The Journal of Rheumatology is a monthly international serial edited by Earl D. Silverman featuring research articles on clinical subjects from scientists working in rheumatology and related fields.
Editorials

Is the Double Contour Sign Specific for Gout? Or Only for Crystal Arthritis?
J.A. Singh, N. Dalbeth ........................................... 353

Intestinal Dysbiosis and Potential Consequences of Microbiome-altering Antibiotic Use in the Pathogenesis of Human Rheumatic Disease J.U. Scher ........................................... 355

Is There Hope for Juvenile Idiopathic Arthritis Patient-reported Outcomes in Support of Clinical Decisions? R.J. Burchette ........................................... 358

Ultrasound Measurement of Cartilage Thickness in Childhood Arthritis — Target the Tissue, Tailor the Technique S. Magni-Manzoni ........................................... 360

Review

The Role of Innate Immunity in OA: When Our First Line of Defense Goes On the Offensive E.W. Orlowsky, V.B. Kraus ........................................... 363

Articles

Rates of Serious Infections and Malignancies Among Patients with RA Receiving Either TNFi or Rituximab Therapy K.J. Aaltonen, J.T. Joensuu, L. Virkki, et al ............... 372

Facilitators and Barriers to Adherence in the Initiation Phase of DMARD Use in Patients with Arthritis Who Recently Started Their First DMARD Treatment A. Pasma, A. van’t Spijker, J.J. Luime, M.J.M. Walter, J.J.V. Busschbach, J.M.W. Hazes ........................................... 379

High Degree of Nonadherence to Disease-modifying Antirheumatic Drugs in Patients with RA V. Rauscher, M. Englbrecht, D. van der Heijde, G. Schett, A.J. Hueber ........................................... 386


Association Between Corrected QT Interval and Inflammatory Cytokines in RA A.M. Adlan, V.F. Panoulas, J.P. Smith, J.P. Fisher, G.D. Kitas ........................................... 421


Isolated Hematuria and Sterile Pyuria May Indicate SLE Activity J.Y.C. Ding, D. Ibañez, D.D. Gladman, M.B. Urowitz ............... 437

Neurocognitive Impairment in Corticosteroid-naive Patients with Active SLE: A Prospective Study K. Nishimura, M. Omori, Y. Katsumata, et al ........................................... 441


Effects of Macitentan and Its Active Metabolite on Cultured Human SSCs and Control Skin Fibroblasts M. Cutolo, P. Montagna, R. Brizzolara, et al ........................................... 456


Quantification of Circumferential Syndesmophyte Height along the Vertebral Rim in Ankylosing Spondylitis Using Computed Tomography S. Tan, J. Yao, J.A. Flynn, L. Yao, M.M. Ward ........................................... 472

Longterm (52-week) Results of a Phase III Randomized, Controlled Trial of Apremilast in Patients with PsA A. Kavanaugh, P.J. Mease, J.J. Gomez-Reino, et al ........................................... 479

Outcome of Takayasu Arteritis with Inactive Disease at Diagnosis: The Extent of Vascular Involvement As a Predictor of Activation S. Hong, S-H. Bae, S.M. Ahn, et al ........................................... 489

Contents continued on page xxii
Takayasu Arteritis-associated Pulmonary Hypertension
X. Wang, A. Dang, B. Chen, N. Lv, Q. Liu .......................... 495

Modifiable Factors Associated with Allopurinol Adherence
and Outcomes Among Patients with Gout in an
Integrated Healthcare System
N. Rashid, B.W. Coburn, Y-L. Wu, et al. ......................... 504

Distinguishing Gouty Arthritis from Calcium
Pyrophosphate Disease and Other Arthritides
C. Löffler, H. Sattler, L. Peters, U. Löffler, M. Uppenkamp,
R. Bergner .......................................................... 513

Pediatric Rheumatology
Repeated Exposure to Antibiotics in Infancy:
A Predisposing Factor for JIA or a Sign of This Group’s
Greater Susceptibility to Infections?
M. Arvonen, L.J. Virta, T. Pokka, L. Kröger, P. Vähäsalo .. 521

Patient-reported Joint Count in JIA: The Reliability of a
Manikin Format
M.E. Dijkstra, J. Anink, P.A. van Pelt,
J.M. Hazes, L.W.A. van Suijlekom-Smit .......................... 527

Cartilage Thickness of the Knee Joint in JIA: Comparative
Assessment by Ultrasonography and MRI
D.O. Pradsgaard, B. Fiirgaard, A.H. Spannow, C. Heuck,
T. Herlin .......................................................... 534

Safety and Efficacy of Rituximab in Childhood-onset SLE
and Other Rheumatic Diseases
A. Tambralli, T. Beukelman,
R.Q. Cron, M.L. Stoll ............................................. 541

Images in Rheumatology
Calcinosis and Rapidly Destructive Arthopathy
Associated with Anti-Jo1 Antibody
L.H. Lee, A. Srikanth, A. Gupta ................................. 547

An Unusual Cause of Low Back Pain
L.A. Holzer, A. Leithner ............................................. 549

Progressive Multifocal Leukoencephalopathy Associated
with Belimumab in a Patient with SLE
C. Leblanc-Trudeau, A. Masetto, C. Boci .......................... 551

Correspondence
Interleukin-34: A Potential Diagnostic and Therapeutic
Target for RA
W. He, X-D. Xu, Y-M. Dong, H. Wu .......................... 553

Reply
S-J. Moon, J-K. Min ............................................. 553

Letters
Autologous Hematopoietic Stem Cell Transplant for SSc
Improves Anemia from Gastric Antral Vascular Ectasia
A. Bhattacharyya, J. Sahhar, S. Milliken, et al .................. 554

A Case of RA Associated with SMAD3 Gene Mutation:
A New Clinical Entity?
E. Berthet, N. Hanna, C. Giraud, M. Soubrier ................ 556

Pancytopenia in a Patient with PsA Treated with
Methotrexate and Concomitant Lithium
A.B. Maharaj, V. Chandran ....................................... 557

Book Review
Osteoporosis (2nd Edition) ........................................ 558

Correction
Anticyclic Citrullinated Peptide Antibodies in Rheumatoid
and Nonrheumatoid Rheumatic Disorders: Experience with
1162 Patients
J. Payet, C. Goulvestre, L. Bialé,

Meetings in Rheumatology ........................................ x