Check out what's new in the Cochrane Neonatal Review Group.

Cochrane Neonatal Review Group
Newsletter, May 2014

Mission Statement

The Cochrane Neonatal Review Group (CNRG) is one of over 50 collaborative review groups of the Cochrane Collaboration. As the Neonatal Review Group, we prepare and disseminate evidence-based, regularly updated reviews of the effects of therapies in neonatal-perinatal medicine.

Funding from The National Institute of Child Health and Human Development (USA) supports our work. Click here to read our mission statement in full.

Upcoming Events

June 11, 2014
CNRG Webinar:
Oxygen Saturation Targeting,
Evidence from Systematic
In Memoriam: Jack Sinclair

John Collinson Sinclair MD,
Neonatologist
September 27th 1933 to May 2nd 2014

John C. Sinclair, Jack to friends and colleagues around the world, died peacefully in Toronto on May 2\textsuperscript{nd} 2014 with Suzanne, his wife of 55 years, and his family by his side. Jack died from cancer for which, after reviewing all the best evidence, he decided palliative care was in his particular case the better option.

Jack’s interest in evidence-based medicine was obvious from the beginning of his career. Under the tutelage of Bill Silverman at Columbia University in the nineteen sixties, Jack conducted some of the first randomized trials in neonatology. He studied the effect of oxygen breathing and assisted ventilation to correct hypoxemia and managing respiratory distress in a respirator. He brought early attention to the importance of experimental design in studying newborn babies.

While on sabbatical in Oxford in 1986, he accepted an invitation from Iain Chalmers to prepare a text using systematic reviews based on the neonatal trials collected in the Oxford Data Base of Perinatal Trials. In 1992 this was published as “Effective Care of the Newborn Infant” which is now recognized as one of the formative texts in the evidence-based medicine paradigm. In 1993 Jack became the first co-ordinating editor of the Cochrane Neonatal Reviews.

Web Seminars

The CNRG offers semiannual, free web seminars on current topics in neonatology.

Upcoming Webinar:
Oxygen Saturation Targeting, Evidence from Systematic Reviews

- June 11, 2014 at 12:00 EST
- Registration is now open and CMEs are available for this free webinar. Click here to register.

Past Webinars:

Click on the links below to view past webinars.

October 2013 - "Prebiotics and Probiotics: Evidence from Systematic Reviews" Presented by Roger Soll, MD with guest

http://us7.campaign-archive2.com/?u=234c869138e62bc49d96d140a&id=a3e92736be&e=... 5/19/2014
Review Group, the third clinical specialty group to join the Cochrane Collaboration which to date has published over 300 systematic reviews in neonatology. Many of these reviews have demonstrably improved clinical practice in neonatology across the globe and Jack is quite properly considered to be one of the fathers of evidence-based neonatology which became a model for evidence-based practice throughout all of medicine.

Jack exemplified the three cornerstones of an outstanding academic clinician: caring physician, enlightened teacher, and meticulous researcher. Indeed, he was the professor’s professor; an email from Jack with a gentle inquiry would lead to a new way of looking at data, or at the world. His gentle critique of a systematic review became a minor treatise on evidence-based reporting.

Recruited from Columbia to McMaster University in 1970 to establish one of the first Canadian neonatal specialist centers, Jack influenced the way doctors thought about the evidence supporting the manner in which these small patients are treated. He retired from McMaster in 1999 but, still at the top of his academic powers, Jack continued teaching at Yale University and the University of Texas at Houston. Even after retiring from these posts, Jack continued until he died to mentor junior colleagues.

Jack was honored by his profession, receiving the Ross Award from the Canadian Pediatric Society, the Rosén von Rosenstein Medal from the Swedish Pediatric Society and both the Neonatal Education and Virginia Apgar Awards from the American Academy of Pediatrics. In a rare academic distinction, Jack was honored by McMaster University with an Endowed Chair in Neonatology in his name. For all his professional laurels, Jack was a humble man, dedicated to his vegetable patch, untangling the knots from his fishing line, and enjoying telling and retelling an amusing story from a seemingly endless collection of anecdotes. He was a natural raconteur and it only took a decent meal and a good bottle of wine to uncork the stories. Jack was proud of his country of birth but was late in acquiring the ubiquitous summer cottage. Nonetheless, his Canadian DNA resulted in

discussants Keith Barrington, MD and Annie Janvier, MD

March 2013 - "Blood transfusion policy and erythropoietin: Evidence from systematic review" Presented by Roger Soll, MD with guest discussants Haresh Kirpalani, MD, Arne Ohlsson, MD, Tonse Raju, MD and Robin Whyte, MD

November 2012 - "Inhaled nitric oxide in term and preterm infants" Presented by Roger Soll, MD with Keith Barrington, MD and Neil Finer, MD

June 2012 - "Current evidence for cooling in hypoxic ischemic encephalopathy" Presented by Roger Soll, MD with Marie Berg, MD and Robert Pfister, MD

February 2012 - "Delivery room management in extremely low birth-weight infants: what do the Cochrane reviews tell us?" Presented by Roger Soll, MD

November 2011 - "What has the Cochrane Collaboration done for babies?" Presented by Roger Soll, MD
a rapid adoption of the lifestyle and provided a perfect backdrop for his sociability and the gathering of his adored family.

Jack Sinclair's legacy to the evidence-based medicine movement, the Cochrane Collaboration and to neonatology will endure. To his family and friends, this gentle man will never be forgotten.

Editorial Staff

Click here for an introduction to our team.

Welcome Maria Ximena Rojas-Rejes

We are happy to announce Maria Ximena Rojas-Reyes has joined our team as an associate editor, specializing in the creation of GRADE SoF tables for inclusion in Cochrane Systematic Reviews. As a long-time nurse, clinical researcher, author and member of Cochrane's GRADE SoFT Network, Maria brings a great deal of expertise with her to our group.

New from Cochrane

Neonatal Podcasts
The Cochrane Child Health Field has produced a podcast highlighting evidence from CNRG reviews entitled: "Corticosteroids for the prevention of bronchopulmonary dysplasia in preterm infants: an overview of Cochran reviews." Click here to listen.

Cochrane in the News

Commentaries in Neonatology
Click to read Dr. Roger Soll's most recent commentary in Neonatology on: Prophylactic Systemic Antifungal Agents to Prevent Mortality and Morbidity in Very Low Birth Weight Infants, an updated review by Nicola Austin and William McGuire.

Who's Talking About Us
Evidently Cochrane Blog: "Relieve baby's pain without drugs."

The Evidently Cochrane Blog discussed three of our recent reviews in an article about infants and pain.

World Health Organization: Reproductive Health Library
The Reproductive Health Library of the World Health Organization offers both summaries and commentaries on many Cochrane Neonatal Reviews. View their neonatal library [here](#).

**Other Reviews in the News**

- **Longchain polyunsaturated fatty acid supplementation in preterm infants** and **Probiotics for prevention of necrotizing enterocolitis in preterm infants** were cited in many places, including *The World Review of Nutrition and Dietetics*' "**Nutritional Care for Preterm Infants: Scientific Basis and Practical Guidelines.**"

- **Kangaroo mother care to reduce morbidity and mortality in low birthweight infants**: cited in many journals, including the *Newborn and Infant Nursing Reviews*.

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**What's New**


**Review Updates Published:**

1. Early (< 8 days) postnatal corticosteroids for preventing chronic lung disease in preterm infants
2. Early erythropoietin for preventing red blood cell transfusion in preterm and/or low birth weight infants
3. Formula versus donor breast milk for feeding preterm or low birth weight infants
4. Higher versus lower protein intake in formula-fed low birth weight infants
5. Kangaroo mother care to reduce morbidity in low birthweight infants
6. Late (> 7 days) postnatal corticosteroids for chronic lung disease in preterm infants
7. Late erythropoietin for preventing red blood cell transfusion in preterm and/or low birth weight infants
8. Physical activity programs for promoting bone mineralization and growth in preterm infants
9. Probiotics for prevention of necrotizing enterocolitis in preterm infants

Protocols Published:

1. Antimicrobial dressings for the prevention of catheter-related infections in newborn infants with central venous catheters
2. Antimicrobial-impregnated central venous catheters for prevention of catheter-related bloodstream infection in newborn infants
3. Frenotomy for tongue-tie in newborn infants
4. Protocolized versus non-protocolized weaning for reducing the duration of invasive mechanical ventilation in newborn infants
5. Strategies for the withdrawal of humidified high flow nasal cannulae (HHFNC) in preterm infants
6. Topical oils for the prevention or treatment of dry skin in term infants
7. Transcutaneous screening for hyperbilirubinemia in neonates

Titles Registered:

1. Antibiotics at the time of removal of central venous catheter to reduce morbidity and mortality in newborn infants
2. Efficacy of different probiotics for preventing morbidity and mortality in preterm infants: a network meta-analysis
3. Estimation of procalcitonin levels for the diagnosis of sepsis in infants
4. Gastrografin for treatment of meconium plug or meconium ileus in term and preterm infants
5. Late surfactant therapy for prevention of bronchopulmonary dysplasia in preterm infants
6. Mesenchymal Stem Cells for the prevention and treatment of bronchopulmonary dysplasia in preterm infants
7. Needle aspiration versus intercostal tube drainage for pneumothorax in the newborn
8. Prophylactic theophylline or aminophylline for prevention of renal dysfunction in newborns with perinatal asphyxia
9. Propranolol for treatment of retinopathy of prematurity in preterm infants
10. Topiramate for preventing mortality and morbidity in full term newborns with perinatal asphyxia
11. Use of fresh frozen plasma to prevent intraventricular haemorrhage in premature neonates

Accessing Cochrane Neonatal Reviews

Would you like to read one of the reviews or updates listed above?
Visit our [website](https://www.cochranelibrary.com) or the [The National Institute of Child Health and Human Development website](https://www.nichd.nih.gov) to see a list of our reviews and to download full reviews.

How to Become a Review Author

- Cochrane offers [online training materials](https://www.cochranelibrary.com) for review authors.
- Cochrane Centers around the world offer [regional training and support](https://www.cochranelibrary.com) as well as [workshops](https://www.cochranelibrary.com) for review authors.
- To learn more about becoming a Cochrane Neonatal Review Group author, click [here](https://www.cochranelibrary.com).