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# Cochrane Neonatal

Newsletter, April 2015

## 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.

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## Editorial Staff

Click [here](#) for an introduction to our team.

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## Cochrane News

### Priority Topics for Reviews

Cochrane has released a priority review list for 2015-16 of "either new titles or reviews requiring updates, that best meet the needs of healthcare and health policy decision makers."

The list includes seven neonatal reviews, including:



1. Chlorhexidine skin or cord care for prevention of mortality and infections in neonates - [new review published March 2015](#)
2. Comparison of animal-derived surfactants for the prevention and treatment of respiratory distress syndrome in preterm infants - [new review soon to be published](#)
3. Cooling for newborns with hypoxic ischaemic encephalopathy - [updated review soon to be published](#)
4. Diagnostic accuracy of pulse oximetry screening for critical congenital heart defects - [new review soon to be published](#)
5. Anti-vascular endothelial growth factor (VEGF) drugs for treatment of retinopathy of prematurity - [new review soon to be published](#)
6. Probiotics for prevention of necrotizing enterocolitis in preterm infants - [review update under construction](#)
7. Effects of targeting higher versus lower arterial oxygen saturations on death or disability in preterm infants - [new review under construction](#)

More information about the project and a complete list of priority Cochrane Reviews can be found [here](#).

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## 2015 Cochrane Colloquium Vienna

*Filtering the information overload for better decisions*  
October 3-7, 2015

We'd love to see you there. Follow the link for further information about the [Colloquium and Registration](#).

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## Cochrane Neonatal News

### Upcoming Events

#### April 23-24, 2015

Guideline Development - GRADE Approach  
*Portland, OR, USA*  
Click [here](#) for more information.

#### April 23-24, 2015

Cochrane UK & Ireland Annual Symposium  
*Dublin, Ireland*  
Click [here](#) for more information.

#### May 13-15, 2015

Introduction to Writing a Cochrane Review  
*Adelaide, Australia*  
Click [here](#) for more information.

#### May 15, 2015

Free Webinar: Effective care of NEC  
*12:00 EST*  
Click here to [register](#).

#### May 25-29, 2015

Review Completion Workshop  
*Melbourne, Australia*  
Click [here](#) for more information.

#### May 28-29, 2015

Step by Step Cochrane Reviews for New Authors  
*Culiacán, Sinaloa, México*  
Click [here](#) for more information.

#### June 12-14, 2015

Cochrane Review Completion and Update Workshop & Developing a Systematic Review Using Cochrane Methods  
*Jeju Island, Korea*  
Click [here](#) for more information.

#### June 15, 2015

Applying the Cochrane Risk of Bias Assessment Tool for Non-Randomized Studies



## Welcome Oscar!

CNRG Managing Editor Yolanda Brosseau welcomed her son Oscar into the world on February 15th.

Mom and baby are doing well.

## Newest Webinar Available Online

In February, we held our 10th neonatal webinar. Click below to watch the recorded webinar.

[Overview of surfactant treatment: Evidence from systematic reviews](#)

## Mark Your Calendars . . . Upcoming Cochrane Neonatal Webinars:

Our webinars aim to disseminate information gleaned from Cochrane Neonatal Reviews. The webinars are free and CMEs are available.

May 15, 2015 at 12:00 EST

Effective care of necrotizing enterocolitis: Evidence from

*Jeju Island, Korea*

Click [here](#) for more information.

**June 16-19, 2015**

Nottingham Systematic Review Course

*Nottingham, UK*

Click [here](#) for more information.

**June 24-26, 2015**

Introduction to Writing a Cochrane Review

*Gold Coast, Australia*

Click [here](#) for more information.

**July 1-3, 2015**

Systematic Reviews and Meta-analyses of Diagnostic Test Accuracy

*Birmingham, UK*

Click [here](#) for more information.

**October 3-7, 2015**

Cochrane Colloquium 2015

*Vienna, Austria*

Click [here](#) for more information.

\*\*Additional Asia-Pacific Region Workshops: Click [here](#).

## Web Seminars

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

### Past Webinars:

Click on the links below to view past webinars.

February 2015 - "[Overview of surfactant treatment: Evidence from systematic reviews](#)" Presented by Roger Soll, MD

## systematic reviews

Presented by CNRG Coordinating Editor, Dr. Roger Soll, with guest discussant, Dr. Kathleen A. Kennedy  
[Registration is now open.](#)

October 28, 2015 at 12:00 EST

## Diagnostic Test Accuracy (DTA): Screening for neonatal sepsis

[More details to come.](#)

## Publication of anticipated review:

### ***Chlorhexidine skin or cord care for prevention of mortality and infections in neonates***

"A low-cost antiseptic used to cleanse the cord after birth could help reduce infant death rates in developing countries by 12%, a systematic review published in the Cochrane Library suggests.

Authors of the review found that when chlorhexidine was used on babies born outside of a hospital, it reduced the number of newborn babies who died or suffer from infections." ~ *Evelyn Martinez, Senior Publicist, Wiley*

This is one of our seven 2015-16 priority reviews. Click to read the remainder of the [Cochrane press release](#) or [the full review](#).

## What's New

Issue 12, 2014 – Issue 3, 2015

### New Reviews Published:

1. Sound reduction management in the neonatal intensive care unit for preterm or very low birth weight infants
2. Videolaryngoscopy versus direct laryngoscopy for tracheal intubation in neonates

October 2014 - "[Diagnostic Test Accuracy Reviews: Screening for Critical Congenital Heart Defects in Neonates Using Pulse Oximetry](#)" with guest discussants Gautham Suresh, MD, and Andrew Ewer, MD

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

3. Chlorhexidine skin or cord care for prevention of mortality and infections in neonates
4. Paracetamol (acetaminophen) for patent ductus arteriosus in preterm or low-birth-weight infants

### Review Updates Published:

1. Delayed introduction of progressive enteral feeds to prevent necrotising enterocolitis in very low birth weight infants
2. Glutamine supplementation for young infants with severe gastrointestinal disease
3. Restricted versus liberal water intake for preventing morbidity and mortality in preterm infants
4. Slow advancement of enteral feed volumes to prevent necrotising enterocolitis in very low birth weight infants
5. Surfactant for meconium aspiration syndrome in term and late preterm infants
6. Ibuprofen for the treatment of patent ductus arteriosus in preterm or low birth weight (or both) infants
7. Inositol in preterm infants at risk for or having respiratory distress syndrome
8. Oral lactoferrin for the prevention of sepsis and necrotizing enterocolitis in preterm infants
9. Pentoxifylline for treatment of sepsis and necrotizing enterocolitis in neonates
10. Elective high frequency oscillatory ventilation versus conventional ventilation for acute pulmonary dysfunction in preterm infants
11. Intravenous immunoglobulin for suspected or proven infection in neonates

### Protocols Published:

1. Prostaglandin E1 for maintaining ductal patency in neonates with ductus-dependent cardiac lesions
2. Fluid restriction in the management of transient tachypnea of the newborn
3. Frequency of endotracheal suctioning for the prevention of respiratory morbidity in ventilated newborns

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

February 2011 - "[Systematic Reviews and Meta-Analysis in Neonatal Perinatal Medicine](#)" Presented by Roger Soll, MD

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## CNRG Down Under:

## The Cochrane Neonatal Review Group has a satellite team in Australia.

Email [Lisa Jones](mailto:Lisa.Jones@cochrane.org) for information regarding how the Australasian team supports the efforts of the Cochrane Neonatal Review Group.

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## Erratum:

The December 2014 Newsletter mentioned the review, *Ibuprofen*

4. Transcutaneous carbon dioxide monitoring for the prevention of neonatal morbidity and mortality
5. Washed versus unwashed red blood cells for transfusion for the prevention of morbidity and mortality in preterm infants
6. Cerebral near-infrared spectroscopy monitoring for prevention of brain injury in very preterm infants
7. Vitamin D supplementation for prevention of vitamin D deficiency in preterm and low birth weight infants

### **Titles Registered:**

1. Direct antiglobulin (Coombs) test for predicting risk of hemolysis in newborns
2. Glucose for the management of procedural pain in neonates
3. Higher versus lower sodium intake in preterm infants
4. Immediate versus early surfactant replacement therapy for infants at risk of respiratory distress syndrome
5. Provision of respiratory support prior to cord clamping for preterm infants
6. Short term versus long term use of percutaneously inserted central catheters for prevention of infection in newborn babies
7. Sweet solutions for newborns undergoing painful procedures

*for the treatment of patent ductus arteriosus in preterm or low birth weight (or both) infants; however, the included link was incorrect. Click [here to access the review](#).*

Of special note, this review was just updated and will post to the NICHD site in May. In the meantime, an abbreviated version of the February 2015 update can be accessed [here](#).

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## Accessing Cochrane Neonatal Reviews

Would you like to read one of the reviews or updates listed above?

Visit our [website](#) or the [The National Institute of Child Health and Human Development website](#) to see a list of our reviews and to download full reviews.

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## How to Become a Review Author

- Cochrane offers [online training materials](#) for review authors.

- Cochrane Centers around the world offer [regional training and support](#) as well as [workshops](#) for review authors.
- To learn more about becoming a Cochrane Neonatal Review Group author, click [here](#).

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Newsletter, March 2015

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