

# *Canadian Preterm Birth Network (CPTBN) Newsletter*



## *Dear Investigators, Collaborators, Supporters, & Colleagues:*

Welcome to our first issue for 2023!

In this issue, we will share updates on CPTBN publications, the success of our 2023 EPIQ Conference after being reunited two years post-pandemic and stay tuned to discover next year's conference info!

### *Sub-Grant Agreements*

Our coordinating centre is processing a no-cost extension for each CPTBN sub-grant agreement (Data Collection (DC) and Quality Improvement (QI) sub-grants) to **September 30th, 2023.**

We have collected from sites Form 300 for the year ending March 2023 and provided sites with an amendment to authorise the ability to use funds until **Sept 30, 2023.**

*Any questions or concerns regarding sub-grant agreements please reach out to Ms. Neha Goswami [Neha.Goswami@sinahealth.ca](mailto:Neha.Goswami@sinahealth.ca)*

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## *Published Manuscripts 2023*

1. Hajjar N et al. Blood culture collection practices in NICU: A national survey. *Paediatr Child Health.*
2. Richter LL et al. Antibiotic use in Canadian neonatal intensive care units: a national survey for developing antimicrobial stewardship targets. *Infect Control Hosp Epidemiol.*
3. Melamed N et al. Neonatal and neurodevelopmental Outcomes of Preterm Twin and Singleton Infants. *J Pediatr.*
4. Mohammad K et al. Variations in Care of Neonates during Therapeutic Hypothermia: Call for Care Practice Bundle Implementation. *Pediatr Res.*
5. Solis-Garcia G et al. Hyperbilirubinemia in preterm infants: peak levels and association with neurodevelopmental outcomes. *J Pediatr.*
6. Zhou Q et al. Fungal infections and neurodevelopmental outcomes at 18-30 months in preterm infants. *Accepted for publication in Frontiers in Pediatrics.*

## *Published Manuscripts 2022*

1. Afifi J et al. Variability in the diagnostic and management practices of post-hemorrhagic ventricular dilatation in very preterm infants across Canadian centers and comparison with European practices. *J Neonatal Perinatal Med.*
2. Afifi J et al. Epidemiology of Post-hemorrhagic Ventricular Dilatation in Very Preterm Infants. *J Perinatol.*
3. Alshaikh B et al. Rates and Determinants of Home Nasogastric Tube Feeding in Infants Born Very Preterm. *J Pediatr.*
4. Bando N et al. Association of postnatal growth changes and neurodevelopmental outcomes in preterm neonates of <29 weeks' gestation. *J Pediatr.*
5. Beltempo M, Shah PS, Lee SK. The Canadian Neonatal Network: development, evolution, and progress. *Pediatric Medicine.*
6. Beltempo M et al; Variations in practices and outcomes of neonates with hypoxic ischemic encephalopathy treated with therapeutic hypothermia across tertiary NICUs in Canada. *J Perinatol.*
7. Gurram Venkata SKR et al; Outcomes of infants with hypoxic-ischemic encephalopathy during COVID-19 pandemic lockdown in Canada: a cohort study. *Childs Nerv Syst.*
8. Kandiraju H et al. Timing of Systemic Steroids and Neurodevelopmental Outcomes in Infants < 29 Weeks Gestation. *Children.*
9. Kharat A et al; Clinical burden associated with therapies for cardio-pulmonary critical decompensation in preterm neonates across Canadian neonatal intensive care units. *Eur J Pediatr.*
10. Zhou Q et al. Decreasing Trend in Incidence of Late Onset Culture Positive Bloodstream Infections but Not Late Onset Meningitis in Preterm Infants <33 Weeks Gestation in Canadian Neonatal Intensive Care Unit. *Neonatology.*

## Continued...

11. Read B et al; Prevention of bronchopulmonary dysplasia: a cross-sectional survey of clinical practices in Canada. *J Perinatol.*
12. Ricci MF et al. Neurodevelopmental Outcomes of Infants at <29 Weeks of Gestation Born in Canada Between 2009 and 2016. *J Pediatr.*
13. Ting JY et al. Antimicrobial utilization in very-low-birth-weight infants: association with probiotic use. *J Perinatol.*
14. Ting JY et al. Practice summary: Antimicrobial therapy for commonly encountered conditions in the neonatal intensive care unit. *Frontier in Pediatrics.*
15. Zozaya C et al. Association of Weight Changes by Three Days after Birth and Mortality and/or Severe Neurological Injury in Preterm Infants < 29 Weeks Gestational Age: A Multicenter Cohort Study. *Children (Basel).*
16. Shah PS et al. Infants born to mothers who were SARS-CoV-2 positive during pregnancy and admitted to NICU. *Neonatology.*
17. Shah V et al. Grading of intraventricular hemorrhage and neurodevelopment in preterm <29 weeks GA in Canada. *Children.*
18. Shah PS et al. Association of Umbilical Blood Gas Values with Mortality and Severe Neurological Injury in Extremely Preterm Neonates: A National Cohort Study. *Am J Obstet Gynecol.*
19. Yeung T et al. The trend in costs of tertiary level Canadian neonatal intensive care for preterm neonates 220/7-286/7 weeks' gestation from 2010 to 2019. *J Pediatr.*

## Ongoing & Completed Projects

1. Boucoiran I & Atallah A et al. Performance of Clinical Chorioamnionitis Criteria for Predication of Early-Onset Neonatal Sepsis in Preterm Birth <34 Weeks of Gestation
2. Klam S & Abenhaim H et al. Delayed Cord Clamping in Monochorionic-Diamniotic Twin Pregnancies: A Retrospective Cohort Study Research Protocol
3. McDonald S & Shinjo D et al. Breech and Cephalic Mode of Birth of Extremely Preterm Infants Using an Existing Database
4. Pylypjuk C et al. In Canada, which pregnant women delivering preterm are at risk of not receiving antenatal steroids?
5. Pylypjuk C & Ricci MF et al. The Influence of Preterm Prelabour Rupture of Membranes on Neonatal and Neurodevelopmental Outcomes Amongst Preterm Babies Born in Canada
6. Yeung T et al. Understanding the Costs of Extreme Prematurity in Canada: Analysis of the Variation Between Units and Changes Over Time between 2010 and 2018.



## *Upcoming Projects*

Kamini R et al. School-aged Outcomes in Very Preterm Infants in Ontario: A Pilot Database Study

Kashkari H et al. Umbilical Cord Management in Preterm Infants Born by Cesarean Delivery

### ***Thinking of New Research Ideas?***



**We invite calls for proposals for utilizing CNN/CNFUN/CPTBN data!  
Please send your research question to Prakesh Shah, Marc Beltempo or  
Neha Goswami first before working on a protocol.**



# 2023 MiCare Conference



**CNF - EPIQ Best Poster Award  
awarded to the EPIQ team  
at IWK Health Centre!**



**CNN Early Career Investigator Award  
awarded to Dr. Telford Yeung!**



**CNF - EPIQ Poster Merit Award  
awarded to the EPIQ team  
at Montreal Children's Hospital!**

The Annual National Neonatal-Perinatal EPIQ Conference is back and better than ever! After two long years, this year's conference was held in Toronto with over 250 in-person attendees from all around Canada + 100 national and international attendees who joined live virtually.

The conference was jam-packed with amazing Canadian keynote speakers in neonatology, obstetrics, and our parent partners. Emerging hot topics were presented such as the use of Artificial Intelligence (AI) in quality improvement. We are excited to be in collaboration with the Canadian Premature Babies Foundation (CPBF) which included parent speakers sharing their lived experiences, parent led quality improvement workshop and a panel discussion! As well as our usual program of elevator pitches, poster sessions and breakout sessions. It was amazing to see sites, collaborators, co-workers, friends reunite and share their works on their quality improvement initiatives.



**EPIQ Poster Session**



**CPBF Parent Engagement Panel**



**EPIQ Quality Improvement Workshop**



# 2024 MiCare Conference

## *Save the date!*



 **Banff  
Centre**

**FEBURARY 2024**



OFFERING  
VIRTUAL OPTIONS!

EPIQ Workshop - Feb 10th

EPIQ Conference - Feb 10th - 12th

CNN/CPTBN Annual Meeting - Feb 12th - 13th

REGISTRATIONS OPEN EARLY FALL CHECK OUR  
[EVENT WEBSITE](#) FOR UPDATES!

# Happy Canada's Day!



## *Maternal-Infant Care Research Centre (MiCare)*

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