ARTICLES OF INTEREST – February, 2018

Systemic and transdermal melatonin administration prevents neuropathology in response to perinatal asphyxia in newborn lambs.

To determine the effect of melatonin on the neuropathology of perinatal asphyxia, the authors treated lambs with IV or transdermal patch melatonin following umbilical cord occlusion. They found that melatonin prevented the rise in lactate:N-acetyl aspartate ratio on brain magnetic resonance spectroscopy and mitigated capase-3 activation, lipid peroxidation, and neuroinflammation in the grey and white matter of asphyxiated animals. The authors conclude that systemic or transdermal neonatal melatonin administration significantly reduces the neuropathology and encephalopathy associated with perinatal asphyxia.

Caffeine protects against anticonvulsant-induced impaired neurogenesis in the developing rat brain

Given the concerns that phenobarbital may be toxic to the developing brain, the authors chose to study the interaction of phenobarbital and caffeine in the hippocampus of the developing rodent brain. They observed that phenobarbital-mediated impairment of neurogenesis was largely ameliorated by preconditioning with caffeine (10 mg/kg). These results suggest that administration of phenobarbital during the vulnerable phase of brain development negatively impacts neuronal development, an effect which can be prevented, in part, by co-administration of caffeine.

Morbidity and mortality in small for gestational age infants at 22 to 29 weeks’ gestation

This study reviewed data collected on 156,587 infants from 852 centers participating in the Vermont Oxford Network between 2006 and 2014. Compared with non-SGA infants, SGA infants were at increased risks of mortality, respiratory distress syndrome, necrotizing enterocolitis, severe retinopathy of prematurity, and chronic lung disease. The authors noted that risks differed across gestational age range: for example, severe IVH was decreased among SGA infants for only gestational week 24 through week 25 and the risk of PDA decreased for SGA infants in early gestational age and then increased in later gestational age.
Laryngeal mask airway for surfactant administration in neonates: a randomized, controlled trial

In this prospective, multicenter, randomized controlled trial, the investigators sought to determine if preterm infants with moderate respiratory distress syndrome on continuous positive airway pressure (CPAP) who received surfactant via a laryngeal mask airway (LMA) would have a decreased rate of intubation and mechanical ventilation compared with those on CPAP who did not receive surfactant. A total of 103 premature infants 28 0/7 - 35 6/7 weeks gestation, ≥1250 g and ≤36 hours old on CPAP requiring fraction of inspired oxygen 0.30-0.40 were assigned to receive surfactant administered through an LMA and then placed back on CPAP (LMA group) or maintained on CPAP with no surfactant administered (control group). The primary outcome was treatment failure necessitating intubation and mechanical ventilation in the first 7 days of life. In premature neonates with moderate respiratory distress syndrome, surfactant administered through an LMA decreased the rate of intubation and mechanical ventilation.

Necrotizing enterocolitis and high intestinal iron uptake due to genetic variants

This study from Germany used genotyping data on 11,166 infants to evaluate if single-nucleotide polymorphisms known to modify intestinal iron uptake are associated with necrotizing enterocolitis in preterm infants. The study reported that the rs855791 genotype was associated with a lower risk of surgical NEC (OR 0.265; 95% CI 0.11-0.65; P=0.011). Among carriers of the rs855791 A-allele, those who did not receive probiotics had a higher risk of surgical NEC, while those who received probiotics had a lower risk of surgical NEC. The study concluded that polymorphisms causing lower intestinal iron uptake may influence the risk of NEC.

Optimal antiretroviral prophylaxis in infants at high risk of acquiring HIV: a systematic review

Cochrane CENTRAL, EMBASE, PubMed databases from 2005 to 2015, as well as conferences on retroviruses and opportunistic infections and international AIDS society abstracts were searched to determine if there is evidence for the World Health Organization to recommend enhanced or extended prophylaxis for high-risk infants. Multidrug regimens were shown to significantly reduce transmission rates compared with single-drug regimens; however, there was no significant difference between 2- and 3-drug regimens in high risk HIV exposed infants. 6 months of nevirapine was shown to significantly reduce HIV transmission compared to the standard 6-week regimen in breastfed infants.

The Management of Myelomeningocele Study: full cohort 30-month pediatric outcomes

The study reports the 30-month outcomes among 183 patients from the Management of Myelomeningocele Study (MOMS) trial in which a mother and her fetus were randomized to either prenatal or postnatal repair of myelomeningocele. 30-month outcomes from the full cohort of infants were evaluated using a composite of mental development and motor function outcome with the Bayley Scales of Infant Development 2nd edition. Prenatal repair, compared to postnatal repair, improved the composite score (199 vs. 167, P=0.004) and improved independent ambulation (45% vs 24%, P=0.004) but did not result in improved cognitive development at 30 months.
OTHER NOTEWORTHY PUBLICATIONS – February, 2018

**Pediatrics**

- Accuracy of the urinalysis for urinary tract infections in febrile infants 60 days and younger
- Prevalence and risk factors for microcephaly at birth in Brazil in 2010
- Rhinovirus in febrile infants and risk of bacterial infection
- Herpes simplex virus infection in infants undergoing meningitis evaluation
- Outcome of preterm infants with postnatal cytomegalovirus infection
- Neonatal morbidity at term, early child development, and school performance: a population study
- Developmental disability at school age and difficulty obtaining follow-up data
- Placental findings and effect of prophylactic hydrocortisone in extremely preterm infants
- AAP Policy: Screening children at risk for retinoblastoma
- The contribution of neonatal jaundice to global child mortality: findings from the GBD 2016 study
- Acid-suppressive drug use during pregnancy and the risk of childhood asthma: a meta-analysis
- Neurodevelopment in young children born to HIV-infected mothers: a meta-analysis
- Monitoring the postnatal growth of preterm infants: a paradigm change
- A case of cardiomyopathy due to premature ductus arteriosus closure: the flip side of paracetamol

**Journal of Pediatrics**

- Is it necessary to heat and humidify respiratory gases for resuscitation in preterm infants?
- Infants born with Down syndrome: burden of disease in the early neonatal period
- Race effects of inhaled nitric oxide in preterm infants: an individual participant data meta-analysis
- A randomized trial of conditioned or unconditioned gases for stabilizing preterm infants at birth
- Altered cerebral perfusion in infants born preterm compared with infants born full term
- Exposure to gastric acid inhibitors increases the risk of infection in preterm very low birth weight infants but concomitant administration of lactoferrin counteracts this effect
- Long-term outcomes of hyperglycemic preterm infants randomized to tight glycemic control
- Tiny babies can be sugary sweet—how hard should we work to control this?
- Periconception exposure to air pollution and risk of congenital malformations
Differentiating the preterm phenotype: distinct profiles of cognitive and behavioral development following late and moderately preterm birth

Neurobehavioral phenotypes in preterm children

Origins and predictors of friendships in 6- to 8-year-old children born at neonatal risk

Born too early for friends?

Usefulness of routine transtelephonic monitoring for supraventricular tachycardia in infants

One-year outcome for congenital diaphragmatic hernia: results from the French national register

Hepatic vascular tumors in the neonate: angiosarcoma

Nosocomial transmission and genetic diversity of rhinovirus in a neonatal intensive care unit

A nonlethal case of junctional epidermolysis bullosa and congenital pyloric atresia: compound heterozygosity in a patient with a novel integrin beta 4 gene mutation

Primary distal renal tubular acidosis: novel findings in patients studied by next-generation sequencing

Starter formula enriched in prebiotics and probiotics ensures normal growth of infants and promotes gut health: a randomized clinical trial

Endothelial cells of extremely premature infants display impaired immune response after proinflammatory stimulation

Reduction of brain volumes after neonatal cardiopulmonary bypass surgery in single-ventricle congenital heart disease before Fontan completion

Marshall Klaus: the impact of a pioneer in neonatology

Microbiological monitoring of continuous positive airway pressure and resuscitation equipment in very-low birth weight infants

Infantile hemangioma: factors causing recurrence after propranolol treatment

Progress in the management of neonatal sepsis: the importance of a consensus definition

Development of contractile properties in the fetal porcine urinary bladder

Effects of iron supplementation of low-birth-weight infants on cognition and behavior at 7 years: a randomized controlled trial

Effects of probiotics on experimental necrotizing enterocolitis: a systematic review and meta-analysis

Effects of early nutrition and growth on brain volumes, white matter microstructure, and neurodevelopmental outcome in preterm newborns
Postnatal polyunsaturated fatty acids associated with larger preterm brain tissue volumes and better outcomes


IGF2 stimulates fetal growth in a sex- and organ-dependent manner


Effects of postnatal overfeeding and fish oil diet on energy expenditure in rats


Single-immunoglobulin interleukin-1-related receptor regulates vulnerability to TLR4-mediated necrotizing enterocolitis in a mouse model


Creatine supplementation to total parenteral nutrition improves creatine status and supports greater liver and kidney protein synthesis in neonatal piglets


Genetic predisposition to fetal alcohol syndrome: association with congenital disorders of N-glycosylation


Polymorphisms in urea cycle enzyme genes are associated with persistent pulmonary hypertension of the newborn


Archives of Disease in Childhood - Fetal & Neonatal Edition

Effect of MRI on preterm infants and their families: a randomised trial with nested diagnostic and economic evaluation (PDF)

http://fn.bmj.com/content/fetalneonatal/103/1/F15.full.pdf

Estimating global burden of disease due to congenital anomaly: an analysis of European data (PDF)

http://fn.bmj.com/content/fetalneonatal/103/1/F22.full.pdf

Nasal injury in preterm infants receiving non-invasive respiratory support: a systematic review


Antenatal consultations for preterm labour: how are future mothers reassured?


T-piece versus self-inflating bag ventilation in preterm neonates at birth


Neonatal ethanol exposure from ethanol-based hand sanitisers in isolettes


Differences in subependymal vein anatomy may predispose preterm infants to GMH–IVH


Devices used for stabilisation of newborn infants at birth


Objective cardiovascular assessment in the neonatal intensive care unit


Growth and morbidity of extremely preterm infants after early full enteral nutrition


Analysis of neonatal resuscitation using eye tracking: a pilot study

**Journal of Perinatology**

Manipulating the microbiome: evolution of a strategy to prevent S. aureus disease in children  

A practical approach to the evaluation and treatment of an infant with aplasia cutis congenital  

Early versus 6–12 week postpartum glucose tolerance testing for women with gestational diabetes  

Predicting birth weight in fetuses with gastroschisis  

Hospital volume and cesarean delivery among low-risk women in a nationwide sample  

Effect of maternal smoking on stress physiology in healthy neonates  

Activation of toll-like receptors in meconium aspiration syndrome  

Parental assessment of comfort in newborns affected by life-limiting conditions treated by a standardized neonatal comfort care program  

Association of unit-wide oxygen saturation target on incidence of pulmonary hypertension in very low birthweight premature infants  

Double versus single intensive phototherapy with LEDs in treatment of neonatal hyperbilirubinemia  

Management of neonatal spontaneous intestinal perforation by peritoneal needle aspiration  

Comparison of sprinting vs non-sprinting to wean nasal continuous positive airway pressure off in very preterm infants  

Excipient exposure in very low birth weight preterm neonates  

Association of nursing overtime, nurse staffing and unit occupancy with medical incidents and outcomes of very preterm infants  

Pulse oximetry screening for critical congenital heart diseases at two different hospital settings in Thailand  

Effects of a transition home program on preterm infant emergency room visits within 90 days of discharge  

Developmental care, neonatal behavior and postnatal maternal depressive symptomatology predict internalizing problems at 18 months for very preterm children  

**Neonatology**

The cerebellar-cerebral microstructure is disrupted at multiple sites in very preterm infants with cerebellar haemorrhage  

Early nutrition and growth until the corrected age of 2 years in extremely preterm infants  

BMI Is a better body proportionality measure than the ponderal index and weight-for-length for preterm infants  
The use of peritoneal dialysis in phenobarbitone toxicity in a critically unwell neonate

Structural pulmonary abnormalities still evident in schoolchildren with new bronchopulmonary dysplasia

Early use of mother’s own raw milk, maternal satisfaction, and breastfeeding continuation in hospitalised neonates: a prospective cohort study

Classifying apnea of prematurity by transcutaneous electromyography of the diaphragm

Topical coconut oil in very preterm infants: an open-label randomised controlled trial

The laryngeal mask airway and its use in neonatal resuscitation: a critical review of where we are in 2017/2018

Diagnosis and management of necrotizing enterocolitis: an international survey of neonatologists and pediatric surgeons

Is there more to Zika? Complex cardiac disease in a case of congenital Zika syndrome

Effect of prophylactic indomethacin in extremely low birth weight infants based on the predicted risk of severe intraventricular hemorrhage

American Journal of Perinatology
Timing of maternal tobacco exposure, hypertension, and risk of singleton small-for-gestational age infants

Association between umbilical catheters and neonatal outcomes in extremely preterm infants

The association of decision-to-incision time for cesarean delivery with maternal and neonatal outcomes

Long-term outcomes of small for gestational age twins born at 34 weeks or later

Bleeding complications and mortality in neonates receiving therapeutic hypothermia and extracorporeal membrane oxygenation

Evolution of amplitude-integrated electroencephalogram as a predictor of outcome in term encephalopathic neonates receiving therapeutic hypothermia

The effect of delayed cord clamping on moderate and early late-preterm infants

Factors and outcomes of persistent pulmonary hypertension of the newborn associated with acute kidney injury in Thai neonates

Vitamin E in the preterm infant: a forgotten cause of hemolytic anemia
Journal of Neonatal-Perinatal Medicine
Isolated neonatal MRI punctate white matter lesions in very preterm neonates and quality of life at school age
Intestinal perforation in the premature infant
The effect of meconium exposure on the expression and differentiation of amniotic fluid mesenchymal stem cells
Risk of morbidity following catheter removal among neonates with catheter associated bloodstream infection
Intravenous immunoglobulin in the management of a rare cause of hemolytic disease of the newborn: anti-SARA antibodies
Reduction in necrotizing enterocolitis and improved outcomes in preterm infants following routine supplementation with lactobacillus GG in combination with bovine lactoferrin
Preoperative metabolic acidosis in infants with gastrochisis
Cerebral oxygenation and desaturations in preterm infants - a longitudinal data analysis
Neonatal complex arrhythmias possibly related to a TTN mutation
Troponin-T as a biomarker in neonates with perinatal asphyxia
The influence of the built environment on adverse birth outcomes
Improving handover between the transport team and neonatal intensive care unit staff in neonatal transports using the plan-do-study-act tool
Transfusion-related acute lung injury following PDA ligation in a preterm neonate
Impact of prenatal diagnosis of fetus-in-fetu

Maternal Health, Neonatology and Perinatology
Serum nitric oxide levels in healthy pregnant women: a case-control study in a tertiary facility in Ghana (PDF)
https://mhnpjournal.biomedcentral.com/articles/10.1186/s40748-017-0072-y
Management of group b streptococcus-positive pregnant women at maternity homes in Japan: a questionnaire survey of compliance among midwives (PDF)
https://mhnpjournal.biomedcentral.com/articles/10.1186/s40748-017-0069-6

Neoreviews
Evidence for role of genital mycoplasmas in preterm birth and neonatal lung injury
http://neoreviews.aappublications.org/content/19/2/e69
A focus on microbiome completeness and optimized colonization resistance in neonatology
http://neoreviews.aappublications.org/content/19/2/e78
Neonatal herpes simplex virus infection
http://neoreviews.aappublications.org/content/19/2/e89
Human immunodeficiency virus type 1 in the premature infant
http://neoreviews.aappublications.org/content/19/2/e97
Case 1: A rare case of antenatal hemorrhagic stroke and recurrent purpura fulminans in a preterm newborn
http://neoreviews.aappublications.org/content/19/2/e104
Case 2: Refractory respiratory failure and pneumothorax in a full-term newborn
http://neoreviews.aappublications.org/content/19/2/e109
Case 3: Abdominal distention and gastrointestinal bleeding in a late preterm neonate
http://neoreviews.aappublications.org/content/19/2/e112
Strip of the month: Preeclampsia with severe features and acute abruption
http://neoreviews.aappublications.org/content/19/2/e119
Swallow studies in preterm infants: indications and interpretation
http://neoreviews.aappublications.org/content/19/2/e115
A unique case of facial dysmorphism in an infant
http://neoreviews.aappublications.org/content/19/2/e127

JAMA Pediatrics
Use of fetal magnetic resonance image analysis and machine learning to predict the need for postnatal cerebrospinal fluid diversion in fetal ventriculomegaly
Association of age with risk of hospitalization for respiratory syncytial virus in preterm infants with chronic lung disease
Effect of nasal continuous positive airway pressure on infants with meconium aspiration syndrome: a randomized clinical trial
Effect of financial incentives on breastfeeding: a cluster randomized clinical trial

BMC Pediatrics
NEOnatal central-venous line observational study on thrombosis (NEOCLOT): evaluation of a national guideline on management of neonatal catheter-related thrombosis (PDF)
The minimally effective dose of sucrose for procedural pain relief in neonates: a randomized controlled trial (PDF)
Comparison of neonatal red cell transfusion reporting in neonatal intensive care units with blood product issue data: a validation study (PDF)
Decision-making at the limit of viability: differing perceptions and opinions between neonatal physicians and nurses (PDF)
Transcapillary fluid flux and inflammatory response during neonatal therapeutic hypothermia: an open, longitudinal, observational study (PDF)
High-dose of intravenous immunoglobulin modulates immune tolerance in premature infants (PDF)
HIV-1 transmission and survival according to feeding options in infants born to HIV-infected women in Yaoundé, Cameroon (PDF)
Prospective observational study on assessing the hemodynamic relevance of patent ductus arteriosus with frequency domain near-infrared spectroscopy (PDF)

Histologic chorioamnionitis in preterm infants: correlation with brain magnetic resonance imaging at term equivalent age (PDF)

Sonographic evaluation of adrenal size in neonates (23 to 41 weeks of gestation) (PDF)

Clinical evaluation of two different protein content formulas fed to full-term healthy infants: a randomized controlled trial (PDF)

Benefits of starting hypothermia treatment within 6 h vs. 6-12 h in newborns with moderate neonatal hypoxic-ischemic encephalopathy (PDF)

Clinical evaluation of two different protein content formulas fed to full-term healthy infants: a randomized controlled trial (PDF)

Early-onset neonatal hyperkalemia associated with maternal hypermagnesemia: a case report (PDF)

An infant formula containing dairy lipids increased red blood cell membrane omega 3 fatty acids in 4 month-old healthy newborns: a randomized controlled trial (PDF)

Gastro-oesophageal reflux: a mixed methods study of infants admitted to hospital in the first 12 months following birth in NSW (2000-2011) (PDF)

Supporting play exploration and early developmental intervention versus usual care to enhance development outcomes during the transition from the neonatal intensive care unit to home: a pilot randomized controlled trial (PDF)

Barriers and enablers to skin-to-skin contact at birth in healthy neonates - a qualitative study (PDF)

Prenatal and accurate perinatal diagnosis of type 2 H or ductular duplicate gallbladder (PDF)

Prenatal and perinatal risks for late language emergence in a population-level sample of twins at age 2 (PDF)

Streptococcus agalactiae meningoencephalitis associated with gastroesophageal reflux disease and chronic proton pump inhibitors use, in a 9 month-old infant: a case report (PDF)

**Pediatric Critical Care Medicine**

Enteral feeding practices in infants with congenital heart disease across European PICUs: a European Society of Pediatric and Neonatal Intensive Care survey

Understanding the impact of fluid restriction on growth outcomes in infants following cardiac surgery

Cognitive development one year after infantile critical pertussis
https://www.ncbi.nlm.nih.gov/pubmed/29117060

**New England Journal of Medicine**
Case 4-2018: A newborn with thrombocytopenia, cataracts, and hepatosplenomegaly

**Lancet**
Safety, tolerability, and immunogenicity of two Zika virus DNA vaccine candidates in healthy adults: randomised, open-label, phase 1 clinical trials
Preliminary aggregate safety and immunogenicity results from three trials of a purified inactivated Zika virus vaccine candidate: phase 1, randomised, double-blind, placebo-controlled clinical trials

**JAMA**
Implications of higher than expected prevalence of fetal alcohol spectrum disorders
Prevalence of fetal alcohol spectrum disorders in 4 US communities

**BMJ**
Five and 10 minute Apgar scores and risks of cerebral palsy and epilepsy: population based cohort study in Sweden (PDF)
http://www.bmj.com/content/bmj/360/bmj.k207.full.pdf

**Pediatric Infectious Disease Journal**
Epidemiology of sepsis-like illness in young infants: major role of enterovirus and human parechovirus
Prevalence of group b streptococcus in pregnant women in Iran: a systematic review and meta-analysis
Marked underreporting of pertussis requiring hospitalization in infants as estimated by capture–recapture methodology, Germany, 2013–2015
Risk markers for pertussis among infants <4 months of age: understanding the Hispanic disparity

**Pediatric Cardiology**
RCAN1 mutation and functional characterization in children with sporadic congenital heart disease
Surgical ligation versus percutaneous closure of patent ductus arteriosus in very low-weight preterm infants: which are the real benefits of the percutaneous approach?
Further experience with oral paracetamol as a rescue therapy for patent ductus arteriosus in preterm infants

**Pediatric Neurology**
Co-occurrence and severity of neurodevelopmental burden (cognitive impairment, cerebral palsy, autism spectrum disorder, and epilepsy) at age ten years in children born extremely preterm

Congenital cytomegalovirus infection and the occurrence of cystic periventricular leukomalacia

An infant born to a mother with anti–n-methyl-d-aspartate receptor encephalitis

Premature termination of treatment in neonatal herpes simplex virus encephalitis

**Obstetrics and Gynecology**

Preterm delivery and low birth weight among neonates conceived with intracytoplasmic sperm injection compared with conventional in vitro fertilization

Preterm birth and gestational length in four race–nativity groups, including Somali Americans

Potentially preventable stillbirth in a diverse U.S. cohort (PDF)
https://journals.lww.com/greenjournal/Fulltext/2018/02000/Potentially_Preventable_Stillbirth_in_a_Diverse.19.aspx

Reassessing the duration of the second stage of labor in relation to maternal and neonatal morbidity

Third-trimester maternal vaccination against pertussis and pertussis antibody concentrations

Immediate delivery compared with expectant management in late preterm prelabor rupture of membranes: an individual participant data meta-analysis

**American Journal of Obstetrics & Gynecology**

Vaginal progesterone for preventing preterm birth and adverse perinatal outcomes in singleton gestations with a short cervix: a meta-analysis of individual patient data

Dilemmas in genetic counseling for low-penetrance neuro-susceptibility loci detected on prenatal chromosomal microarray analysis

Genetic predisposition to preeclampsia is conferred by fetal DNA variants near FLT1, a gene involved in the regulation of angiogenesis

Prenatal chromosomal microarray analysis in fetuses with congenital heart disease: a prospective cohort study

**Seminars in Pediatric Surgery**

Preface: The NEC Society

Necrotizing enterocolitis: pathophysiology from a historical context

Enhancing NICU parent engagement and empowerment

Changing the paradigm of defining, detecting, and diagnosing NEC: perspectives on Bell's stages and biomarkers for NEC
The science and necessity of using animal models in the study of necrotizing enterocolitis

Development of the necrotizing enterocolitis society registry and biorepository

Human milk and necrotizing enterocolitis

Probiotics and necrotizing enterocolitis

Anemia, red blood cell transfusions, and necrotizing enterocolitis

Neurodevelopmental considerations in surgical necrotizing enterocolitis

Stem cell therapy in necrotizing enterocolitis: current state and future directions

BASIC SCIENCE SELECTIONS

Melatonin attenuated retinal neovascularization and neuroglial dysfunction by inhibition of HIF-1alpha-VEGF pathway in oxygen-induced retinopathy mice

Nutrient fortification of human donor milk affects intestinal function and protein metabolism in preterm pigs

The effect of a single anti-vascular endothelial growth factor injection on neonatal growth and organ development: in-vivo study

Upregulation of vascular endothelial growth factor in amniotic fluid stem cells enhances their potential to attenuate lung injury in a preterm rabbit model of bronchopulmonary dysplasia

Intrauterine inflammation reduces postnatal neurogenesis in the hippocampal subgranular zone and leads to accumulation of hilar ectopic granule cells

Aerosolized deferoxamine administration in mouse model of bronchopulmonary dysplasia improve pulmonary development

Targeting germinal matrix hemorrhage-induced overexpression of sodium-coupled bicarbonate exchanger reduces posthemorrhagic hydrocephalus formation in neonatal rats
ADDITIONAL JOURNAL SELECTIONS

Donor human milk protects against bronchopulmonary dysplasia: a systematic review and meta-analysis

Efficacy of intravitreal bevacizumab for the treatment of zone I type 1 retinopathy of prematurity

Inpatient outcomes of preterm infants receiving omega-3 enriched lipid emulsion (SMOFlipid): an observational study

Probiotics for preterm Infants: a strain specific systematic review and network meta-analysis

Association of retinopathy of prematurity with low levels of arachidonic acid: a secondary analysis of a randomized clinical trial

Incidence of metabolic bone disease in preterm infants of birth weight <1250 g and in those suffering from bronchopulmonary dysplasia