



CMSG Newsletter

**CMSG 2009
IMPACT FACTOR IS:
6.4 !!**

WWW.MUSCULOSKELETAL.COCHRANE.ORG NOVEMBER 2010

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The Cochrane Musculoskeletal Review Group

The Cochrane Musculoskeletal Review Group (CMSG) is one of 52 groups that are part of the Cochrane Collaboration. Cochrane is an international organization that aims to help people make well informed decisions about health care by preparing, maintaining and promoting reviews of the effects of health care treatments.

The CMSG editorial base is in Ottawa, Canada, and Melbourne, Australia, and has members who are health care professionals, researchers and consumers from around the world.

Reviews produced by the CMSG cover many areas of musculoskeletal conditions, such as gout, lupus, fibromyalgia, osteoarthritis, rheumatoid arthritis, paediatric rheumatology, soft tissue conditions, spondyloarthritis, systemic sclerosis and vasculitis.

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Canadian Cochrane Centre Director, Jeremy Grimshaw, presents Lara Maxwell with the Cochrane Review of the Year Award for the review entitled Abatacept for rheumatoid arthritis.

2010 MSG Reviews & Protocols

In total, 142 reviews and 74 protocols have been published in the Cochrane Library. Thank you for your hard work!

New and Updated REVIEWS – 2010

Issue 1

- Acupuncture for peripheral joint OA, Manheimer E et al.
- Golimumab for RA, Singh JA, et al.
- Interventions to improve adherence to exercise for chronic musculoskeletal pain in adults, Jordan JL et al.
- Surface neuromuscular electrical stimulation for quadriceps strengthening pre and post total knee replacement, Verhaegen AP et al.
- Surgical interventions for the rheumatoid shoulder, Christie A, et al.
- Therapeutic ultrasound for OA of the knee or hip, Rutjes AWS, et al.

Issue 3

- Pegloticase for chronic gout, Anderson A, et al.

Issue 4

- Methotrexate monotherapy versus methotrexate combination therapy with non-biologic disease modifying anti-rheumatic drugs for rheumatoid arthritis, Katchamart W, et al.

Issue 5

- Balance training (proprioceptive training) for patients with rheumatoid arthritis, Silva KNG, et al.
- Joint lavage for OA of the knee, Reichenbach S
- Issue 7, et al.
- Tocilizumab for RA, Singh JA, et al.
- Non-surgical interventions for paediatric pes planus, Rome K, et al.

Issue 9

- Botulinum toxin for shoulder pain Singh JA, et al.
- Interventions for treating osteoarthritis of the big toe joint, Zammit GV, et al.
- Stretch for the treatment and prevention of contractures, Katalinic OM, et al.

Issue 10

- Surgery for shoulder osteoarthritis, Singh JA, et al.
- Vitamin D supplementation for improving bone mineral density in children. Winzenberg TM, et al.

Featured review in 2010

Congratulations to Tania Winzenberg and co-authors for being featured by the Cochrane Library earlier this year.

Winzenberg TM, Powell S, Shaw KA, Jones G. Vitamin D supplementation for improving bone mineral density in children. *Cochrane Database of Systematic Reviews* 2010, Issue 10. Art. No.: CD006944. DOI: 10.1002/14651858.CD006944.pub2.

New and Updated PROTOCOLS – 2010

Issue 1

- Anti-cytokine therapies for primary systemic necrotizing vasculitis, Barnsley L et al.
- Biologic interventions for fatigue in rheumatoid arthritis, Almeida C et al.
- IV zoledronate for postmenopausal OA, Albergaria B-H , et al.
- Non-pharmacological interventions for fatigue in rheumatoid arthritis, Hewlett S, et al.
- Vitamin K for the prevention and treatment of OP in postmenopausal women, Sangkomkamhang T et al.
- Botulinum toxin for shoulder pain, Singh JA, et al.
- Taping for knee osteoarthritis Almoammar IA, et al.

Issue 3

- Continuous passive motion following total knee arthroplasty in people with arthritis, Harvey LA
- Whole body vibration for preventing and treating osteoporosis, Lorenzen C

Issue 7

- Disease modifying immunosuppressant drugs for juvenile-onset SLE Craig JV et al.
- Exercise for improving outcomes after osteoporotic vertebral fracture. Giangregorio L, et al
- TNF-alpha inhibitors for juvenile idiopathic arthritis, Femke HM, et al.

Issue 8

- Febuxostat for treating chronic gout, Tayar , JH, et al.

Issue 10

- Adverse effects of biologics: a network meta-analysis and Cochrane overview, Singh JA,, et al.
- Non-biologic pharmaceutical interventions for fatigue in rheumatoid arthritis, Almeida C, et al.

Issue 11

- Erythropoiesis-stimulating agents for anemia in rheumatoid arthritis, Martí-Carvajal AJ, et al.

CHECK OUT OUR NEW WEBSITE AT:

<http://musculoskeletal.cochrane.org>



From Left: Elizabeth Tanjong-Ghogomu (Canada), Robin Christensen(Denmark), Jasvinder Singh (USA) 2009 Singapore.

Health Equity Update

Interventions in OA: In collaboration with CMSG colleagues, the Campbell and Cochrane Equity Methods Group recently contributed to a scoping review of interventions to improve health care quality for disadvantaged populations with osteoarthritis. Led by Dr. Cornelia Borkhoff, the team found a significant evidence gap in research on intervention effectiveness for disadvantaged OA patients. The team also noted that further research is needed to determine whether interventions can reduce inequities in health care.

Equity methods published: We've recently published guidance on equity and systematic reviews in the BMJ, with the Cochrane Public Health Review Group and the WHO Commission on Social Determinants of Health Measurement and Evidence Knowledge Network. In our paper, we identify seven systematic review components that present challenges for reviews incorporating equity, and we offer recommendations for addressing each of these components.

If you are a CMSG review author and you are interested in equity, please contact us. We would be happy to offer our expertise, help, and resources as you address equity and health disparities in your review!

Contact information:

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Borkhoff CM, Wieland ML, Myasoedova E, Ahmad Z, Welch V, Hawker GA, Li LC, Buchbinder R, Ueffing E, Beaton D, Cardiel MH, Gabriel SE, Guillemin F, Adebajo AO, Bombardier C, Hajjaj-Hassouni N, Tugwell P. Reaching those most in need: A scoping review of interventions to improve health care quality for disadvantaged populations with osteoarthritis. *Arthritis Care Res (Hoboken)*. 2010 Sep 14. [Epub ahead of print]

Tugwell P, Petticrew M, Kristjansson E, Welch V, Ueffing E, Waters E, Bonnefoy J, Morgan A, Doohan E, Kelly MP. Assessing equity in systematic reviews: realising the recommendations of the Commission on Social Determinants of Health. *BMJ*. 2010 Sep 13;341:c4739. doi: 10.1136/bmj.c4739. <http://www.bmj.com/content/341/bmj.c4739.full>

Consumer Corner

Many thanks to the following consumers who have looked at a review or protocol and given their thoughtful comments. We are grateful to you all for finding the time in your busy schedules to contribute this way!

Corrie Billedeau
 Claudia Cattivera
 Marg Elliot
 Anna Marie Frediani
 Janet Gunderson
 Caleb Higdon
 Jacqueline Lukas
 Iris Maurstad
 Carmen Montalvo
 Sylvia Smith
 Alfretta Van der Hayden
 Janney Wale



Claudia Cattivera, Consumer, 2009 Singapore

Thanks also to those consumers who have helped with promoting the CMSG and Cochrane through making presentations, writing letters of support or helping on other projects in addition to reviewing materials: Mary Bracheniach, Christine Fyfe, Marilyn Walsh, Anne Lyddiatt

Top 50 Accessed Reviews

The Cochrane Top 50 Accessed Articles list was formulated by Wiley and published on the Cochrane website. The following CMSG reviews have made the list in as of October 2010:

- Acupuncture for shoulder pain
- Biologics for rheumatoid arthritis: an overview of Cochrane reviews
- Diacerein for osteoarthritis
- Glucosamine therapy for treating osteoarthritis
- Posterior versus lateral surgical approach for total hip arthroplasty in adults with osteoarthritis
- Surgery for thumb (trapeziometacarpal joint) osteoarthritis

Announcing...A new Cochrane Corner at the Institute of Musculoskeletal Health and Arthritis

The Canadian Institutes of Health Research's (CIHR) Institute of Musculoskeletal Health and Arthritis (IMHA) partnered with the Cochrane Musculoskeletal Group (CMSG) and the Cochrane Back Group to disseminate Cochrane reviews to researchers and members of the public. New and updated reviews will be highlighted on this website to inform researchers and consumers alike about the current evidence in musculoskeletal conditions. For more information go to: <http://www.cihr-irsc.gc.ca/e/13217.html>



Institute of Musculoskeletal Health and Arthritis | Institut de l'appareil locomoteur et de l'arthrite

Now available: 10 Patient Decision Aids based on CMSG Reviews

Patient decision aids are tools that help people become involved in decision making by providing information about the options and outcomes and by clarifying personal values. They are designed to complement, rather than replace, counseling from a health practitioner. This evidence-based tool prepares consumers to participate in decision-making by:

- presenting the benefits, harms, probabilities, and scientific uncertainties about an option
- helping people clarify their values
- providing structured guidance in the steps of decision-making and communication of their informed values with others .

The CMSG has created 10 such decision aids using high quality Cochrane evidence to help people weight the benefits and harms of treatments. Please email Tamara Rader trader@uottawa.ca if you would like to use any of the following decision aids:

- Should I take Abatacept for RA?
- Should I take Tocilizumab for RA?
- Should I take Methotrexate for RA?
- Should I take Methotrexate for RA with other DMARDS?
- What are my options for managing hip or knee arthritis?
- Should I use TENS for OA?
- Should I have ultrasound for
- Should I take Alendronate to prevent fractures?
- Should I take Risedronate to prevent fractures?
- Should I take Etidronate to prevent fracture?

Co-publication in the Journal of Rheumatology

Selected CMSG reviews are considered for co-publication in the Journal of Rheumatology. We are happy to report that the following reviews have recently been selected:

Singh JA, Noorbaloochi S, Singh G. Golimumab for rheumatoid arthritis: a systematic review. J Rheumatol. 2010 Jun;37(6):1096-104. Epub 2010 May 1.

Maxwell LJ, Singh JA. Abatacept for rheumatoid arthritis: a Cochrane systematic review. J Rheumatol. 2010 Feb;37(2):234-45. Epub 2010 Jan 15. Review. Erratum in: J Rheumatol. 2010 Mar;37(3):682.

Singh JA. Et al. Tocilizumab for RA, J Rheumatol. 2010 In press.

Singh JA. Et al. Botulinum toxin for shoulder pain , J Rheumatol. 2010 In press.

Thank you to the Journal of Rheumatology for supporting the work of the CMSG!

Update from the CMSG Australian Editorial Base

The Australian Editorial Base of CMSG has been working hard to contribute to the work of the Cochrane Collaboration, by:

- Increasing capacity in the Australian musculoskeletal community to prepare and maintain Cochrane reviews through mentoring of individual authors, and providing assistance to the Australasian Cochrane Centre with training of authors.
- Supporting the CMSG in the publication process of protocols, and new and updated reviews. The Australian editorial base is currently responsible for the publication and maintenance of more than 50 review titles.
- Facilitating dissemination of results of relevant Cochrane reviews to clinicians, consumers and policy-makers in the Musculoskeletal community. Review summaries in different formats are increasingly available through newsletters, publications and websites.

Plain language summaries of Cochrane reviews on arthritis and other conditions are available free from the website of Arthritis Victoria, a consumer organisation: www.arthritisvic.org.au (under the 'Arthritis explained' heading). Arthritis Victoria also publishes summaries in their regular newsletter.

Knowledge Translation in Australia

- A series of articles targeting primary care physicians is currently being published in *Journal of Family Practice*, which has a circulation of 95,000. The series so far includes articles on the use of steroids or NSAIDs for gout, and pain management options for osteoarthritis.
- A series of articles targeting physiotherapists is underway this year in the international journal, *Physical Therapy*.
- New and updated Cochrane reviews appear regularly in the newsletter of the Australian Rheumatology Association.

If you would like to see information of this kind in your organisation's newsletter, journal or website, no matter which country you're in, please contact us at cmsg@uottawa.ca.



From left: Rachelle Buchbinder (Australia), Lara Maxwell (Canada), Renea Johnston (Australia); Cochrane Colloquium 2009, Singapore.

Seeking review authors

The Australian editorial base is responsible for supporting authors in the Australasian region and publishing reviews of interventions for soft tissue conditions and fibromyalgia. If you are interested in writing a review on any of these topics, another topic or are undecided about a topic we would be very pleased to hear from you. Comprehensive assistance is provided with literature searching and methodological advice and the opportunity to attend beginner and advanced workshops.

International Panel for Consumers in Arthritis Research

Join us!

We are at the beginning stages of assembling an international panel of people with arthritis who would be consulted regularly about research priorities, goals, choice of outcomes, patient values, and knowledge translation.

The panel will be consulted regularly (about 3-4 times per year) in our work with Cochrane and other research work relevant to arthritis. You may be asked to complete an online survey, participate in an interview or read written materials and give your thoughts.

People with personal experience with arthritis, either as a someone who has arthritis or is a family member or friend of a person with arthritis are eligible. Access to the internet and email is needed.

If you would like to join the panel, or if you can put us in touch with other people who might be interested, please contact Tamara Rader, Cochrane Musculoskeletal Group trader@uottawa.ca or phone (613) 562-5800 ext 2397

UPCOMING EVENTS

Join us at the Cochrane Canada 9th Annual Symposium - Early Exposure to Cochrane: Accessible, Credible, Practical. The 2011 symposium will be held at the Fairmont Pacific Rim in Vancouver, BC on 16 - 17 February 2011 with the presymposium program on 14 - 15 February.



International Clinical Research Fellows (ICRF) Program

The International Clinical Research Fellows (ICRF) Program supports fellowships to people interested in developing research collaborations in sub-Saharan Africa.

<http://www.fogartyscholars.org/fellows/icrf-rfa>

Increasing our influence: the 2009 Impact Factor

The 2009 impact factor for The Cochrane Library is 5.653. The 2009 impact factor for the CMSG group is 6.409 (22 publications cited 141 times).

Top 3 most cited reviews:

Alendronate for the primary and secondary prevention of osteoporotic fractures in postmenopausal women, Wells, GA et al. (cited 23 times in 2009)

Risedronate for the primary and secondary prevention of osteoporotic fractures in postmenopausal women, Wells, GA et al. (cited 23 times in 2009)

Effects of glucocorticoids on radiological progression in rheumatoid arthritis, Kirwan, JR et al. (cited 16 times in 2009)

Top 3 most accessed reviews (downloaded in full text):

Glucosamine therapy for treating OA, Towheed, T et al.: accessed 3869 times

Physiotherapy interventions for shoulder pain, Green S. et al.: accessed 3850 times

Aquatic Exercise for OA of the knee, Bartels, EM et al.: accessed 3013 times.

Our Funders - Thank you!

- Canadian Institute of Health Research (CIHR)
Knowledge Translation Branch
- CIHR Institutes Musculoskeletal Health and Arthritis,
- The Australian Government Department of Health and Ageing
- Cabrini Institute, Melbourne, Australia

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