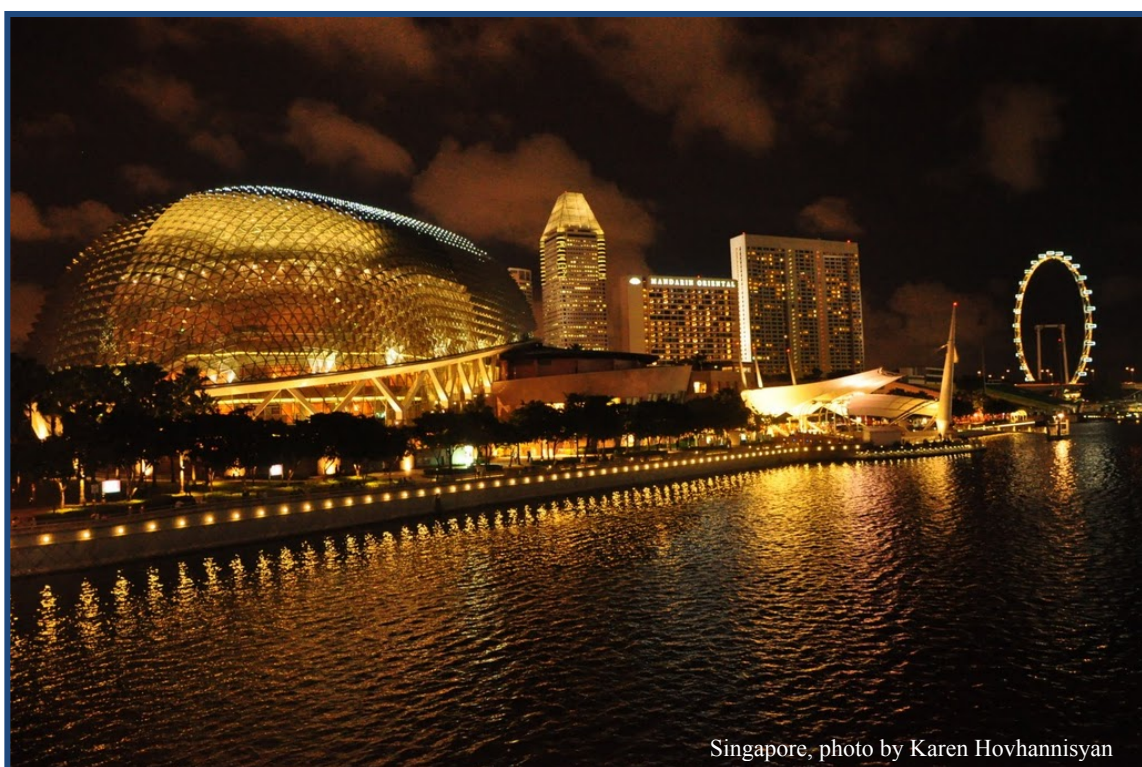




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Singapore, photo by Karen Hovhannisyán

THE COCHRANE ANAESTHESIA REVIEW GROUP

Annual report 2009



Rigshospitalet

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Preface

Welcome to the 2009 CARG Annual Report. As you will see from our publication graph (page 8) we are delighted to announce that we have once again increased the number of systematic reviews and protocols for systematic reviews that we have published. This would not have been possible without CARG's world-wide contributors who have put a great deal of effort into producing systematic reviews of high scientific standard. In light of this success, we are especially keen to everyone for the all the work they have put into this review production. Without authors, editors, peer reviewers, translators, consumers and everyone else, there would be no CARG.

In recent years, interest in publishing systematic reviews with our review group has grown substantially. Some of this growth is reflected in the increasing numbers of published reviews, but there is far more below this surface. The world-wide Cochrane imperative, to systematically and reliably summarise existing evidence is alive and well within our group. We are very happy about this increasing interest in conducting systematic reviews in the topics of anaesthesia, emergency medicine and intensive care. The growth of interest does bring new challenges. Our goals now include harnessing this new enthusiasm and continuing to provide the best possible quality in our published products.

In June 2009 we held our three-yearly CARG Editorial Meeting. We welcomed ten of our editors to this meeting in Copenhagen. It was a very successful meeting; the decisions arising from that meeting are discussed on page 9 of this annual report.

It was decided at this year's Cochrane Colloquium (held in Singapore in October) that from 2010 *The Cochrane Library* would be published 12 times a year rather than quarterly. This is discussed on page 7 and 8 of this report.

Finally, I wish to acknowledge and thank our main funder "Region Hovedstaden" as well as all our other funders, who supported us in 2009. Without their important support it would not be possible to continue the work of CARG.

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
Managing Editor**

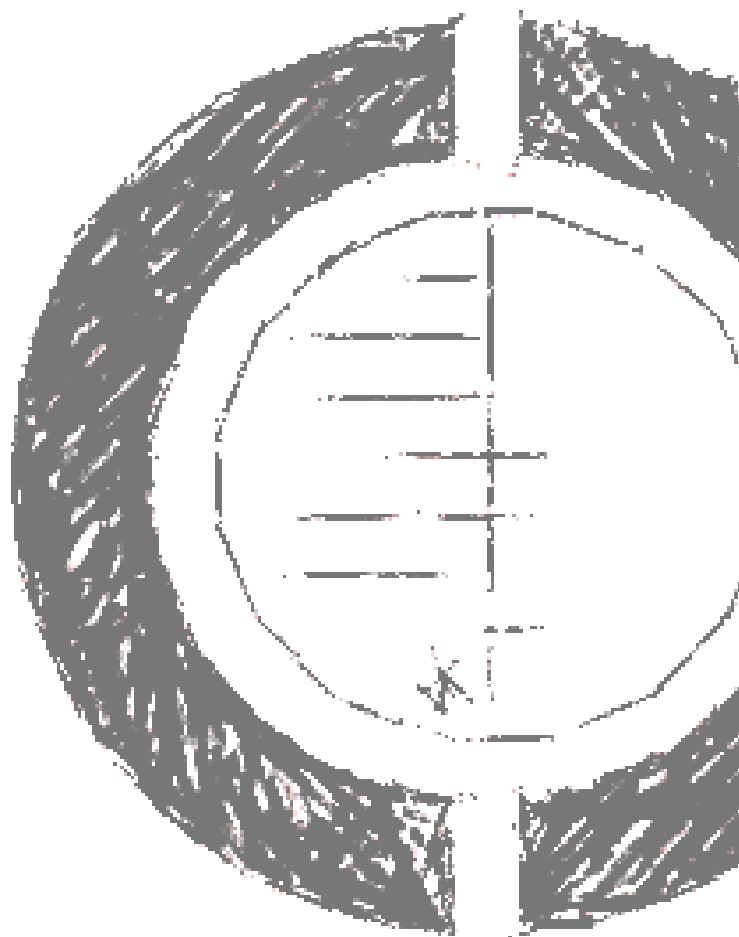
**Karen Hovhannisyan, MD, MSc
Trials Search Co-ordinator**

**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

In 2009 Jane Ballantyne resigned as an editor. We would like to thank Jane for her considerable input into CARG and wish her well for the future.

We welcomed three new editors: Stephan Kettner is an Associate Professor at Medical University of Vienna and a Consultant in Anaesthesia and General Intensive Care at the General Hospital Vienna, Austria; Janet Wale (Australia) joined us as a new Consumer Editor; Mark David Neuman, an Assistant Professor of Anaesthesiology at the University of Pennsylvania School of Medicine, USA.

- Michael Bennett, Australia
- John Carlisle, UK (Criticisms Editor)
- Martha Delgado, Colombia
- Harald Herkner, Austria
- Stephan Kettner, Austria
- Anna Lee, Hong Kong
- 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*, 2009

We published 12 new reviews, 4 updated reviews and 15 protocols in 2009. Two of those reviews: Hypothermia for neuroprotection in adults after cardiopulmonary resuscitation and Stimulation of the wrist acupuncture point P6 for preventing postoperative nausea and vomiting were featured as podcasts.

New reviews

Abrishami A, Ho J, Wong J, Yin L, Chung F. Sugammadex, a selective reversal medication for preventing postoperative residual neuromuscular blockade. *Cochrane Database of Systematic Reviews* 2009, Issue 4. Art. No.: CD007362. DOI: 10.1002/14651858.CD007362.pub2

- Arrich J, Holzer M, Herkner H, Müllner M. Hypothermia for neuroprotection in adults after cardiopulmonary resuscitation. *Cochrane Database of Systematic Reviews* 2009, Issue 4. Art. No.: CD004128. DOI: 10.1002/14651858.CD004128.pub2
- Ashley PF, Williams CECS, Moles DR, Parry J. Sedation versus general anaesthesia for provision of dental treatment in under 18 year olds. *Cochrane Database of Systematic Reviews* 2009, Issue 1. Art. No.: CD006334. DOI: 10.1002/14651858.CD006334.pub2
- Guimarães MMF, El Dib RP, Smith AF, Matos D. Incentive spirometry for prevention of postoperative pulmonary complications in upper abdominal surgery. *Cochrane Database of Systematic Reviews* 2009, Issue 3. Art. No.: CD006058. DOI: 10.1002/14651858.CD006058.pub2
- Hodgson C, Keating JL, Holland AE, Davies AR, Smirneos L, Bradley SJ, Tuxen D. Recruitment manoeuvres for adults with acute lung injury receiving mechanical ventilation. *Cochrane Database of Systematic Reviews* 2009, Issue 2. Art. No.: CD006667. DOI: 10.1002/14651858.CD006667.pub2
- Joffe A, Anton N, Lequier L, Vandermeer B, Tjosvold L, Larsen B, Hartling L. Nutritional support for critically ill children. *Cochrane Database of Systematic Reviews* 2009, Issue 2. Art. No.: CD005144. DOI: 10.1002/14651858.CD005144.pub2
- Tanaka Y, Nakayama T, Nishimori M, Sato Y, Furuya H. Lidocaine for preventing postoperative sore throat. *Cochrane Database of Systematic Reviews* 2009, Issue 3. Art. No.: CD004081. DOI: 10.1002/14651858.CD004081.pub2
- Tangsiriwatthana T, Sangkomkamhang US, Lumbiganon P, Laopaiboon M. Paracervical local anaesthesia for cervical dilatation and uterine intervention. *Cochrane Database of Systematic Reviews* 2009, Issue 1. Art. No.: CD005056. DOI: 10.1002/14651858.CD005056.pub2.
- Walker KJ, McGrattan K, Aas-Eng K, Smith AF. Ultrasound guidance for peripheral nerve blockade. *Cochrane Database of Systematic Reviews* 2009, Issue 4. Art. No.: CD006459. DOI: 10.1002/14651858.CD006459.pub2
- Wijesundera DN, Bender JS, Beattie WS. Alpha-2 adrenergic agonists for the prevention of cardiac complications among patients undergoing surgery. *Cochrane Database of Systematic Reviews* 2009, Issue 4. Art. No.: CD004126. DOI: 10.1002/14651858.CD004126.pub2
- Yip P, Middleton P, Cyna AM, Carlyle AV. Non-pharmacological interventions for assisting the induction of anaesthesia in children. *Cochrane Database of Systematic Reviews* 2009, Issue 3. Art. No.: CD006447. DOI: 10.1002/14651858.CD006447.pub2
- Yong SL, Marik P, Esposito M, Coulthard P. Supplemental perioperative steroids for surgical patients with adrenal insufficiency. *Cochrane Database of Systematic Reviews* 2009, Issue 4. Art. No.: CD005367. DOI: 10.1002/14651858.CD005367.pub2

Updated reviews

- Davies MW, Sargent PH. Partial liquid ventilation for the prevention of mortality and morbidity in paediatric acute lung injury and acute respiratory distress syndrome. *Cochrane Database of Systematic Reviews* 2004, Issue 4. Art. No.: CD003845. DOI: 10.1002/14651858.CD003845.pub2

Lee A, Fan LTY. Stimulation of the wrist acupuncture point P6 for preventing postoperative nausea and vomiting. *Cochrane Database of Systematic Reviews* 2009, Issue 2. Art. No.: CD003281. DOI: 10.1002/14651858.CD003281.pub3.

Pedersen T, Møller AM, Hovhannisyan K. Pulse oximetry for perioperative monitoring. *Cochrane Database of Systematic Reviews* 2009, Issue 4. Art. No.: CD002013. DOI: 10.1002/14651858.CD002013.pub2

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

Zaric D, Pace NL. Transient neurologic symptoms (TNS) following spinal anaesthesia with lidocaine versus other local anaesthetics. *Cochrane Database of Systematic Reviews* 2009, Issue 2. Art. No.: CD003006. DOI: 10.1002/14651858.CD003006.pub3

New protocols

Afshari A, Brok J, Møller AM, Wetterslev J. Aerosolized prostacyclin for acute lung injury (ALI) and acute respiratory distress syndrome (ARDS) (Protocol). *Cochrane Database of Systematic Reviews* 2009, Issue 2. Art. No.: CD007733. DOI: 10.1002/14651858.CD007733

Afshari A, Wikkelsø A, Møller AM, Brok J, Wetterslev J. Thrombelastography (TEG) or Thrombelastometry (ROTEM) to monitor haemotherapy versus usual care in patients with massive transfusion (Protocol). *Cochrane Database of Systematic Reviews* 2009, Issue 3. Art. No.: CD007871. DOI: 10.1002/14651858.CD007871

Choo KJL, Simons FER, Sheikh A. Glucocorticoids for the treatment of anaphylaxis (Protocol). *Cochrane Database of Systematic Reviews* 2009, Issue 1. Art. No.: CD007596. DOI: 10.1002/14651858.CD007596

Euasobhon P, Muangman S, Sriraj W, Pattanittum P. Physicopharmacological interventions for reducing propofol-induced pain on induction of anaesthesia in adults (Protocol). *Cochrane Database of Systematic Reviews* 2009, Issue 3. Art. No.: CD007874. DOI: 10.1002/14651858.CD007874

Gomes Silva BN, Andriolo RB, Atallah ÁN, Salomão R. De-escalation of antimicrobial treatment for adults with sepsis, severe sepsis or septic shock (Protocol). *Cochrane Database of Systematic Reviews* 2009, Issue 3. Art. No.: CD007934. DOI: 10.1002/14651858.CD007934

Hines S, Steels E, Chang A, Gilshenan K. Aromatherapy for treatment of postoperative nausea and vomiting (Protocol). *Cochrane Database of Systematic Reviews* 2009, Issue 1. Art. No.: CD007598. DOI: 10.1002/14651858.CD007598

Imberger G, McIlroy D, Pace NL, Møller AM. Positive end-expiratory pressure (PEEP) during anaesthesia for the prevention of mortality and postoperative pulmonary complications (Protocol). *Cochrane Database of Systematic Reviews* 2009, Issue 3. Art. No.: CD007922. DOI: 10.1002/14651858.CD007922

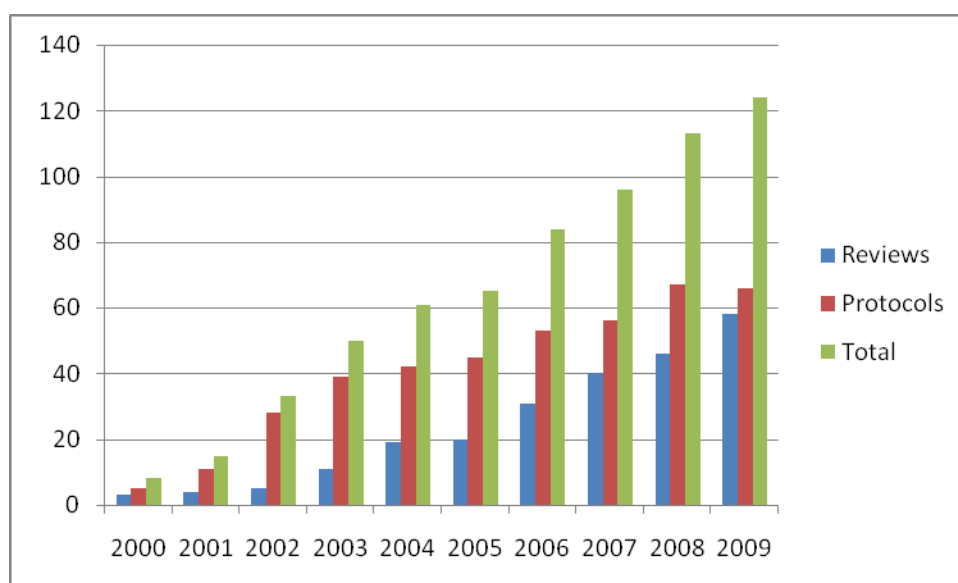
Lai NM, Chaiyakunapruk N, Lai NA, O'Riordan E, Pau WSC, Saint S. Catheter impregnation, coating or bonding for reducing central venous catheter related infections in adults (Protocol). *Cochrane Database of Systematic Reviews* 2009, Issue 3. Art. No.: CD007878. DOI: 10.1002/14651858.CD007878

Levett D, Bennett MH, Millar I. Adjunctive hyperbaric oxygen for necrotizing fasciitis (Protocol). *Cochrane Database of Systematic Reviews* 2009, Issue 3. Art. No.: CD007937. DOI: 10.1002/14651858.CD007937

O'Sullivan R, Blackburn C, Wakai A. Topical anaesthesia for nasogastric tube insertion (Protocol). *Cochrane Database of Systematic Reviews* 2009, Issue 3. Art. No.: CD007870. DOI: 10.1002/14651858.CD007870

Perman MI, Ciapponi A, Crivelli A, Garrote V, Loudet C, Perman G. Prescribed hypocaloric nutrition support for critically ill adults (Protocol). *Cochrane Database of Systematic Reviews* 2009, Issue 3. Art. No.: CD007867. DOI: 10.1002/14651858.CD007867

Shields L, Allgar V, Arabiat DH, El-Habbal M, Elliott B, Greenman J, Hall J, Imrie C, Kalia S, Wadhawan J. pH testing for detecting the position of nasogastric tubes in adults and children (Protocol). *Cochrane Database of Systematic Reviews* 2009, Issue 4. Art. No.: CD007660. DOI: 10.1002/14651858.CD007660.pub2 (later withdrawn)



The Cochrane Anaesthesia Review Group's publication in *The Cochrane Library* 2000 to 2009
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.)

Monthly publication of the Cochrane Database of Systematic Reviews (CDSR)

From January 2010 the *Cochrane Database of Systematic Reviews* will be published monthly instead of quarterly. This means that there will be monthly opportunities to submit reviews for publication instead of just four times a year. The increased publication frequency will bring benefits to our readers, authors, and editorial teams.

The first issue of 2010 will be published on 20th January as already scheduled; Issue 2 will be published on 17th February; Issue 3 in March and so on.

Diagnostic test accuracy (DTA) reviews

CARG has now received training in diagnostic methods and will begin to register DTA reviews. We recently registered our first diagnostic test accuracy review title: *Airway physical examination tests for detection of the difficult airway in apparently normal patients*

Lectures, Conferences and Meetings

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

CARG Editorial Board Meeting in Copenhagen, June 2009

We held an Editorial meeting in Copenhagen in June 2009; ten editors were able to attend this meeting. It was decided during this meeting that the Cochrane Anaesthesia Review Group now requires inclusion of risk of bias (ROB) and summary of finding (SOF) tables in all new reviews; authors are strongly encouraged to include ROB and SOF tables in updated reviews.

The CARG editors also adopted a policy at their editorial meeting in June 2009 that an orphan study - a data and analysis with only one included study - should not be entered in a data and analysis table. Rather, the outcome could be placed in an additional table. An orphan study entered, as a subgroup single included study would still be appropriate when associated with the other subgroups of the data and analysis table.

Conferences and Meetings

- Cochrane Continental European Entities Meeting in Maastricht, May 2009
- 17th Cochrane Colloquium Singapore (October 2009)

CARG Articles

- M Pictor, J. Cracknell, V. Pennick, J. Thomas. Results of the pilot mentoring programme for Review Group Coordinators. Poster presentation. Accepted for 17th Cochrane Colloquium, Singapore (2009).

National Institute of Health Research (NIHR) Cochrane Review Incentive Scheme 2009

We are delighted to announce that Georgie Imberger has been awarded a NIHR incentive award to facilitate the completion of her review "Positive end-expiratory pressure (PEEP) during anaesthesia for the prevention of mortality and postoperative pulmonary complications"

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. Since 2010 CARG uses the Cochrane Collaboration's new web site builder based on Drupal platform.

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 31,000 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 two 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.

We are delighted to announce that we have a new Consumer Editor (Janet Wale). Janet will now provide consumer comments at title registration stage. This will ensure that CARG reviews are relevant to consumers from title stage onwards

CARG's goals for 2010

- To recruit another intensive care editor
- To recruit another anaesthesia editor
- To recruit another statistical editor
- To update and revise "Tips for authors" and "Tips for peer reviewers"
- To publish ten reviews and ten protocols
- 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
- Sofus Carl Emil Friis og Hustru Olga Doris Friis' Legat
- Arvid Nilssons Fond
- Familien Hede Nielsens Fond

Budget

Budget (in Danish Kroner)	Funds
Income	1.143.000
Total Expenditures	1.101.500
Balance	41.500



CARG Editorial Team, Editors and Authors, 17th Cochrane Colloquium, Singapore



CARG Editorial Team, CARG 3rd Editorial Meeting, Copenhagen, Denmark



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