



THE COCHRANE ANAESTHESIA REVIEW GROUP

Annual report 2008

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Rigshospitalet

Contents

Preface.....	3
The Cochrane Anaesthesia Review Group (CARG)	4
CARG Editorial Office.....	4
CARG Editors	5
CARG Members.....	5
Publications in <i>The Cochrane Library</i> , 2008	5
Publishing agreement with <i>Anesthesia and Analgesia (A&A)</i>	8
RevMan 5.....	8
Lectures, Conferences and Meetings	9
Lectures	9
Conferences and Meetings	9
CARG Articles	9
Cochrane Anaesthesia News.....	9
Website	10
Specialized Register (SR-ANAESTH)	10
Handsearching	10
Consumer representation in CARG reviews	10
CARG's goals for 2009.....	11
Funders	11
Budget	11

Preface

The year of 2008 brought big changes to CARG as well as to The Cochrane Collaboration in general. The implementation of Archie and Revman 5 have, at times, been difficult and troublesome as well as time consuming. However, the results seem to be good, once we learned how to use them. We also started working with diagnostic reviews in 2008, though we will not start producing Systematic Reviews of Diagnostic Test Accuracy until 2009. We foresee that this process will also be time consuming and difficult at times, but there is no doubt that we will achieve much, once we have become familiar with the process. So much for the changes. As you can see from the graph on page eight we have once again increased the number of published systematic reviews and protocols for systematic reviews. CARG has contributors from all over the world who have put a great deal of effort into producing systematic reviews of high scientific standard.

The annual report is a good place to thank everyone for the good work you have put into this review production. Without authors, editors, translators, consumers and everyone else, there would be no CARG. We will continue to work for CARG's mission to contribute to the best effective treatment and care of patients within the field of anaesthesia, intensive care and emergency medicine.

In 2008 we became accustomed to the new facilities in the Panum Institute, close to the Medical Faculty of the University of Copenhagen. The closeness to our collaborators in the Nordic Cochrane Centre, the Cochrane Hepatobiliary group and the Copenhagen Trial Unit is inspiring and will without doubt increase the quality and usefulness of the CARG reviews.

Last year we gained a new secretary, Annette van Hauen, She is very experienced, and has been of great value to CARG in 2008.

The academic evolvement of CARG increased considerably in 2008 with two new PhD students: Arash Afshari from Denmark and Georgina Imberger from Australia, who are both medical doctors. We very much look forward to following the great work they have both started.

Finally, I wish to thank our main funder "Region Hovedstaden" as well as all our other funders, who supported us in 2008.

Ann M. Møller

**Co-ordinating Editor
Copenhagen, February 2009**

The Cochrane Anaesthesia Review Group (CARG)

CARG conducts systematic reviews of randomized controlled trials (RCTs) and other controlled Clinical Trials (CCTs) of interventions evaluating outcomes in:

- Anaesthesia
- Perioperative medicine
- Intensive care medicine
- Emergency medicine
- Prehospital medicine
- Resuscitation

The Group avoids duplication of work by collaborating closely with other Collaborative Review Groups, which have overlapping scopes, such as the Cochrane Pregnancy and Childbirth Group, the Cochrane Injuries Group and the Cochrane Pain, Palliative Care and Supportive Care Group. The Cochrane Child Health Field provides peers for all reviews that include children. The Cochrane Anaesthesia Review Group is committed to collaborating on topics that are on the borderline between Groups, both in performing the reviews as well as in the editorial process. If a review potentially overlaps with another Cochrane Group, that Group is asked to contribute to the editorial process by providing a peer-reviewer.

CARG Editorial Office

The CARG Editorial Office is located in Panum Institute, Rigshospitalet, Copenhagen, Denmark.

Ann M Møller, MD, DMSc, Associate Professor
Co-ordinating Editor

Jane Cracknell, RN, BA, MSc
Co-ordinator & Managing Editor

Karen Hovhannisyan, MD, MSc
Trials Search Co-ordinator

Annette van Hauen
Secretary

Tom Pedersen, MD, DMSc
Editorial advisor and treasurer

Georgina Imberger MBBS FANZCA
PhD student

Arash Afshari, MD
PhD student



CARG Editors

- Jane Ballantyne, USA
- Michael Bennett, Australia
- John Carlisle, UK (Criticisms Editor)
- Martha Delgado, Colombia
- Harald Herkner, Austria
- Anna Lee, China
- Ann M. Møller, Denmark
- Nathan Pace, USA (Statistical Editor)
- Tom Pedersen, Denmark
- Nicola Petrucci, Italy
- Andrew Smith, UK
- Marialena Trivella, (Statistical Editor) UK
- Mathew Zacharias, New Zealand

CARG Members

CARG has a broad membership of individuals, many of whom are active and contribute to the work of the CARG by performing systematic reviews, editing, peer refereeing, handsearching, translating or extracting data.

Publication in medical journals and in *The Cochrane Library*; the CARG website; the CARG newsletter, and intense recruitment at conferences have all contributed to the CARG's rapid growth.

Publications in *The Cochrane Library*, 2008

New reviews

Afshari A, Wetterslev J, Brok J, Møller AM. Antithrombin III for critically ill patients. *Cochrane Database of Systematic Reviews* 2008, Issue 3. Art. No.: CD005370. DOI: 10.1002/14651858.CD005370.pub2.

Alhassan MB, Kyari F, Ejere HOD. Peribulbar versus retrobulbar anaesthesia for cataract surgery. *Cochrane Database of Systematic Reviews* 2008, Issue 3. Art. No.: CD004083. DOI: 10.1002/14651858.CD004083.pub2.

Bassi A, Milani WRO, El Dib R, Matos D. Intravenous versus inhalation anaesthesia for one-lung ventilation. *Cochrane Database of Systematic Reviews* 2008, Issue 2. Art. No.: CD006313. DOI: 10.1002/14651858.CD006313.pub2

Leslie K, Clavisi O, Hargrove J. Target-controlled infusion versus manually-controlled infusion of propofol for general anaesthesia or sedation in adults. *Cochrane Database of Systematic Reviews* 2008, Issue 3. Art. No.: CD006059. DOI: 10.1002/14651858.CD006059.pub2

Sheikh A, Shehata YA, Brown SGA, Simons FER. Adrenaline (epinephrine) for the treatment of anaphylaxis with and without shock. *Cochrane Database of Systematic Reviews* 2008, Issue 4. Art. No.: CD006312. DOI: 10.1002/14651858.CD006312.pub2

Tzortzopoulou A, Cepeda MS, Schumann R, Carr DB. Antifibrinolytic agents for reducing blood loss in scoliosis surgery in children. *Cochrane Database of Systematic Reviews* 2008, Issue 3. Art. No.: CD006883. DOI: 10.1002/14651858.CD006883.pub2

Updated reviews

Bizzarro M, Gross I. Inhaled nitric oxide for the postoperative management of pulmonary hypertension in infants and children with congenital heart disease. *Cochrane Database of Systematic Reviews* 2005, Issue 4. Art. No.: CD005055. DOI: 10.1002/14651858.CD005055.pub2.

Cyna AM, Middleton P. Caudal epidural block versus other methods of postoperative pain relief for circumcision in boys. *Cochrane Database of Systematic Reviews* 2008, Issue 4. Art. No.: CD003005. DOI: 10.1002/14651858.CD003005.pub2

Martí-Carvajal AJ, Salanti G, Cardona-Zorrilla AF. Human recombinant activated protein C for severe sepsis. *Cochrane Database of Systematic Reviews* 2008, Issue 1. Art. No.: CD004388. DOI: 10.1002/14651858.CD004388.pub3.

Perry JJ, Lee JS, Sillberg VAH, Wells GA. Rocuronium versus succinylcholine for rapid sequence induction intubation. *Cochrane Database of Systematic Reviews* 2008, Issue 2. Art. No.: CD002788. DOI: 10.1002/14651858.CD002788.pub2

Zacharias M, Conlon NP, Herbison GP, Sivalingam P, Walker RJ, Hovhannisyan K. Interventions for protecting renal function in the perioperative period. *Cochrane Database of Systematic Reviews* 2008, Issue 4. Art. No.: CD003590. DOI: 10.1002/14651858.CD003590.pub3

New protocols

Abrishami A, Ho J, Yin L, Wong J, Chung F. Sugammadex, a selective reversal medication for preventing postoperative residual neuromuscular blockade (Protocol). *Cochrane Database of Systematic Reviews* 2008, Issue 4. Art. No.: CD007362. DOI: 10.1002/14651858.CD007362.

Adams GG, Grainge M, Langley J. Glucose-insulin-potassium (GIK) and tight-glycaemic-control (TGC) versus standard therapy insulin for critically ill patients (Protocol). *Cochrane Database of Systematic Reviews* 2008, Issue 1. Art. No.: CD006879. DOI: 10.1002/14651858.CD006879.

Andreae MH, Andreae DA, Motschall E, Rucker G, Timmer A. Local anaesthetics and regional anaesthesia for preventing chronic pain after surgery (Protocol). *Cochrane Database of Systematic Reviews* 2008, Issue 2. Art. No.: CD007105. DOI: 10.1002/14651858.CD007105

Barbosa FT, Cavalcante JC, Jucá MJ, Castro AA. Neuraxial anaesthesia for lower-limb revascularization (Protocol). *Cochrane Database of Systematic Reviews* 2008, Issue 2. Art. No.: CD007083. DOI: 10.1002/14651858.CD007083

Blackwood B, Alderdice F, Burns KEA, Cardwell CR, Lavery G, O'Halloran P. Protocolized versus non-protocolized weaning for reducing the duration of mechanical ventilation in critically ill adult patients (Protocol). *Cochrane Database of Systematic Reviews* 2008, Issue 1. Art. No.: CD006904. DOI: 10.1002/14651858.CD006904

Brass P, Hellmich M, Kolodziej L, Kullmer B, Schick G, Schregel W. Traditional landmark versus ultrasound guidance for central vein catheterization (Protocol).

Cochrane Database of Systematic Reviews 2008, Issue 1. Art. No.: CD006962. DOI: 10.1002/14651858.CD006962.

Dileo C, Bradt J. Music for preoperative anxiety (Protocol). *Cochrane Database of Systematic Reviews* 2008, Issue 1. Art. No.: CD006908. DOI: 10.1002/14651858.CD006908.

Dileo C, Bradt J, Grocke D. Music interventions for mechanically ventilated patients (Protocol). *Cochrane Database of Systematic Reviews* 2008, Issue 1. Art. No.: CD006902. DOI: 10.1002/14651858.CD006902.

Garewal D, Nordmeyer J, Milan SJ, Powell S. Sedative techniques for endoscopic retrograde cholangiopancreatography (Protocol). *Cochrane Database of Systematic Reviews* 2008, Issue 3. Art. No.: CD007274. DOI: 10.1002/14651858.CD007274

Hewitt N, Bucknall T, Glanville D. Lateral positioning for critically ill adult patients (Protocol). *Cochrane Database of Systematic Reviews* 2008, Issue 3. Art. No.: CD007205. DOI: 10.1002/14651858.CD007205.

Mathew P, Mathew JL, Salanti G. Early versus late removal of laryngeal mask airway (LMA) for general anaesthesia (Protocol). *Cochrane Database of Systematic Reviews* 2008, Issue 2. Art. No.: CD007082. DOI: 10.1002/14651858.CD007082

Messina AG, Ward MJ, Pace NL. Anaesthetic interventions for prevention of awareness during surgery (Protocol). *Cochrane Database of Systematic Reviews* 2008, Issue 3. Art. No.: CD007272. DOI: 10.1002/14651858.CD007272

Robertson-Malt S, Malt GN, Elbarbary M. Heparin versus normal saline for patency of arterial lines (Protocol). *Cochrane Database of Systematic Reviews* 2008, Issue 4. Art. No.: CD007364. DOI: 10.1002/14651858.CD007364

Salimullah H, Samad K, Khan FA. Continuous interscalene blockade versus parenteral analgesia for postoperative pain relief after major shoulder surgery (Protocol). *Cochrane Database of Systematic Reviews* 2008, Issue 2. Art. No.: CD007080. DOI: 10.1002/14651858.CD007080

Siddiqui S, Razzak J. Early versus late pre-intensive care unit admission broad spectrum antibiotics for severe sepsis in adults (Protocol). *Cochrane Database of Systematic Reviews* 2008, Issue 2. Art. No.: CD007081. DOI: 10.1002/14651858.CD007081

Silva BNG, Andriolo RB, Saconato H, Atallah AN. Early versus late tracheostomy for critically ill patients (Protocol). *Cochrane Database of Systematic Reviews* 2008, Issue 3. Art. No.: CD007271. DOI: 10.1002/14651858.CD007271

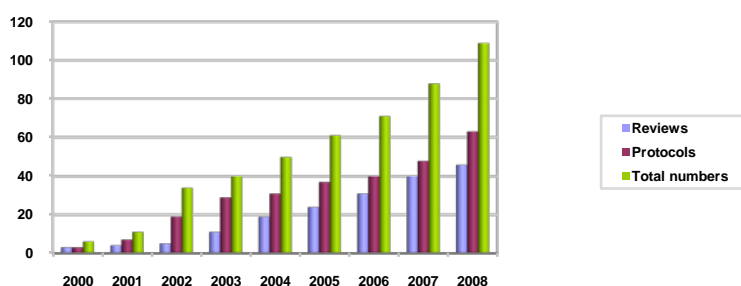
Stephens K, Strickland P, Larsson JN, Middleton P, Cyna AM. Sevoflurane versus other general anaesthesia on postoperative behaviour disturbance in children (Protocol). *Cochrane Database of Systematic Reviews* 2008, Issue 2. Art. No.: CD007084. DOI: 10.1002/14651858.CD007084

Suksompong S, Visalyaputra S, Suraseranivongse S, Pattanittum P. Drugs for the prevention and treatment of pruritus in patients receiving neuraxial opioids (Protocol). *Cochrane Database of Systematic Reviews* 2008, Issue 3. Art. No.: CD007251. DOI: 10.1002/14651858.CD007251

Tzortzopoulou A, Cepeda MS, Schumann R, Carr DB. Antifibrinolytic agents for reducing blood loss in scoliosis surgery in children. *Cochrane Database of Systematic Reviews* 2008, Issue 3. Art. No.: CD006883. DOI: 10.1002/14651858.CD006883.pub2

van Miert C, Hill R, Jones L. Interventions for restoring patency of occluded central venous catheter lumens (Protocol). *Cochrane Database of Systematic Reviews* 2008, Issue 2. Art. No.: CD007119. DOI: 10.1002/14651858.CD007119.

Wakai A, Cummins F, O'Sullivan R. The use of propofol for procedural sedation in emergency departments (Protocol). *Cochrane Database of Systematic Reviews* 2008, Issue 4. Art. No.: CD007399. DOI: 10.1002/14651858.CD007399



The Cochrane Anaesthesia Review Group's publication in *The Cochrane Library* 2000 to 2008
Source: *The Cochrane Information Management System*

Publishing agreement with *Anesthesia and Analgesia* (A&A)

The Cochrane Anaesthesia Review Group has a publishing agreement with A&A. All newly published CARG reviews will be submitted to A&A. Authors are made aware that the editors' of A&A may either decide to publish their Cochrane abstract in a new Cochrane Corner or the full review. (If the editor in chief accepts the full review then it will need to be edited in accordance with A&A's style guidelines and will enter A&A's editorial process.)

RevMan 5

RevMan 5 has now been released to all of The Cochrane Collaboration.

RevMan 5 represents a major advance for the Collaboration's processes and output. It will be more user friendly, improve version control and allows authors to share their reviews more easily with their review team and editors. It is also designed to improve the quality of Cochrane reviews by reflecting advances in the methodology of Cochrane systematic reviews which helps to make the review process more transparent and review findings more accessible.

RevMan 5 will offer authors new features such as summary of findings and risk of bias tables, Tau-squared statistics etc.

Authors are encouraged to use summary of findings and risk of bias tables.

Diagnostic test accuracy reviews

CARG does not, as yet, accept diagnostic test accuracy reviews. We will receive training in diagnostic methods from the European Diagnostic Working Group in 2009 and will begin registering the first reviews towards the end of 2009.

Lectures, Conferences and Meetings

We increased awareness and participation in CARG by representing CARG in the following ways:

Lectures

The Cochrane Review process-gathering an evidence base, Cracknell J. 4th National Anaesthesia Research Trust Meeting, Stratford-Upon-Avon, UK 16-17th October 2008

Conferences and Meetings

- Cochrane Continental European Entities Meeting in Milan, May 2008
- 16th Cochrane Colloquium, Freiburg (3-7 October 2008)
- 4th National Anaesthesia Research Trust Meeting, Stratford Upon Avon, UK 16-17th October 2008

CARG Articles

- Rosenbaum S, Glenton C, Cracknell J. User experiences of evidence-based online resources for health professionals: User testing of The Cochrane Library. BMC Medical Informatics and Decision Making 2008, 8: 34.
- M Pictor, J. Cracknell, V. Pennick, J. Thomas. Improving support and raising standards: a pilot induction and mentoring programme for new Review Group Coordinators in The Cochrane Collaboration. Abstract and poster presentation. Accepted for 16th Cochrane Colloquium, Freiburg (2008).

CARG Bursaries

- The authors of "Drugs for preventing postoperative nausea or vomiting" (Carlisle J, Stevenson CA) have been awarded a Department of Health Cochrane Review Incentive Scheme 2008 to help them update their review.
- The author of "Stimulation of the wrist acupuncture point P6 for preventing postoperative nausea and vomiting" (Lee A) was awarded a 2008 Complementary Medicine Field bursary from the Cochrane Complementary Medicine Field to update her review.

Cochrane Anaesthesia News

Cochrane Anaesthesia News, the CARG Newsletter, is published on the CARG website four times per year and distributed to CARG members and other interested parties worldwide.

Website

The CARG new web site was launched in February 2006. The template for the Web site was provided by the Cochrane Collaboration.

The website www.carg.cochrane.org contains information about:

- The CARG editors and CARG editorial office
- The CARG activities
- The scope of the CARG
- The topics addressed by the CARG
- The reviews, protocols and titles supported by the CARG
- The CARG membership
- Writing a systematic review (resources for Review Authors)
- Other information about the CARG, including Cochrane Anaesthesia News
- The Cochrane Collaboration and anaesthesia-related entities, through Web links as well as CARG publications
- Introduction to consumers and handsearchers

Specialized Register (SR-ANAESTH)

The CARG maintains a register of more than 28,000 RCTs and CCTs related to: anaesthesia, perioperative medicine, intensive care medicine, pre-hospital medicine, resuscitation and emergency medicine. The register is maintained on ProCite software, and searches for trials are executed quarterly. Trials included in the register are tagged SR-ANAESTH, and the tag term may be searched in the Cochrane Library. The register has now been submitted to CENTRAL. Access to the register is available to authors and other members of the CARG.

Handsearching

Members of the CARG are actively involved in handsearching anaesthesia journals in order to identify RCTs and CCTs for inclusion in systematic reviews, the Specialized Register, the Cochrane CENTRAL Register of Controlled Trials and The National Library of Medicine, CARG's HS-ANAESTH results have been submitted to NECC@P Central.

We currently have three active handsearchers. We are looking for new handsearchers to help us increase our handsearch activities.

Consumer representation in CARG reviews

The Cochrane Consumer Network has been actively involved in commenting on CARG protocols and reviews. The goal of the consumer involvement is to clarify the results of the review in lay text.

CARG's goals for 2009

- To hold an editorial meeting in Copenhagen, which all editors attend
- To train the Co-ordinating Editor, RGC, TSC and two other editors in Diagnostic test accuracy review methods.
- To further disseminate the knowledge of evidence-based medicine within institutions and individuals.
- To recruit another intensive care editor
- To initiate research in evidence-based medicine and anaesthesia by introducing two PhD students to the group.
- To publish a further six reviews and 15 protocols
- To continue to improve the editorial process, to further disseminate knowledge of evidence-based medicine with other organizations and individuals.
- To improve the involvement of developing countries.
- To improve our successful co-operation with *Anesthesia and Analgesia*.
- To recruit and involve more new consumers in the editorial process.
- To recruit and involve more handsearchers in CARG handsearching activities.
- To keep CARG reviews updated
- To offer a mentoring system for new editors.
- To continuously improve the quality and the clinical relevance of CARG reviews

Funders

- Region Hovedstaten
- Aase og Ejnar Danielsen Fond
- Kong Christian den Tiendes Fond
- Lippmann Fonden
- Else og Mogens Wedell-Wedellsborgs Fond
- Fonden af 17.12.1981

Budget

Budget (in Danish Kroner)	Funds
Income Region Hovedstaden	1.044.000
Private Funds	220.000
Total	1.264.000
Total Expenditures	1.217.566
Balance	46.434



CARG Editorial Meeting, Freiburg, Germany 2008



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