

<https://www.ncbi.nlm.nih.gov/pubmed/28468898>

Severe retinopathy of prematurity predicts delayed white matter maturation and poorer neurodevelopment

<https://www.ncbi.nlm.nih.gov/pubmed/28536205>

Dextrose gel treatment does not impair subsequent feeding

<https://www.ncbi.nlm.nih.gov/pubmed/28536206>

Review: How to feed a baby recovering from necrotising enterocolitis when maternal milk is not available

<https://www.ncbi.nlm.nih.gov/pubmed/28780499>

Review: Inotropes for preterm babies during the transition period after birth: friend or foe?

<https://www.ncbi.nlm.nih.gov/pubmed/28818851>

Review: Epidemiology, management and outcome of ultrashort bowel syndrome in infancy (PDF)

<http://fn.bmj.com/content/102/6/F551.full.pdf>

Journal of Perinatology

Systematic reviews and meta-analysis: why might more clinical trials yield no greater precision?

<https://www.ncbi.nlm.nih.gov/pubmed/29138521>

Delivery room interventions to prevent bronchopulmonary dysplasia in extremely preterm infants

<https://www.ncbi.nlm.nih.gov/pubmed/28569744>

Milestones and controversies in maternal and child health: examining a brief history of micronutrient fortification in the US

<https://www.ncbi.nlm.nih.gov/pubmed/28749486>

Complications of prematurity: an infographic

<https://www.ncbi.nlm.nih.gov/pubmed/29138522>

Trends in provider-initiated versus spontaneous preterm deliveries, 2004–2013

<https://www.ncbi.nlm.nih.gov/pubmed/28749488>

Effect of interpregnancy interval on the success rate of trial of labor after cesarean

<https://www.ncbi.nlm.nih.gov/pubmed/29138524>

Time-to-delivery and delivery outcomes comparing three methods of labor induction in 7551 nulliparous women: a population-based cohort study

<https://www.ncbi.nlm.nih.gov/pubmed/29138519>

Cord blood neutropenia is an independent predictor of early sepsis

<https://www.ncbi.nlm.nih.gov/pubmed/28837136>

Predominant area of brain lesions in neonates with herpes simplex encephalitis

<https://www.ncbi.nlm.nih.gov/pubmed/28726789>

Do trials reduce uncertainty? Assessing impact through cumulative meta-analysis of neonatal RCTs

<https://www.ncbi.nlm.nih.gov/pubmed/28880258>

Barriers to enrollment in a randomized controlled trial of hydrocortisone for cardiovascular insufficiency in term and late preterm newborn infants

<https://www.ncbi.nlm.nih.gov/pubmed/28880260>

Communicating prognosis with parents of critically ill infants: direct observation of clinician behaviors

<https://www.ncbi.nlm.nih.gov/pubmed/28749479>

Implementation of a multidisciplinary guideline improves preterm infant admission temperatures

<https://www.ncbi.nlm.nih.gov/pubmed/28726791>

Neonatology

Reliability and validity of a smartphone-paired pulse oximeter for screening of critical congenital heart defects in newborns

<https://www.ncbi.nlm.nih.gov/pubmed/28768288>

NICU human milk dose and 20-month neurodevelopmental outcome in very low birth weight infants

<https://www.ncbi.nlm.nih.gov/pubmed/28768286>

Chest compressions during sustained inflations improve recovery when compared to a 3:1 compression:ventilation ratio during cardiopulmonary resuscitation in a neonatal porcine model of asphyxia

<https://www.ncbi.nlm.nih.gov/pubmed/28768280>

Saline enemas versus glycerin suppositories to promote enteral feeding in premature infants: a pilot randomized controlled trial

<https://www.ncbi.nlm.nih.gov/pubmed/28768263>

A potential role for the NOD1 variant (rs6958571) in gram-positive blood stream infection in ELBW infants

<https://www.ncbi.nlm.nih.gov/pubmed/28768269>

Abnormal interhemispheric synchrony in neonatal hypoxic-ischemic encephalopathy: a retrospective pilot study

<https://www.ncbi.nlm.nih.gov/pubmed/28796992>

Clinical outcome for congenital diaphragmatic hernia at the age of 1 year in the era of fetal intervention

<https://www.ncbi.nlm.nih.gov/pubmed/28866670>

Heme oxygenase activity and heme binding in a neonatal mouse model

<https://www.ncbi.nlm.nih.gov/pubmed/28926834>

A distinctive ictal amplitude-integrated electroencephalography pattern in newborns with neonatal epilepsy associated with KCNQ2 mutations

<https://www.ncbi.nlm.nih.gov/pubmed/28926830>

Are all amplitude-integrated electroencephalogram systems equal

<https://www.ncbi.nlm.nih.gov/pubmed/28926828>

Persistent pulmonary hypertension of the newborn In twin-twin transfusion syndrome: a case-control study

<https://www.ncbi.nlm.nih.gov/pubmed/28926832>

American Journal of Perinatology

Admission systolic blood pressure and outcomes in preterm infants of ≤ 26 weeks' gestation

<https://www.ncbi.nlm.nih.gov/pubmed/28499307>

How are neonatology fellows trained for antenatal periviability counseling?

<https://www.ncbi.nlm.nih.gov/pubmed/28499306>

The role of interleukin-6 and interleukin-8 circulating cytokines in differentiating between feeding intolerance and necrotizing enterocolitis in preterm infants

<https://www.ncbi.nlm.nih.gov/pubmed/28505680>

Achievement of body mass index specific weight gain recommendations: impact on preterm birth in twin pregnancies

<https://www.ncbi.nlm.nih.gov/pubmed/28505679>

Is the correlation between salivary cortisol and serum cortisol reliable enough to enable use of salivary cortisol levels in preterm infants?

<https://www.ncbi.nlm.nih.gov/pubmed/28505678>

Failed vacuum and the long-term neurological impact on the offspring

<https://www.ncbi.nlm.nih.gov/pubmed/28561146>

Serum endocan level as a predictive marker for hemodynamically significant patent ductus arteriosus in very low birth weight infants

<https://www.ncbi.nlm.nih.gov/pubmed/28561144>

Assessment of anthropometric measurements as predictors of car seat screening failure

<https://www.ncbi.nlm.nih.gov/pubmed/28561143>

Lipoprotein heterogeneity early in pregnancy and preterm birth

<https://www.ncbi.nlm.nih.gov/pubmed/28561142>

Survival, short-term, and long-term morbidities of neonates with birth weight < 500 g

<https://www.ncbi.nlm.nih.gov/pubmed/28561141>

Assessment of iron status and the effect of red blood cell transfusion in premature infants

<https://www.ncbi.nlm.nih.gov/pubmed/28561140>

In-hospital outcomes following extracorporeal membrane oxygenation in a retrospective cohort of infants

<https://www.ncbi.nlm.nih.gov/pubmed/28561190>

Fetal heart function by tricuspid annular plane systolic excursion and ventricular shortening fraction using stic m-mode: reference ranges and validation

<https://www.ncbi.nlm.nih.gov/pubmed/28571079>

Incidence of sudden unexpected postnatal collapse in the therapeutic hypothermia era

<https://www.ncbi.nlm.nih.gov/pubmed/28571078>

Necrotizing enterocolitis incidence, characteristics, and outcomes in neonatal down syndrome patients

<https://www.ncbi.nlm.nih.gov/pubmed/28575908>

Journal of Neonatal-Perinatal Medicine

Isolated neonatal MRI punctate white matter lesions in very preterm neonates and quality of life at school age

<https://www.ncbi.nlm.nih.gov/pubmed/28854519>

Intestinal perforation in the premature infant

<https://www.ncbi.nlm.nih.gov/pubmed/28854518>

The effect of meconium exposure on the expression and differentiation of amniotic fluid mesenchymal stem cells

<https://www.ncbi.nlm.nih.gov/pubmed/28854517>

Risk of morbidity following catheter removal among neonates with catheter associated bloodstream infection

<https://www.ncbi.nlm.nih.gov/pubmed/28854516>

Intravenous immunoglobulin in the management of a rare cause of hemolytic disease of the newborn: anti-SARA antibodies

<https://www.ncbi.nlm.nih.gov/pubmed/28854515>

Reduction in necrotizing enterocolitis and improved outcomes in preterm infants following routine supplementation with lactobacillus GG in combination with bovine lactoferrin

<https://www.ncbi.nlm.nih.gov/pubmed/28854514>

Preoperative metabolic acidosis in infants with gastroschisis

<https://www.ncbi.nlm.nih.gov/pubmed/28854513>

Cerebral oxygenation and desaturations in preterm infants - a longitudinal data analysis

<https://www.ncbi.nlm.nih.gov/pubmed/28854512>

Neonatal complex arrhythmias possibly related to a TTN mutation

<https://www.ncbi.nlm.nih.gov/pubmed/28854511>

Troponin-T as a biomarker in neonates with perinatal asphyxia

<https://www.ncbi.nlm.nih.gov/pubmed/28854510>

The influence of the built environment on adverse birth outcomes

<https://www.ncbi.nlm.nih.gov/pubmed/28854508>

Improving handover between the transport team and neonatal intensive care unit staff in neonatal transports using the plan-do-study-act tool

<https://www.ncbi.nlm.nih.gov/pubmed/28854507>

Transfusion-related acute lung injury following PDA ligation in a preterm neonate

<https://www.ncbi.nlm.nih.gov/pubmed/28854506>

Impact of prenatal diagnosis of fetus-in-fetu

<https://www.ncbi.nlm.nih.gov/pubmed/28854505>

Maternal Health, Neonatology and Perinatology

Milrinone in congenital diaphragmatic hernia – a randomized pilot trial: study protocol, review of literature and survey of current practices (PDF)

<https://mhnjournal.biomedcentral.com/articles/10.1186/s40748-017-0066-9>

Use of a social media network to reduce early neonatal mortality: a preliminary report from a quality improvement project in Yaoundé, Cameroon (PDF)

<https://mhnjournal.biomedcentral.com/articles/10.1186/s40748-017-0064-y>

Correlates of maternal mortality in developing countries: an ecological study in 82 countries (PDF)

<https://mhnjournal.biomedcentral.com/articles/10.1186/s40748-017-0059-8>

Neoreviews

“After you!”

<http://neoreviews.aappublications.org/content/18/11/e634>

Intermittent hypoxemia in preterm infants: etiology and clinical relevance

<http://neoreviews.aappublications.org/content/18/11/e637>

Video recording delivery room resuscitation

<http://neoreviews.aappublications.org/content/18/11/e647>

Providing ventilation to the newborn infant in the delivery room

<http://neoreviews.aappublications.org/content/18/11/e658>

Case 1: A term infant with apnea and stiffening

<http://neoreviews.aappublications.org/content/18/11/e665>

Case 2: Unexplained hypercarbia in a neonate in the neonatal intensive care unit

<http://neoreviews.aappublications.org/content/18/11/e668>

Case 3: Infant with stridor

<http://neoreviews.aappublications.org/content/18/11/e671>

Legal Briefs: Should this neonate with transposition of the great arteries have survived?

<http://neoreviews.aappublications.org/content/18/11/e674>

Strip of the month: Sustained maternal tachyarrhythmia

<http://neoreviews.aappublications.org/content/18/11/e677>

Neonate with a hypopigmented rash

<http://neoreviews.aappublications.org/content/18/11/e684>

JAMA Pediatrics

Association of cigarette price differentials with infant mortality in 23 European Union countries

<https://www.ncbi.nlm.nih.gov/pubmed/28975220>

Accuracy of complete blood cell counts to identify febrile infants 60 days or younger with invasive bacterial infections

<https://www.ncbi.nlm.nih.gov/pubmed/28892537>

Infantile-onset fever and urticaria

<https://www.ncbi.nlm.nih.gov/pubmed/28975215>

BMC Pediatrics

Fine motor skills in a population of children in remote Australia with high levels of prenatal alcohol exposure and Fetal Alcohol Spectrum Disorder

<https://www.ncbi.nlm.nih.gov/pubmed/29157212>

Health, nutrition, and development of children born preterm and low birth weight in rural Rwanda: a cross-sectional study

<https://www.ncbi.nlm.nih.gov/pubmed/29141590>

Improved referral and survival of newborns after scaling up of intensive care in Suriname

<https://www.ncbi.nlm.nih.gov/pubmed/29137607>

Pediatric Critical Care Medicine

Comparison of consent models in a randomized trial of corticosteroids in pediatric septic shock

<https://www.ncbi.nlm.nih.gov/pubmed/28817507>

Association of response to inhaled nitric oxide and duration of mechanical ventilation in pediatric acute respiratory distress syndrome

<https://www.ncbi.nlm.nih.gov/pubmed/29099443>

Potential acceptability of a pediatric ventilator management computer protocol

<https://www.ncbi.nlm.nih.gov/pubmed/28926488>

The future of resuscitation: personalized physiology-guided cardiopulmonary resuscitation

<https://www.ncbi.nlm.nih.gov/pubmed/29099457>

Basic hemodynamic monitoring using ultrasound or electrical cardiometry during transportation of neonates and infants

<https://www.ncbi.nlm.nih.gov/pubmed/28800001>

Validation of a portable coagulometer for routine in-hospital use for newborns

<https://www.ncbi.nlm.nih.gov/pubmed/28922264>

End-tidal CO₂-guided chest compression delivery improves survival in a neonatal asphyxial cardiac arrest model

<https://www.ncbi.nlm.nih.gov/pubmed/28817506>

New England Journal of Medicine

A renewed focus on maternal health in the United States

<https://www.ncbi.nlm.nih.gov/pubmed/29091560>

Nusinersen versus sham control in infantile-onset spinal muscular atrophy

<https://www.ncbi.nlm.nih.gov/pubmed/29091570>

Images in clinical medicine: congenital diaphragmatic hernia

<https://www.ncbi.nlm.nih.gov/pubmed/29069554>

Lancet

Mapping under-5 and neonatal mortality in Africa, 2000–15: a baseline analysis for the sustainable development goals

<https://www.ncbi.nlm.nih.gov/pubmed/28958464>

An update on Zika virus infection

<https://www.ncbi.nlm.nih.gov/pubmed/28647173>

Changes in cause-specific neonatal and 1–59-month child mortality in India from 2000 to 2015: a nationally representative survey

<https://www.ncbi.nlm.nih.gov/pubmed/28939096>

JAMA

Association between prepregnancy body mass index and severe maternal morbidity

<https://www.ncbi.nlm.nih.gov/pubmed/29136442>

Maternal use of antiepileptic agents during pregnancy and major congenital malformations in children

<https://www.ncbi.nlm.nih.gov/pubmed/29114815>

BMJ

Follow-up brain imaging of 37 children with congenital Zika syndrome: case series study

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New cerebral findings in infants with congenital Zika syndrome

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Postnatal outcomes of fetal supraventricular tachycardia: a multicenter study

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Lower hospital charges and societal costs for catheter device closure of atrial septal defects

<https://www.ncbi.nlm.nih.gov/pubmed/28681132>

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Vision assessments and interventions for infants 0-2 years at high risk for cerebral palsy: a systematic review

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The link between cell-free DNA, inflammation and the initiation of spontaneous labor at term

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Amniotic fluid transcriptomics reflects novel disease mechanisms in fetuses with myelomeningocele

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BASIC SCIENCE SELECTIONS

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Movsas TZ, Weiner RL, Greenberg MB, et al. Front Pediatr.
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