

# RHEUMATOLOGY

VOLUME 48 NUMBER 12 DECEMBER 2009

## CONTENTS

### EDITORIALS

- The performing artist as an elite athlete  
*Howard A. Bird* 1469
- Pulmonary arterial hypertension in systemic lupus erythematosus: should we bother?  
*Marc Bijl, Hendrika Bootsma and Cees G. M. Kallenberg* 1471

### REVIEWS

- Psoriatic arthritis in Asia  
*Lai-Shan Tam, Ying-Ying Leung and Edmund K. Li* 1473
- Respirational manifestations of diffuse idiopathic skeletal hyperostosis  
*Reuven Mader, Piercarlo Sarzi-Puttini, Fabiola Atzeni, Ignazio Olivieri, Nicola Pappone, Jorrit-Jan Verlaan and Dan Buskila* 1478

### BASIC SCIENCE

- Modulation of OPG, RANK and RANKL by human chondrocytes and their implication during osteoarthritis  
*Steeve Kwan Tat, Nathalie Amiable, Jean-Pierre Pelletier, Christelle Boileau, Daniel Lajeunesse, Nicolas Duval and Johanne Martel-Pelletier* 1482
- The gene expression of type 17 T-helper cell-related cytokines in the urinary sediment of patients with systemic lupus erythematosus  
*Bonnie Ching-Ha Kwan, Lai-Shan Tam, Ka-Bik Lai, Fernand Mac-Moune Lai, Edmund Kwok-Ming Li, Gang Wang, Kai-Ming Chow, Philip Kam-Tao Li and Cheuk-Chun Szeto* 1491
- Impaired C3b/iC3b deposition on *Streptococcus pneumoniae* in serum from patients with systemic lupus erythematosus  
*Fiona Goldblatt, Jose Yuste, David A. Isenberg, Anisur Rahman and Jeremy Brown* 1498
- CT60 and +49 polymorphisms of CTLA 4 are associated with ANCA-positive small vessel vasculitis  
*Lavanya Kamesh, Joanne M. Heward, Julie M. Williams, Stephen C. L. Gough, Konstantina Maria Chavale, Alan Salama, Charles Pusey, Caroline O. S. Savage and Lorraine Harper* 1502

### CLINICAL

-  Prevalence and risk factors for pulmonary arterial hypertension in patients with lupus  
*Athiveeraramapandian Prabu, Kiran Patel, Chee-Seng Yee, Peter Nightingale, Rohan D. Situnayake, David R. Thickett, Jonathan N. Townend and Caroline Gordon* 1506
- Impact of primary Sjögren's syndrome on smell and taste: effect on quality of life  
*Usama F. Kamel, Peter Maddison and Rhiannon Whitaker* 1512
- Benefits of ultrasonography in the management of early arthritis: a cross-sectional study of baseline data from the ESPOIR cohort  
*Thomas Funck-Brentano, Fabien Etchepare, Sandrine J. Joulin, Frédérique Gandjbakh, Valérie D. Pensec, Catherine Cyteval, Anne Miquel, Mathilde Benhamou, Frédéric Banal, Xavier Le Loet, Alain Cantagrel, Pierre Bourgeois and Bruno Fautrel* 1515
- Influence of recent exercise and skin temperature on ultrasound Doppler measurements in patients with rheumatoid arthritis—an intervention study  
*Karen Ellegaard, Søren Torp-Pedersen, Marius Henriksen, Hans Lund, Bente Danneskiold-Samsøe and Henning Bliddal* 1520
-  Nervous system dysfunction in Henoch-Schönlein syndrome: systematic review of the literature  
*Luca Garzoni, Federica Vanoni, Mattia Rizzi, Giacomo D. Simonetti, Barbara Goeggel Simonetti, Gian P. Ramelli and Mario G. Bianchetti* 1524
- Bone erosions at the distal ulna detected by ultrasonography are associated with structural damage assessed by conventional radiography and MRI: a study of patients with recent onset rheumatoid arthritis  
*Hilde B. Hammer, Espen A. Haavardsholm, Pernille Bøyesen and Tore K. Kvien* 1530
- Fatigue is a reliable, sensitive and unique outcome measure in rheumatoid arthritis  
*Patricia Minnock, John Kirwan and Barry Bresnihan* 1533
- Minimally important differences in the Mahler's Transition Dyspnoea Index in a large randomized controlled trial—results from the Scleroderma Lung Study  
*Dinesh Khanna, Chi-Hong Tseng, Daniel E. Furst, Philip J. Clements, Robert Elashoff, Michael Roth, David Elashoff and Donald P. Tashkin, for Scleroderma Lung Study Investigators* 1537



Hot Paper



Paediatric Rheumatology



Supplementary Data



Open Access Paper



Cumulative organ damage and prognostic factors in juvenile dermatomyositis: a cross-sectional study median 16.8 years after symptom onset  
*Helga Sanner, Jan-Tore Gran, Ivar Sjaastad and Berit Flatø* 1541



Numerical scoring for the Classic BILAG index  
*Lynne Cresswell, Chee-Seng Yee, Vernon Farewell, Anisur Rahman, Lee-Suan Teh, Bridget Griffiths, Ian N. Bruce, Yasmeen Ahmad, Athiveeraramapandian Prabu, Mohammed Akil, Neil McHugh, Veronica Toescu, David D'Cruz, Munther A. Khamashta, Peter Maddison, David A. Isenberg and Caroline Gordon* 1548

Autoimmunity and atherosclerosis: the presence of antinuclear antibodies is associated with decreased carotid elasticity in young women. The Cardiovascular Risk in Young Finns Study  
*Marja Pertovaara, Mika Kähönen, Markus Juonala, Tomi Laitinen, Leena Taittonen, Terho Lehtimäki, Jorma S. A. Viikari, Olli T. Raitakari and Mikko Hurme* 1553

Rheumatoid factor positivity rather than anti-CCP positivity, a lower disability and a lower number of anti-TNF agents failed are associated with response to rituximab in rheumatoid arthritis  
*Luca Quartuccio, Martina Fabris, Sara Salvin, Fabiola Atzeni, Marta Saracco, Maurizio Benucci, Marco Cimmino, Pia Morassi, Paola Masolini, Raffaele Pellerito, Maurizio Cutolo, Piercarlo Sarzi Puttini and Salvatore De Vita* 1557

Incidence and survival rates in Wegener's granulomatosis, microscopic polyangiitis, Churg–Strauss syndrome and polyarteritis nodosa  
*Aladdin J. Mohammad, Lennart T. H. Jacobsson, Kerstin W. A. Westman, Gunnar Sturfelt and Märten Segelmark* 1560

Longitudinal examination with shoulder ultrasound of patients with polymyalgia rheumatica  
*PierLuigi Macchioni, Maria Grazia Catanoso, Nicolò Pipitone, Luigi Boiardi and Carlo Salvarani* 1566



Clinical usefulness of anti-RNA polymerase III antibody measurement by enzyme-linked immunosorbent assay  
*Takashi Satoh, Osamu Ishikawa, Hironobu Ihn, Hirahito Endo, Yasushi Kawaguchi, Tetsuo Sasaki, Daisuke Goto, Kazuo Takahashi, Hiroki Takahashi, Yoshikata Misaki, Tsuneyo Mimori, Yoshinao Muro, Norihito Yazawa, Shinichi Sato, Kazuhiko Takehara and Masataka Kuwana* 1570

Response of elderly patients with rheumatoid arthritis to methotrexate or TNF inhibitors compared with younger patients  
*Marcus D. Köller, Daniel Aletaha, Julia Funovits, Aileen Pangan, Daniel Baker and Josef S. Smolen* 1575



Investigating the role of the interleukin-23/-17A axis in rheumatoid arthritis  
*Philippa Hillyer, Maggie J. Larché, Edward P. Bowman, Terrill K. McClanahan, Rene de Waal Malefyt, Lauren P. Schewitz, Grey Giddins, Marc Feldmann, Robert A. Kastelein and Fionula M. Brennan* 1581

Metastasis-inducing S100A4 protein is associated with the disease activity of rheumatoid arthritis  
*Lucie Ošlejškóvá, Mariam Grigorian, Hana Hulejová, Jiří Vencovský, Karel Pavelka, Jörg Klingelhöfer, Steffen Gay, Michel Neidhart, Hana Brabcová, David Suchý and Ladislav Šenolt* 1590

A prospective open-label study of mycophenolate mofetil for the treatment of diffuse systemic sclerosis  
*Chris T. Derk, Elizabeth Grace, Max Shenin, Manisha Naik, Steffan Schulz and Wen Xiong* 1595

Cardiovascular morbidity and mortality remain similar in two cohorts of patients with long-standing rheumatoid arthritis seen in 1978 and 1995 in Malmö, Sweden  
*Ulf Bergström, Lennart T. H. Jacobsson and Carl Turesson* 1600



Arterial stiffness and cumulative inflammatory burden in rheumatoid arthritis: a dose–response relationship independent of established cardiovascular risk factors  
*Michael A. Crilly, Vinod Kumar, Hazel J. Clark, Neil W. Scott, Alan G. MacDonald and David J. Williams* 1606

## LETTERS TO THE EDITOR



Injury and joint hypermobility syndrome in ballet dancers—a 5-year follow-up  
*Janet Briggs, Moira McCormack, Alan J. Hakim and Rodney Grahame* 1613

No evidence for association of the systemic lupus erythematosus-associated *ITGAM* variant, R77H, with rheumatoid arthritis in the Caucasian population  
*Amanda J. Phipps-Green, Ruth K. G. Topless, Marilyn E. Merriman, Nicola Dalbeth, Peter J. Gow, Andrew A. Harrison, John Highton, Peter B. B. Jones, Lisa K. Stamp, Pille Harrison, Bryan P. Wordsworth and Tony R. Merriman* 1614

Inflammatory profile in the cerebrospinal fluid of patients with central neuropsychiatric lupus, with and without associated factors  
*Hilda Frago-Loyo, Javier Cabiedes, Yvonne Richaud-Patin, Alejandro Orozco-Narváez, Betty Diamond, Luis Llorente and Jorge Sánchez-Guerrero* 1615

## CASE REPORTS

Lupus podocytopathy  
*Philip Shea-Simonds, Tom D. Cairns, Candice Roufousse, Terry Cook and Tim J. Vyse* 1616

Brain multiple sclerosis-like lesions in a patient with Muckle–Wells syndrome  
*Sandrine Compeyrot-Lacassagne, Tu-Anh Tran, Séverine Guillaume-Czitrom, Isabelle Marie and Isabelle Koné-Paut* 1618

## MATTERS ARISING

Comment on: Methotrexate pharmacogenomics in rheumatoid arthritis: introducing false positive report probability  
*Lorenzo Beretta* 1619

Comment on: Methotrexate pharmacogenomics in rheumatoid arthritis: introducing false positive report probability: reply  
*Thierry Dervieux* 1620

**BOOK REVIEW**

Fast Facts: Osteoarthritis, edited by Philip Conaghan and Leena Sharma  
*Rik J. Lories*

1621

**OBITUARY**

John Holborow (1918–2009)  
*Michael Denman, Jim Archer and Viv Winrow*

1622

**CLINICAL VIGNETTE**

Peripheral ulcerative keratitis: an unusual primary ocular manifestation in Behçet's disease?  
*Claire Murphy, Maria E. Gregory and Kanna Ramaesh*

1490

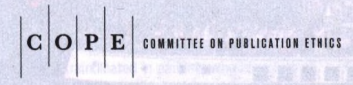
**EDITOR'S ACKNOWLEDGEMENT**

1624



MEETING SECRETARIAT  
ECTS 2010, rue de la  
12, rue de Lyon  
CH-1201 Geneva 13, Switzerland  
Tel: +41 (0)22 33 99 55  
Fax: +41 (0)22 33 99 60  
Email: ect2010@mcl-group.com

www.ectsoc.org



Rheumatology is a member of the Committee on Publication Ethics and is committed to the highest ethical standards in journal publishing



**Mixed Sources**  
Product group from well-managed forests and other controlled sources  
www.fsc.org Cert no. IT-COC-002769  
© 1996 Forest Stewardship Council