

Arthritis & Rheumatism

An Official Journal of the American College of Rheumatology
www.arthritisrheum.org and www.interscience.wiley.com

VOLUME 52

MARCH 2005

NO. 3

Special Articles

- Winners of the 2004 American College of Rheumatology Annual Slide Competition
Marc L. Miller and the ACR Audiovisual Aids Subcommittee 679
- Editorial: Ultrasonography: A Valid Method for Assessing Rheumatoid Arthritis?
Mikkel Østergaard and Marcin Szkudlarek..... 681
- Editorial: Targeting the Interleukin-6 Receptor: A New Treatment for Systemic Juvenile Idiopathic Arthritis?
Fabrizio de Benedetti and Alberto Martini 687
- Commentary: Academic Rheumatology: Not Just a Man's World
Mary K. Crow 694
- Women in Academic Rheumatology
Ingrid E. Lundberg, Seza Ozen, Ayse Gunes-Ayata, and Mariana J. Kaplan 697
- The National Bone and Joint Decade: Impact for Rheumatic Diseases
Stephen I. Katz 707
- Review: Chemokines and Their Receptors in Rheumatoid Arthritis: Future Targets?
Alisa E. Koch..... 710

Rheumatoid Arthritis

- Cardiovascular Death in Rheumatoid Arthritis: A Population-Based Study
Hilal Maradit-Kremers, Paulo J. Nicola, Cynthia S. Crowson, Karla V. Ballman, and Sherine E. Gabriel.... 722
- A Novel Ultrasonographic Synovitis Scoring System Suitable for Analyzing Finger Joint Inflammation in Rheumatoid Arthritis
Alexander K. Scheel, Kay-Geert A. Hermann, Elke Kahler, Daniel Pasewaldt, Jacqueline Fritz, Bernd Hamm, Edgar Brunner, Gerhard A. Müller, Gerd R. Burmester, and Marina Backhaus 733
- Magnetic Resonance Imaging Evidence of Tendinopathy in Early Rheumatoid Arthritis Predicts Tendon Rupture at Six Years
Fiona McQueen, Vaughan Beckley, Jeff Crabbe, Elizabeth Robinson, Sue Yeoman, and Neal Stewart..... 744
- Investigation of the *SLC22A4* Gene (Associated With Rheumatoid Arthritis in a Japanese Population) in a United Kingdom Population of Rheumatoid Arthritis Patients
Anne Barton, Stephen Eyre, John Bowes, Pauline Ho, Sally John, and Jane Worthington..... 752
- Rosiglitazone Induces Interleukin-1 Receptor Antagonist in Interleukin-1 β -Stimulated Rat Synovial Fibroblasts via a Peroxisome Proliferator-Activated Receptor β/δ -Dependent Mechanism
David Moulin, Arnaud Bianchi, Sandrine Boyault, Sylvie Sebillaud, Meriem Koufany, Mathias Francois, Patrick Netter, Jean-Yves Jouzeau, and Bernard Terlain 759
- CYP7B Expression and Activity in Fibroblast-Like Synoviocytes From Patients With Rheumatoid Arthritis: Regulation by Proinflammatory Cytokines
John Dulos, Monique A. J. van der Vleuten, Annemieke Kavelaars, Cobi J. Heijnen, and Annemieke M. Boots 770

Osteoarthritis and Cartilage

- Chondroitins 4 and 6 Sulfate in Osteoarthritis of the Knee: A Randomized, Controlled Trial
Beat A. Michel, Gerold Stucki, Diana Frey, Florent De Vathaire, Eric Vignon, Pius Bruehlmann, and Daniel Uebelhart 779
- Acetabular Dysplasia Predicts Incident Osteoarthritis of the Hip: The Rotterdam Study
M. Reijman, J. M. W. Hazes, H. A. P. Pols, B. W. Koes, and S. M. A. Bierma-Zeinstra 787
- Cruciate Ligament Integrity in Osteoarthritis of the Knee
Catherine L. Hill, Gwy Suk Seo, Daniel Gale, Saara Totterman, M. Elon Gale, and David T. Felson 794
- Hyaluronan Oligosaccharide-Induced Activation of Transcription Factors in Bovine Articular Chondrocytes
Shigeru Ohno, Hee-Jeong Im, Cheryl B. Knudson, and Warren Knudson 800
- Increase in the Expression of the Transmembrane Surface Receptor CD44v6 on Chondrocytes in Animals With Osteoarthritis
Carsten O. Tibesku, Thomas Szuwart, Stephanie A. Ocken, Adrian Skwara, and Susanne Fuchs 810

Childhood Arthritis

- Therapeutic Efficacy of Humanized Recombinant Anti-Interleukin-6 Receptor Antibody in Children With Systemic-Onset Juvenile Idiopathic Arthritis
Shumpei Yokota, Takako Miyamae, Tomoyuki Imagawa, Naomi Iwata, Shigeki Katakura, Masaaki Mori, Patricia Woo, Norihiro Nishimoto, Kazuyuki Yoshizaki, and Tadimitsu Kishimoto 818
- Patients With Antinuclear Antibody-Positive Juvenile Idiopathic Arthritis Constitute a Homogeneous Subgroup Irrespective of the Course of Joint Disease
Angelo Ravelli, Enrico Felici, Silvia Magni-Manzoni, Angela Pistorio, Cristina Novarini, Elena Bozzola, Stefania Viola, and Alberto Martini 826
- A Two-Year Prospective Controlled Study of Bone Mass and Bone Turnover in Children With Early Juvenile Idiopathic Arthritis
Gunhild Lien, Anne M. Selvaag, Berit Flatø, Margaretha Haugen, Odd Vinje, Dag Sørskaar, Knut Dale, Thore Egeland, and Øystein Førre 833

Systemic Lupus Erythematosus and Autoimmunity

- Electroencephalography in the Assessment of Neuropsychiatric Manifestations in Antiphospholipid Syndrome and Systemic Lupus Erythematosus
Christos E. Lampropoulos, Michael Koutroumanidis, Piero P. M. Reynolds, Ioannis Manidakis, Graham R. V. Hughes, and David P. D'Cruz 841
- Anti-Ribosomal P Protein Antibody in Human Systemic Lupus Erythematosus Up-Regulates the Expression of Proinflammatory Cytokines by Human Peripheral Blood Monocytes
Tatsuo Nagai, Yoshiyuki Arinuma, Tamiko Yanagida, Kazuhiko Yamamoto, and Shunsei Hirohata 847

Systemic Sclerosis

- Expression of Interleukin-21 Receptor in Epidermis From Patients With Systemic Sclerosis
Jörg H. W. Distler, Astrid Jüngel, Otylia Kowal-Bielecka, Beat A. Michel, Renate E. Gay, Haiko Sprott, Marco Matucci-Cerinic, Meike Chilla, Kristian Reich, Joachim R. Kalden, Ulf Müller-Ladner, Hanns M. Lorenz, Steffen Gay, and Oliver Distler 856
- Classification Analysis of the Transcriptome of Nonlesional Cultured Dermal Fibroblasts From Systemic Sclerosis Patients With Early Disease
Filemon K. Tan, Bernard August Hildebrand, Malisa S. Lester, David N. Stivers, Stanley Pounds, Xiaodong Zhou, Debra D. Wallis, Dianna M. Milewicz, John D. Reveille, Maureen D. Mayes, Li Jin, and Frank C. Arnett, Jr. 865
- Recruitment of Topoisomerase I (Scl-70) to Nucleoplasmic Proteasomes in Response to Xenobiotics Suggests a Role for Altered Antigen Processing in Scleroderma
Min Chen, Assemgul Dittmann, Annegret Kuhn, Thomas Ruzicka, and Anna von Mikecz 877

Spondylarthropathy

- Cartilage Biomarkers in Ankylosing Spondylitis: Relationship to Clinical Variables and Treatment Response
Tae-Hwan Kim, Millicent Stone, Ursula Payne, Xiang Zhang, Mirela Ionescu, Tatiana Lobanok, Lindsay King, A. Robin Poole, and Robert D. Inman 885
- HLA-B27-Restricted CD8+ T Cell Response to Cartilage-Derived Self Peptides in Ankylosing Spondylitis
Pamir Atagunduz, Heiner Appel, Wolfgang Kuon, Peihua Wu, Andreas Thiel, Peter-Michael Kloetzel, and Joachim Sieper 892

Vasculitis

- A Serum Proteomic Approach to Gauging the State of Remission in Wegener's Granulomatosis
John H. Stone, Vinodh N. Rajapakse, Gary S. Hoffman, Ulrich Specks, Peter A. Merkel, Robert F. Spiera, John C. Davis, E. William St.Clair, Joseph McCune, Sally Ross, Ben A. Hitt, Timothy D. Veenstra, Thomas P. Conrads, Lance A. Liotta, and Emanuel F. Petricoin, III, for the Wegener's Granulomatosis Etanercept Trial (WGET) Research Group 902
- PEGylated Interferon Alfa-2b and Ribavirin Treatment in Patients With Hepatitis C Virus-Related Systemic Vasculitis
Patrice Cacoub, David Saadoun, Nicolas Limal, Damien Sene, Olivier Lidove, and Jean-Charles Piette 911

Dr. Lockshin to Handle Review of Manuscripts Submitted On or After April 1 915

Gout

- Febuxostat, a Novel Nonpurine Selective Inhibitor of Xanthine Oxidase: A Twenty-Eight-Day, Multicenter, Phase II, Randomized, Double-Blind, Placebo-Controlled, Dose-Response Clinical Trial Examining Safety and Efficacy in Patients With Gout
Michael A. Becker, H. Ralph Schumacher, Jr., Robert L. Wortmann, Patricia A. MacDonald, William A. Palo, Denise Eustace, Laurent Vernillet, and Nancy Joseph-Ridge 916

Drug Mechanisms and Actions

- Evaluation of the Pituitary–Adrenal Axis Function Following Single Intraarticular Injection of Methylprednisolone
Reuven Mader, Idit Lavi, and Rafael Luboshitzky 924
- Glucocorticoids Inhibit Osteocalcin Transcription in Osteoblasts by Suppressing Egr2/Krox20-Binding Enhancer
Nathalie Leclerc, Tommy Noh, Arvinder Khokhar, Elisheva Smith, and Baruch Frenkel..... 929

Experimental Arthritis

- Erythropoietin Reduces the Degree of Arthritis Caused by Type II Collagen in the Mouse
Salvatore Cuzzocrea, Emanuela Mazzon, Rosanna di Paola, Tiziana Genovese, Nimesh S. A. Patel, Domenico Britti, Massimo de Majo, Achille P. Caputi, and Christoph Thiemermann..... 940
- Amelioration of Acute Inflammation by Systemic Administration of a Cell-Permeable Peptide Inhibitor of NF- κ B Activation
Paola di Meglio, Angela Ianaro, and Sankar Ghosh 951
- Accelerating Effect of an MRL Gene Locus on the Severity and Onset of Arthropathy in DBA/1 Mice
Hisashi Oishi, Tatsuhiko Miyazaki, Shinichi Mizuki, Junji Kamogawa, Ling-Min Lu, Takahito Tsubaki, Norimasa Arita, Masao Ono, Haruyasu Yamamoto, and Masato Nose 959
- Joint Inflammation and Chondrocyte Death Become Independent of Fc γ Receptor Type III by Local Overexpression of Interferon- γ During Immune Complex–Mediated Arthritis
K. C. A. M. Nabbe, P. Boross, A. E. M. Holthuysen, A. W. Sloëtjes, J. K. Kolls, S. Verbeek, P. L. E. M. van Lent, and W. B. van den Berg 967
- Induction of Cartilage Damage by Overexpression of T Cell Interleukin-17A in Experimental Arthritis in Mice Deficient in Interleukin-1
Marije I. Koenders, Erik Lubberts, Birgitte Oppers-Walgreen, Liduine van den Bersselaar, Monique M. Helsen, Jay K. Kolls, Leo A. B. Joosten, and Wim B. van den Berg..... 975

Concise Communication

- Interleukin-18 Receptor Signaling Is Not Required for Autoantibody Production and End-Organ Disease in Murine Lupus
Ling Lin and Stanford L. Peng..... 984

Erratum

- Error in Identification of Histograms in Figure 2B of Article by Hirohata et al (Arthritis Rheum, December 2004) 986

Letters

- Septic Arthritis Due to *Listeria monocytogenes* in a Patient Receiving Etanercept
Satish Rachapalli and Simon O'Daunt 987
- Chronic Sarcoid Arthritis Treated with Intraarticular Etanercept
Kathryn Hobbs 987
- Antiphospholipid Syndrome Nephropathy in Antiphospholipid Antibody–Positive Patients With Systemic Lupus Erythematosus: Comment on the Article by Tektonidou et al
Cengiz Korkmaz..... 988
- Reply
Maria G. Tektonidou..... 989

Clinical Images

- Pachydermodactyly
J. D. Akikusa, M. Weinstein, and R. M. Laxer 990

Cover image: The figure on the cover (from Scheel et al, page 736) shows an ultrasound image of a proximal interphalangeal joint of a patient with rheumatoid arthritis. Ultrasound allows visualization of synovitis, which can be graded to provide a standardized measure of inflammation. Color has been added to the image to facilitate visualization.