



# **THE COCHRANE ANAESTHESIA, CRITICAL AND EMERGENCY CARE GROUP**

January 2017 to May 2018

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## Welcome to the 2017 to May 2018 ACE annual report

We are proud to present Cochrane Anaesthesia, Critical and Emergency Care Group's (ACE's) achievements for January 2017 to May 2018.

We met our 2016 goal of fewer, better reviews. We published 16 reviews, 6 updates and 7 protocols in 2017, and so far in 2018 have published 4 reviews, 3 updates and 1 protocol.

This was due to stringent changes in the way we edited our reviews, following the new Cochrane [rejection policy](#) which was brought in, in 2017. We continue to hold our successful monthly Editorial Board screening teleconferences. We find this to be an efficient way to get feedback from our content and statistical editors. A decision is made during the teleconference as to whether the manuscript can proceed immediately to peers with minor edits; whether it needs a major revision; or cannot proceed any further in the editorial process. This has helped improve the quality of our reviews; allowing us to concentrate on priority topics.

This year has seen us being involved in the NICE guideline for perioperative care in adults. We are also registered as stakeholders in the following NICE guidelines: Rehabilitation after traumatic injury, and Rehabilitation after critical illness in adults. While one of our [reviews](#) has been identified as being relevant to the development of NICE termination of pregnancy guideline.

During the [2018 Patient Safety Movement](#) in London in February, one of our reviews<sup>1</sup> was discussed in front of an international audience, many from North America, of approximately 300 healthcare leaders, and policymakers.

All of our achievements, past and present, have been made possible by the leadership of Ann Møller, and Nathan Pace. Ann has been our Co-ordinating Editor for 15 years, and Nathan for seven years. They both were involved from the very beginning of the Group in 2000.

The Cochrane Steering Group has decided to reorganize the review groups' structure, and function. As part of that re-organization Cochrane is dividing ACE into two new groups: Cochrane Anaesthesia, and Cochrane Emergency and Critical Care. Ann and Nathan have stepped down as Co-ordinating Editors of ACE. They will continue their involvement as Statistical, and Content Editors for the two new Groups. These two new Groups will be led by Andy Smith, and Harald Herkner, who have previously been Editors with ACE, for many years.

We are excited to embark on this new chapter with our new Co-Eds, and would like to thank Ann, and Nathan for their wonderful contributions as Co-ordinating Editors of ACE. We are indebted to them. None of this would have been possible without them.

Although the leadership of the Group is changing, the Editorial base staff (Jane and Janne), will continue as before, and will support both Groups.

*Copenhagen, May 2018*

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<sup>1</sup> Walker KJ, Smith AF. Premedication for anxiety in adult day surgery. Cochrane Database of Systematic Reviews 2009, Issue 4. Art. No.: CD002192. DOI: 10.1002/14651858.CD002192.pub2

## **Cochrane Networks**

Cochrane has created eight new Networks of Cochrane Review Groups (CRGs) responsible for the efficient and timely production of high-quality systematic reviews that address the research questions that are most important to decision makers.

The eight networks are Acute and Emergency Care; Brain, Nerves and Mind; Cancer; Children and Families; Circulation and Breathing; Long-term Conditions and Ageing Network 1 and Long-term Conditions; Ageing Network 2; and Public Health and Health Systems.

Cochrane Anaesthesia, and Cochrane Emergency and Critical Care are part of the Acute and Emergency Care Network. This Network is made up of the following Review Groups

- Acute Respiratory Infections
- Anaesthesia
- Bone, Joint and Muscle Trauma
- Emergency and Critical Care
- Injuries

Michael Brown is the senior editor of the network, and the associate editor is Liz Bickerdike.

We will work closely with them to improve the quality of our reviews, and will attend regular Network meetings in addition to monthly CRG Editorial Board screening teleconferences.

## **Splitting ACE into Cochrane Anaesthesia, and Cochrane Emergency and Critical Care**

Part of the 'splitting' process will involve determining which ACE title belongs to Cochrane Anaesthesia, and which to Cochrane Emergency and Critical Care. That activity will take some time. Whilst we are in the 'transition' process, which we estimate may take to the end of the year, neither Group will be registering any new titles, or accepting 'new' updates. In keeping with our goal of fewer and better reviews, we are developing a priority setting over the next few months, which will identify priority review questions, and areas where further research is needed. That prioritization process will take some time, and will involve the Co-Eds, Senior and Associate Network Editors, Managing Editor, and Information Specialist.

## **Editorial Office**

Our Editorial Office is located at Herlev Hospital, Herlev, Denmark and consists of:

Ann M. Møller, Professor of Anaesthesiology ACE Co-ordinating Editor (until May 2018)  
from May 2018 onwards Financial Director and Content Editor

Nathan Pace, Professor of Anaesthesiology ACE Co-ordinating Editor (until May 2018)  
from May 2018 Senior Statistical Editor

Andrew Smith, Professor of Anaesthesia, Co-ordinating Editor, Cochrane Anaesthesia  
from May 2018 onwards

Harald Herkner, Professor of Emergency Medicine, Co-ordinating Editor, Cochrane  
Emergency and Critical Care from May 2018 onwards

Jane Cracknell, Managing Editor, Cochrane Anaesthesia, and Cochrane Emergency and Critical Care

Janne Vendt, Information specialist, Cochrane Anaesthesia, and Cochrane Emergency and Critical Care

## **Our Editors**

Our Editors come from all over the world:

### CONTENT EDITORS

Arash Afshari, Denmark

Mike Bennett, Australia

Bronagh Blackwood, UK

Javier Eslava-Schmalbach,  
Colombia

Anna Lee, Hong Kong SAR

Mark Neuman, USA

Nicola Petrucci, Italy

### CONSUMER EDITOR

Janet Walsh, Australia

### FEEDBACK EDITOR

Bronagh Blackwood, UK

### STATISTICAL EDITORS

Vibeke Horstmann, Sweden

Marialena Trivella, UK

Cathal D Walsh, Ireland

Jing (Sophia) Xie, Australia

Nathan Pace, USA

We would like to express our thanks to the following editors for their contribution to the Group, Rodrigo Cavallazzi, USA, Asieh Golzar, USA and Stephan Kettner, Austria.

## **We achieved the following goals in 2017 to May 2018**

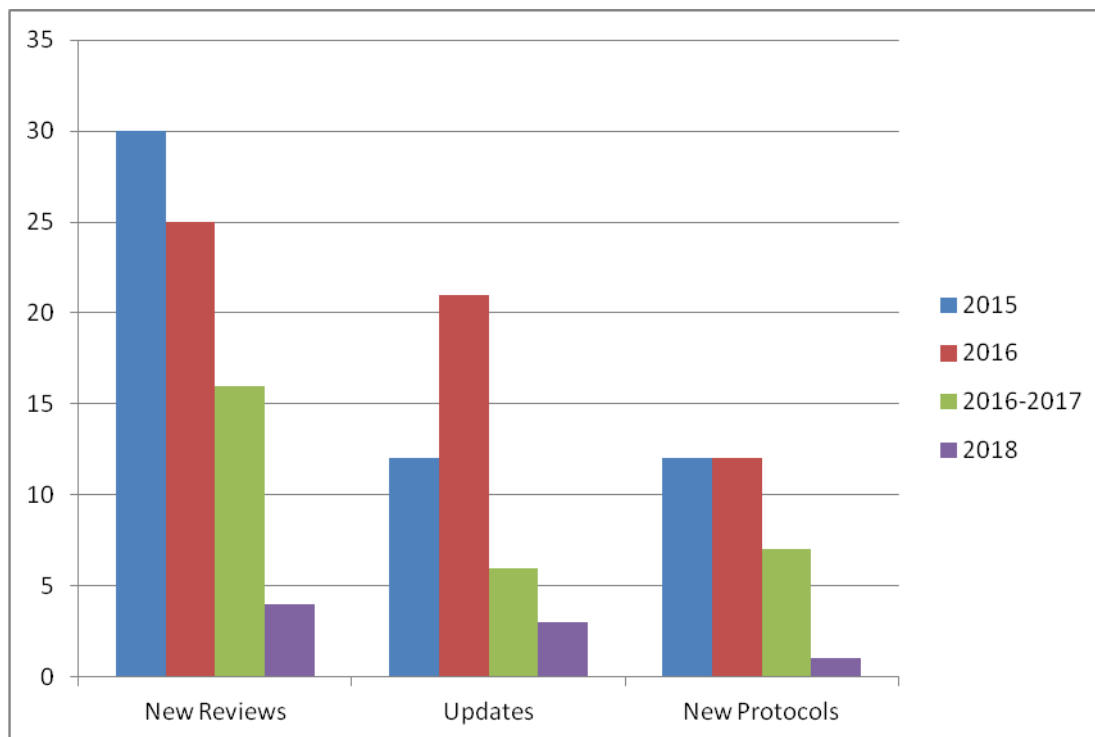
- We held monthly editorial screening teleconferences to improve the quality of our protocols and reviews
- We held an editors' meeting in Verona October 2017

## **Editor meeting Verona, Italy 9th to 12th October 2017**

We held a very successful editors' meeting in Verona, which was attended by the majority of our editors. We used this meeting as an opportunity for professional development, to share knowledge of diverse range of subjects such as qualitative reviews and mixed methods; core outcome sets; different statistical analyses; how we can improve the editorial process, and the quality of our reviews.



## ACE publications 2015 to April 2018



The above graph demonstrates a decrease in the number of published reviews since we focused on our publishing goal of 'fewer, better reviews'.

We would like to thank each and every one of our authors who contributed to our publication success in 2017 to April 2018.

## Citation rate

In 2016, 85 of our reviews were cited in total 448 times. Note that the year is a year behind as the number of citations cannot be calculated until all publications have been processed by the indexing agency.

### Our 10 most cited reviews in 2016 were

<b>Review Title</b>	<b>Times cited</b>
Femoral nerve blocks for acute postoperative pain after knee replacement surgery (CD009941.pub2)	17
Bispectral index for improving anaesthetic delivery and postoperative recovery (CD003843.pub3)	17
Preoperative carbohydrate treatment for enhancing recovery after elective surgery (CD009161.pub2)	15
Early versus late tracheostomy for critically ill patients (CD007271.pub3)	14
Daily sedation interruption versus no daily sedation interruption for critically ill adult patients requiring invasive mechanical ventilation (CD009176.pub2)	14
Neuraxial blockade for the prevention of postoperative mortality and major morbidity: an overview of Cochrane systematic reviews (CD010108.pub2)	14
Beta lactam antibiotic monotherapy versus beta lactam (CD003344.pub3)	14
Continuous intravenous perioperative lidocaine infusion for postoperative pain and recovery (CD009642.pub2)	13
Effects of sevoflurane versus other general anaesthesia on emergence agitation in children (CD007084.pub2)	11
Continuous positive airway pressure (CPAP) during the postoperative period for prevention of postoperative morbidity and mortality following major abdominal surgery (CD008930.pub2)	11

**Our 10 most accessed Cochrane Systematic Reviews in 2016 were**

CD008808.pub2	Non-pharmacological interventions for sleep promotion in the intensive care unit	4,282
CD006058.pub3	Incentive spirometry for prevention of postoperative pulmonary complications in upper abdominal surgery	4,090
CD009642.pub2	Continuous intravenous perioperative lidocaine infusion for postoperative pain and recovery in adults	3,789
CD006908.pub2	Music interventions for preoperative anxiety	3,568
CD004128.pub4	Hypothermia for neuroprotection in adults after cardiopulmonary resuscitation	3,088
CD012317	Intravenous versus inhalational maintenance of anaesthesia for postoperative cognitive outcomes in elderly surgical patients	3,038
CD000521.pub3	Anaesthesia for hip fracture surgery in adults	2,840
CD002243.pub3	Corticosteroids for treating sepsis	2,817
CD008095.pub2	Prone position for acute respiratory failure in adults	2,610
CD009176.pub2	Daily sedation interruption versus no daily sedation interruption for critically ill adult patients requiring invasive mechanical ventilation	2,553



## **Collaboration between ACE and the UK National Institute for Health Research (NIHR)**

The University Hospitals of Morecambe Bay NHS Trust (UHMB) UK have been awarded two National Institute for Health Research (NIHR) and Cochrane Collaboration Programme Grants, to produce a series of systematic reviews on the safety and quality of perioperative care and recovery after surgery and critical illness. The team is based in Lancaster, UK and led by Andrew Smith (ACE editor, Co-ordinating Editor Cochrane Anaesthesia, and Director, Lancaster Patient Safety Research Unit). We provide editorial support for these reviews.

In 2017 to April 2018 the NIHR/Cochrane published two new reviews and new protocol.

### **New reviews:**

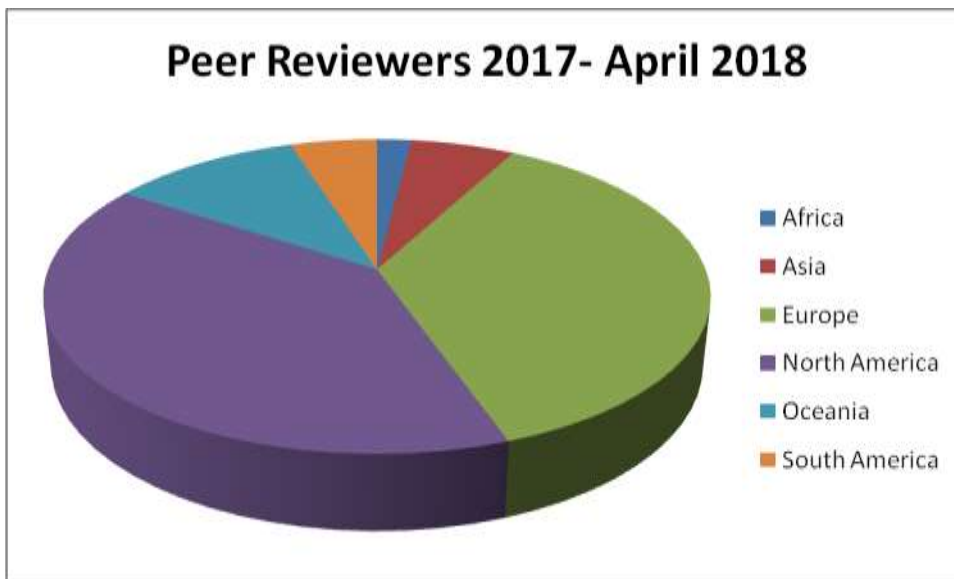
1. Corley A, Rickard CM, Aitken LM, Johnston A, Barnett A, Fraser JF, Lewis SR, Smith AF. High-flow nasal cannulae for respiratory support in adult intensive care patients. Cochrane Database of Systematic Reviews 2017, Issue 5. Art. No.: CD010172. DOI: 10.1002/14651858.CD010172.pub2
2. Lewis SR, Schofield-Robinson OJ, Alderson P, Smith AF. Propofol for the promotion of sleep in adults in the intensive care unit. Cochrane Database of Systematic Reviews 2018, Issue 1. Art. No.: CD012454. DOI: 10.1002/14651858.CD012454.pub2

### **New protocols:**

1. Lewis SR, Alderson P, Smith AF. Continuation versus discontinuation of antiplatelet therapy for bleeding and ischaemic events in adults undergoing non-cardiac surgery (Protocol). Cochrane Database of Systematic Reviews 2017, Issue 3. Art. No.: CD012584. DOI: 10.1002/14651858.CD012584

## Peer reviewers

Our peer reviewers come from all over the world. Below you can see the distribution of our peer reviewers in the different continents.



We would like to thank all the peer reviewers who have contributed to the ACE peer review process. Special thanks go to the following peer reviewers who contributed to the editorial process of a protocol or review published or withdrawn in 2017 to April 2018:

### Peer reviewers Africa

- Mahmoud B Alhassan (Nigeria)
- Andrit Lourens (South Africa)

### Peer reviewers Asia

- Chi Wai Cheung (Hong Kong)
- Sui Cheung Yu (Hong Kong)
- Cheuk San Law (Hong Kong)
- Fakher Rahim (Iran)
- Yuka Ishikawa (Japan)
- Matiram Pun (Nepal)
- Marissa M Alejandria (Philippines)
- Yodying Punjasawadwong (Thailand)

### Peer reviewers Europe

- Martin Burtscher (Austria)
- Martin Hoenigl (Austria)
- Maya Keplinger (Austria)
- Birgitte Brandstrup (Denmark)
- Katrine Buggeskov (Denmark)
- Domenico Prisco (Italy)
- Jan-Uwe Schreiber (Netherlands)
- Winnie Schats (Netherlands)
- Antonio M Esquinas (Spain)
- R. Peter Alston (UK)

- Thomas Dahl Nielsen (Denmark)
- Thomas Fichtner Bendtsen (Denmark)
- Martin Kryspin Sørensen (Denmark)
- Pekka Tarkkila (Finland)
- Emmanuel Boselli (France)
- Pierre Diemunsch (France)
- Jean-Pierre Estebe (France)
- Samir Jaber (France)
- Jacques Ripart (France)
- Ernst-Peter Horn (Germany)
- Thomas Mencke (Germany)
- Peter Schlattmann (Germany)
- Argyro Fassoulaki (Greece)
- Davide Chiumello (Italy)
- Tim Cook (UK)
- Michael Desborough (UK)
- Brett Doleman (UK)
- Pierre Foex (UK)
- Ben Gibbison (UK)
- Andrew MacDuff (UK)
- Nick Maskell (UK)
- Andrew Moore (UK)
- Martyn Parker (UK)
- Subrahmanyam Radhakrishna (UK)
- Santosh Rath (UK)
- Jutta Scheffczik (UK)
- Vaughan Thomas (UK)

### **Peer reviewers North America**

- Faraj Abdallah (Canada)
- Neill Adhikari (Canada)
- Miguel Arango (Canada)
- Stephen Choi (Canada)
- Frances Chung (Canada)
- Kyle Grant (Canada)
- Stephen Halpern (Canada)
- Angela Jerath (Canada)
- Alka Kaushal (Canada)
- Hamdy Awad (USA)
- John Bach (USA)
- Benjamin Chousterman (USA)
- Howard Corwin (USA)
- Douglas Coursin (USA)
- Nayan Desai (USA)
- David Dickerson (USA)
- Jacqueline Dienemann (USA)
- Aaron Donoghue (USA)

- Sandra Marini (Canada)
- Laveena Munshi (Canada)
- Tom Overend (Canada)
- Bram Rochweg (Canada)
- Nancy Moureau (USA)
- Michael O'Connor (USA)
- Russel Roberts (USA)
- Janet Roseman (USA)
- Frank Sasse (USA)
- Stacy Voils (USA)
- Ewan McNicol (USA)
- Kevin Dysart (USA)
- Gordon A Ewy (USA)
- Daniel Gainsburg (USA)
- Jeffrey Gertsch (USA)
- Jennifer Hirsch-Romano (USA)
- David Huang (USA)
- Baruch Krauss (USA)
- David Janz (USA)
- Aaron Joffe (USA)
- Jeffrey Lu (USA)
- Thomas Poulton (USA)

#### **Peer reviewers Oceania**

- Evan Alexandrou (Australia)
- Sue Berney (Australia)
- Linda Denehy (Australia)
- James D Griffiths (Australia)
- Sue Huckson (Australia)
- Georgina Imberger (Australia)
- Ana Licina(Australia)
- Rakshit Panwar(Australia)
- Ravi Tiruvoipati (Australia)
- James Walsham (Australia)
- Teresa Williams (Australia)

#### **Peer reviewers South America**

- Regina El Dib (Brazil)
- Fernanda Fukushima (Brazil)
- Andrea Lemos (Brazil)
- Daniel Molano Franco (Colombia)
- Miguel Ibarra (Mexico)

## **Our goals for 2018**

- To continuously improve the quality and the clinical relevance of both Cochrane Anaesthesia, and Cochrane Critical and Emergency Care Groups' Review
- To publish 'fewer, better reviews'
- To successfully collaborate with the other members of the Acute and Emergency Care Network
- To recruit more editors

## **Thank you to our funders**

- Region Hovedstaden
- Minister Erna Hamiltons Legat for Videnskab og Kunst