

ARD

Annals of the Rheumatic Diseases

Leaders	1 Osteoporosis in rheumatological practice: questions to be answered Cyrus Cooper
	3 Fibromyalgia: why such controversy? Don L Goldenberg
Review	6 Sex hormones, glucocorticoids and autoimmunity: facts and hypotheses José António P Da Silva
Case studies in diagnostic imaging	17 Causes and investigation of increasing dyspnoea in rheumatoid arthritis J C Hacking, C D R Flower
Lesson of the month	20 Paraplegia with sclerotic vertebral lesions X Chevalier, M Marty, P Hernigou, <i>et al</i>
Notes/News + Book reviews	22 Forthcoming events • The handbook of immunopharmacology • Rheumatology • Oxford textbook of rheumatology • Bone histomorphometry
Extended reports	25 Immunolocalisation studies on six matrix metalloproteinases and their inhibitors, TIMP-1 and TIMP-2, in synovia from patients with osteo- and rheumatoid arthritis R M Hembry, M R Bagga, J J Reynolds, <i>et al</i>
	33 Interleukin-6 in relation to other proinflammatory cytokines, chemotactic activity and neutrophil activation in rheumatoid synovial fluid Miek A van Leeuwen, Johanna Westra, Pieter C Limburg, <i>et al</i>
	39 Radiolabelled lymphocyte migration in rheumatoid synovitis C Jorgensen, I Couret, C Bologna, <i>et al</i>
	45 Hip involvement in early rheumatoid arthritis Kerstin Eberhardt, Eva Fex, Kjell Johnsson, <i>et al</i>
	49 Rheumatoid arthritis, corticosteroid therapy and hip fracture C Cooper, C Coupland, M Mitchell
	53 Factors affecting radiographic progression of knee osteoarthritis Joanna Ledingham, Marian Regan, Adrian Jones, <i>et al</i>
	59 PPD and hsp65 induced monoarthritis initiates spontaneous recurrent flares in Lewis rats Silvia Ragno, Christopher J Morris, Adam Coumbe, <i>et al</i>
Concise reports	66 Steroid induced osteoporosis: an opportunity for prevention? I David Peat, Susan Healy, David M Reid, <i>et al</i>
	69 Natural killer cells and $\gamma\delta$ T cells in scleroderma: relationship to disease duration and anti-Scl-70 antibodies Randall F Holcombe, Bruce A Baethge, Robert E Wolf, <i>et al</i>
	73 Prevalence of β_2-glycoprotein I antibody in systemic lupus erythematosus patients with β_2-glycoprotein I dependent antiphospholipid antibodies J Matsuda, N Saitoh, M Gotoh, <i>et al</i>
Matters arising	76 Antiperinuclear factor in the polyarticular form of juvenile chronic arthritis: are use of frozen material or age of patients relevant? Jean-Marie Berthelot; Cem Gabay, O Meyer; Gideon Nesher, Thomas G Osborn, Terry L Moore
Letters to the editor	77 Chronic calcifying pancreatitis in rheumatic diseases C Hortas, G de las Heras, M J López-Arias, <i>et al</i>
	78 Small bowel telangiectasia in scleroderma G Vautier, E McDermott, J E Carty, <i>et al</i>
Correction	78

Front cover: Synovium *ex vivo* showing bright stromelysin immunofluorescence of connective tissue matrix. Hembry *et al*, p 25 this issue.

VOLUME 54 · CONTENTS

No 1 JANUARY 1995

Leaders

- 1 Osteoporosis in rheumatological practice: questions to be answered *Cyrus Cooper*
 3 Fibromyalgia: why such controversy? *Don L Goldenberg*
- Review**
- 6 Sex hormones, glucocorticoids and autoimmunity: facts and hypotheses *José António P Da Silva*
- Case studies in diagnostic imaging**
- 17 Causes and investigation of increasing dyspnoea in rheumatoid arthritis *J C Hacking, C D R Flower*
- Lesson of the month**
- 20 Paraplegia with sclerotic vertebral lesions *X Chevalier, M Marty, P Hernigou, et al*
- Notes/News + Book reviews**
- 22 Forthcoming events • The handbook of immunopharmacology • Rheumatology • Oxford textbook of rheumatology • Bone histomorphometry
- Extended reports**
- 25 Immunolocalisation studies on six matrix metalloproteinases and their inhibitors, TIMP-1 and TIMP-2, in synovia from patients with osteo- and rheumatoid arthritis *R M Hembry, M R Bagga, J J Reynolds, et al*
 33 Interleukin-6 in relation to other proinflammatory cytokines, chemotactic activity and neutrophil activation in rheumatoid synovial fluid *Miek A van Leeuwen, Johanna Westra, Pieter C Limburg, et al*
 39 Radiolabelled lymphocyte migration in rheumatoid synovitis *C Jorgensen, I Couret, C Bologna, et al*
 45 Hip involvement in early rheumatoid arthritis *Kerstin Eberhardt, Eva Fex, Kjell Johnsson, et al*
 49 Rheumatoid arthritis, corticosteroid therapy and hip fracture *C Cooper, C Coupland, M Mitchell*
 53 Factors affecting radiographic progression of knee osteoarthritis *Joanna Ledingham, Marian Regan, Adrian Jones, et al*
 59 PPD and hsp65 induced monoarthritis initiates spontaneous recurrent flares in Lewis rats *Silvia Rago, Christopher J Morris, Adam Coumbe, et al*

Concise reports

- 66 Steroid induced osteoporosis: an opportunity for prevention? *I David Peat, Susan Healy, David M Reid, et al*
 69 Natural killer cells and γδ T cells in scleroderma: relationship to disease duration and anti-Scl-70 antibodies *Randall F Holcombe, Bruce A Baethge, Robert E Wolf, et al*
 73 Prevalence of β₂-glycoprotein I antibody in systemic lupus erythematosus patients with β₂-glycoprotein I dependent antiphospholipid antibodies *J Matsuda, N Saitoh, M Gotoh, et al*

Matters arising

- 76 Antiperinuclear factor in the polyarticular form of juvenile chronic arthritis: are use of frozen material or age of patients relevant? *Jean-Marie Berthelot; Cem Gabay, O Meyer; Gideon Nesher, Thomas G Osborn, Terry L Moore*

Letters to the editor

- 77 Chronic calcifying pancreatitis in rheumatic diseases *C Hortas, G de las Heras, M J López-Arias, et al*
 78 Small bowel telangiectasia in scleroderma *G Vautier, E McDermott, J E Carty, et al*

78 Correction

Leader

- 79 Gout: questions that still need to be answered *Robert A Terkeltaub*

Review

- 82 Clinical implications of osteoarthritis and ageing *David Hamerman*

Lesson of the month

- 86 Missed opportunity following diagnosis of gout *Sheila O'Reilly, Michael Doherty*

Notes/News

- 88 Manifesto • Forthcoming events

Book review

- 89 Connective tissue diseases

Extended reports

- 90 Increased concentrations of serum Lp(a) lipoprotein in patients with primary gout *Sumio Takahashi, Tetsuya Yamamoto, Yuji Moriwaki, et al*
 94 Electron spin resonance spectroscopic demonstration of the generation of reactive oxygen species by diseased human synovial tissue following ex vivo hypoxia-reoxygenation *D Singh, N B Nazhat, K Fairburn, et al*
 100 Prevalence and clinical features of lumbar zygapophysial joint pain: a study in an Australian population with chronic low back pain *Anthony C Schwarzer, Shih-chang Wang, Nikolai Bogduk, et al*
 107 Extreme variations in racial rates of total hip arthroplasty for primary coxarthrosis: a population-based study in San Francisco *Franklin T Hoaglund, Calvin S Oishi, Gus G Gialamas*
 111 Expression of ectopeptidases in scleroderma *George Bou-Gharios, Jason Osman, Amanda Atherton, et al*
 117 Investigation of the prevalence and clinical associations of antibodies to human fibronectin in systemic lupus erythematosus *M S Atta, K L Lim, D A Ala'deen, et al*

Concise reports

- 125 Familial aggregation of undifferentiated spondyloarthropathy associated with HLA-B7 *B L Kidd, P J Wilson, P R Evans, et al*

- 128 Matching prevalence of peripheral arthritis and acute anterior uveitis in individuals with ankylosing spondylitis *Walter P Maksymowich, Chung-Tei Chou, Anthony S Russell*

- 131 *Staphylococcus aureus* triggered reactive arthritis *Abdul Rahim M Siam, Mohammed Hammoudeh*

- 134 Benign cutaneous polyarteritis nodosa in children below 10 years of age—a clinical experience *Lata Kumar, B R Thapa, Bidisha Sarkar, et al*

- 137 Effect of cyclosporin A on interleukin-6 and soluble interleukin-2 receptor in patients with rheumatoid arthritis *A Crilly, S Kolta, M Dougados, et al*

- 140 Treatment of carrageenan induced arthritis by the platelet activating factor antagonist BN 50730 *P Hilliquin, J Natour, J Aissa, et al*

- 144 Urinary and synovial pyridinium crosslink concentrations in patients with rheumatoid arthritis and osteoarthritis *Luigi Singarella, Massimo Varenna, Lucia Binelli, et al*

- 148 Specificity of antinuclear antibodies in primary biliary cirrhosis *Ming-Jen Chou, Shu-Ling Lee, Tzy-Yen Chen, et al*

- 152 Community survey of shoulder disorders in the elderly to assess the natural history and effects of treatment *P C Vecchio, R T Kavanagh, B L Hazleman, et al*

Matters arising

- 155 Severe, disseminated, life threatening herpes zoster infection in a patient with rheumatoid arthritis treated with methotrexate *D W T Ching*

Letter to the editor

- 155 Secondary acute myeloid leukaemia with 7q- complicating azathioprine treatment for rheumatoid arthritis *C C Mok, Y L Kwong, C S Lau*

No 3 MARCH 1995

- Leader**
157 *Proteus—is it a likely aetiological factor in chronic polyarthritis?* *Hill Gaston*
- Review**
159 Controversies in lupus: nervous system involvement *G A W Bruyn*
- Case studies in diagnostic imaging**
168 Progressive shoulder arthropathy *W C G Peh, K M C Cheung*
- Lesson of the month**
174 Don't forget tuberculosis *S Patel, D A Collins, B E Bourke*
- Acknowledgments**
176 Acknowledgments
- Notes/News**
177 Forthcoming events
- Book review**
178 Practical Evaluation and Management of the Shoulder
- Extended reports**
179 Osteoarthritis of the hip joint and acetabular dysplasia in women *R W Smith, P Egger, D Coggan, et al*
182 Human lumbar apophyseal joint damage and intervertebral disc degeneration *M W Swanepoel, L M Adams, J E Smeathers*
189 Microalbuminuria in patients with rheumatoid arthritis *Lars Møller Pedersen, Henrik Nordin, Birthe Svensson, et al*
193 Reduced bone mineral content and normal serum osteocalcin in non-steroid-treated patients with juvenile rheumatoid arthritis *Cesare Polito, Ciro Giovanni Strano, Luciana Rea, et al*
197 Oral iloprost as a treatment for Raynaud's syndrome: a double blind multicentre placebo controlled study *J F Belch, H A Capell, E D Cooke, et al*
201 Neovascularisation and the induction of cell adhesion molecules in response to degradation products from orthopaedic implants *Najat Al-Saffar, James T L Mah, Yoshinori Kadoya, et al*
209 Cytokine and adhesion molecule expression in the minor salivary glands of patients with Sjögren's syndrome and chronic sialadenitis *Alberto Cauli, Ghada Yanni, Costantino Pitzalis, et al*
- Concise reports**
216 Shared amino acid sequences between major histocompatibility complex class II glycoproteins, type XI collagen and *Proteus mirabilis* in rheumatoid arthritis *C Wilson, A Ebringer, K Ahmadi, et al*
221 Decrease in anti-*Proteus mirabilis* but not anti-*Escherichia coli* antibody levels in rheumatoid arthritis patients treated with fasting and a one year vegetarian diet *J Kjeldsen-Kragh, T Rashid, A Dybwad, et al*
225 Antibody to *Mycobacterium tuberculosis* 65 kDa heat shock protein in patients with rheumatoid arthritis—A survey of antigen-specific antibody isotypes and subclasses in an endemic area of previous tuberculosis infection *Ning-Sheng Lai, Young-Liang Lan, Chia-Li Yu, et al*
229 Defective repair of O⁶-methylguanine-DNA in primary Sjögren's syndrome patients predisposed to lymphoma *Kunde Guo, Glenn Major, Helen Foster, et al*
- Letters to the editor**
233 Antineutrophil cytoplasmic antibodies and the eosinophilia myalgia syndrome *Armin Schnabel, Wolfgang L Gross, Peter A Berg, et al*
233 Silent myocardial infarction in Wegener's granulomatosis *Thomas Papo, Jean-Charles Piette, Rachid Laraki, et al*
- Leader**
235 Ulnar drift: or what not to teach students *J C W Edwards*
- Review**
237 Osteoarthritis and magnetic resonance imaging: potential and problems *C W Hutton, W Vennart*
- Notes/News**
244 Forthcoming events
- Extended reports**
245 Illness behaviour in patients with arthritis *M J Ahern, A C McFarlane, A Leslie, et al*
251 Assessment of cutaneous sensory and autonomic axon reflexes in rheumatoid arthritis *V A Jolliffe, P Anand, B L Kidd*
256 Evidence for differential effects of sulphasalazine on systemic and mucosal immunity in rheumatoid arthritis *Lars Kanerud, Gunilla Norhagen Engström, Andrej Tarkowski*
263 Joint space width measures cartilage thickness in osteoarthritis of the knee: high resolution plain film and double contrast macroradiographic investigation *J Christopher Buckland-Wright, Diana G Macfarlane, John A Lynch, et al*
269 Characterisation of anticytoplasmic antibodies and their clinical associations *Wei-Howe Koh, Juliet Dunphy, Jean Whyte, et al*
274 Loss of bone mineral density in premenopausal women with systemic lupus erythematosus *F Formiga, I Moga, J M Nolla, et al*
277 Experience with misoprostol therapy for NSAID gastropathy in children *Madlen Gazarian, Matitiahu Berkovitch, Gideon Koren, et al*
281 Cathepsin B in osteoarthritis: zonal variation of enzyme activity in human femoral head cartilage *Antonio Baici, Dorothy Hörlér, Angela Lang, et al*
289 Cathepsin B in osteoarthritis: cytochemical and histochemical analysis of human femoral head cartilage *Antonio Baici, Angela Lang, Dorothy Hörlér, et al*
298 Staphylococcal enterotoxin B increases the severity of type II collagen induced arthritis in mice *Paul H Wooley, Barbara Cingel*
- Concise reports**
305 A stiff collar can restrict atlantoaxial instability in rheumatoid cervical spine in selected cases *M Kauppi, P Anttila*
308 High resolution computed tomography of the lung in lifelong non-smoking patients with rheumatoid arthritis *W U Hassan, N P Keane, C D Holland, et al*
311 Lack of influence of non-inherited maternal HLA-DR alleles on susceptibility to rheumatoid arthritis *Alan J Silman, Elaine M Hay, Jane Worthington, et al*
314 CD4 T cells in the rheumatoid joint are oligoclonally activated and change during the course of disease *Hossein Ali Khazaei, Claudio Lunardi, Alex K So*
318 Interleukin-1 receptor antagonist production in cultured synovial cells from patients with rheumatoid arthritis and osteoarthritis *Yosuke Fujikawa, Masao Shingu, Takehiko Torisu, et al*
321 Polymorphism in the LMP2 gene influences susceptibility to extraspinal disease in HLA-B27 positive individuals with ankylosing spondylitis *Walter P MakSYMOWYCH, Maria Suarez-Almazor, Chung-Tei Chou, et al*
325 Lack of causal relationship between inducibility/severity of adjuvant arthritis in the rat and disease associated changes in production of nitric oxide by macrophages *Zdeněk Zídek, Daniela Franková, Berta Otová*
- Letter to the editor**
328 Wegener's granulomatosis of the elderly: a case report of uncommon severe gangrene of the feet *L La Civita, G Feracitano, C Ferri, et al*

No 5 MAY 1995

- Leaders**
- 329 Possible role of HLA-B27 associated cytotoxic T lymphocyte activity in the pathogenesis of the seronegative arthropathies *A F Geczy, J S Sullivan*
- 331 Different concepts of chronic musculoskeletal pain *Mark Awerbuch*
- Case studies in diagnostic imaging**
- 333 Imaging the swollen joint in the young patient *A Coral, C S Orgles, A Harvey*
- Notes/News**
- 337 Editor's report • Forthcoming events
- Book review**
- 338 Oxford textbook of sports medicine
- Extended reports**
- 339 Magnesium whitlockite deposition in articular cartilage: a study of 80 specimens from 70 patients *Colin A Scotchford, S Yousuf Ali*
- 345 Identification and functional importance of plasma kallikrein in the synovial fluids of patients with rheumatoid, psoriatic, and osteoarthritis *M M Rahman, K D Bhoola, C J Elson, M Lemon, P A Dieppe*
- 351 Apolipoprotein E phenotypes in patients with gout: relation with hypertriglyceridaemia *Yuji Moriwaki, Tetsuya Yamamoto, Sumio Takahashi, Zenita Tsutsumi, Kazuya Higashino*
- 355 Novel 68 kDa autoantigen detected by rheumatoid arthritis specific antibodies *S Bläß, C Specker, H-J Lakomek, E M Schneider, M Schwochau*
- 361 Endothelin-1 release from cultured endothelial cells induced by sera from patients with systemic lupus erythematosus *T Yoshio, J Masuyama, A Mimori, A Takeda, S Minota, S Kano*
- 366 Role of TNF α in the induction of antigen induced arthritis in the rabbit and the anti-arthritis effect of species specific TNF α neutralising monoclonal antibodies *Jo Lewthwaite, Simon Blake, Timothy Hardingham, et al*
- Concise reports**
- 375 Vertebral hyperostosis and diabetes mellitus: a case-control study *A Daragon, O Mejdad, P Czernichow, et al*
- 379 Intra-articular triamcinolone hexacetonide in knee osteoarthritis: factors influencing the clinical response *K Gaffney, J Ledingham, J D Perry*
- 382 Long term treatment of rheumatoid arthritis with high doses of intravenous immunoglobulins: effects on disease activity and serum cytokines *Christopher Muscat, Alberto Bertotto, Raffaella Ercolani, et al*
- 386 TAP polymorphism in patients with Behcet's disease *M Francisca González-Escribano, Javier Morales, J Raúl García-Lozano, et al*
- Symposium on Synovium (Part 1)**
- 389 Consensus statement *J C W Edwards, et al*
- 392 Synovial macrophages *N A Athanasou*
- 395 Synovial intimal fibroblasts *Jo C W Edwards*
- 398 Innervation of the synovium *P I Mapp*
- 404 Extracellular matrix of the synovial intimal cell layer *P A Revell, N Al-Saffar, S Fish, D Osei*
- 408 Synovial hyaluronate in rheumatoid arthritis binds C1q and is covalently bound to antibodies: a model for chronicity *Peter Prehm*
- 413 Interaction between synoviocytes and extracellular matrix in vitro *Steven E Carsons, Joyce Wolf*
- 417 Fluid movement across synovium in healthy joints: role of synovial fluid macromolecules *J R Levick, J N McDonald*
- 424 Synovial perfusion and synovial fluid solutes *Peter A Simkin*
- 429 Functions of hyaluronan *Torvard C Laurent, Ulla B G Laurent, J Robert E Fraser*
- 433 Effect of synovial fluid hyaluronan on the clearance of albumin from the canine knee *Stephen L Myers*
- 435 Abstracts
- Letters to the editor**
- 437 Effect of long term intramuscular gold therapy on the seroprevalence of *Helicobacter pylori* in patients with early rheumatoid arthritis *Leena Paimela, Marjatta Leirisalo-Repo, Timo U Kosunen*
- 437 Vertebral fracture induced by chronic contained rupture of aortic aneurysm *A Boonen, B Ghesquiere, R Westhovens, P Geusens, J Dequeker, S Boonen*
- Leaders**
- 439 Quality of life—a measure too far? *Alan Tennant*
- 441 Retroviruses in rheumatic diseases *Paul N Nelson*
- Review**
- 443 Skeletal evidence of osteoarthritis: a palaeopathological perspective *Robert D Jurmain, Lynn Kilgore*
- Lesson of the month**
- 451 Beware the steroid responsive nature of a pyrexial illness *S C M Richards, S K M Mukherjee, N D Hopkinson*
- Notes/News**
- 453 Forthcoming events
- Book reviews**
- 454 The management of musculoskeletal problems in the haemophilias • Acute rheumatic and immunological diseases: management of the critically ill patient
- Extended reports**
- 455 Work disability in early rheumatoid arthritis *Dirk Doeglas, Theo Suurmeijer, Boudien Krol, et al*
- 461 Ceiling effects of the Health Assessment Questionnaire and its modified version in some ambulatory rheumatoid arthritis patients *Gerold Stucki, Susanne Stucki, Pius Brühlmann, et al*
- 466 Cellular immunity to cartilage link protein in patients with inflammatory arthritis and non-arthritis controls *M C Doran, N J Goodstone, R N Hobbs, et al*
- 471 Phospholipid binding specificities and idiotype expression of hybridoma derived monoclonal autoantibodies from splenic cells of patients with systemic lupus erythematosus *C T Ravirajan, Ian Harmer, Tracy McNally, et al*
- 477 Appearance of calpain correlates with arthritis and cartilage destruction in collagen induced arthritic knee joints of mice *Zoltan Szomor, Katsuji Shimizu, Youichi Fujimori, et al*
- 484 Periarticular osteopenia in adjuvant induced arthritis: role of interleukin-1 in decreased osteogenic and increased resorative potential of bone marrow cells *Y Suzuki, M Tanihara, Y Ichikawa, et al*
- Concise reports**
- 491 Respiratory chain enzyme defects in patients with idiopathic inflammatory myopathy *Yolanda Campos, Joaquín Arenas, Ana Cabello, et al*
- 494 Cardiovascular functional disorder and stress among patients having neck-shoulder symptoms *Maarit Gockel, Harri Lindholm, Hannu Alaranta, et al*
- 498 Association between human parvovirus B19 infection and arthritis *P Cassinotti, S Bas, G Siegl, et al*
- Symposium on Synovium (Part 2)**
- 501 Activation of synovial fibroblasts in rheumatoid arthritis *Raimund W Kinne, Ernesta Palombo-Kinne, Frank Emmrich*
- 505 Oxygen radicals, nitric oxide and human inflammatory joint disease *Barry Halliwell*
- 511 Synovial membrane cellularity and vascularity *Oliver Fitzgerald, Barry Bresnihan*

No 7 JULY 1995

- 516 Synovial irritants: crystals, microbes and others—their implications for diagnosis, pathogenesis and therapy
H Ralph Schumacher Jr
- 519 Therapeutic modulation of cytokines *Brian Henderson*
- 524 Abstracts
- Matters arising**
- 529 Exposure to chemicals and systemic sclerosis *László Czirják, Zoltán Csiki, Zoltán Nagy, et al*
- Letters to the editor**
- 529 Acquired sideroblastic anaemia associated with penicillamine therapy for rheumatoid arthritis *L Kandola, A J Swannell, A Hunter*
- 530 Homozygous complement factor deficiency and primary antiphospholipid syndrome: a clinical and serological study *M R Julià, N Matamoros, J Milà, et al*
- 531 Might patients with HLA-B27 related diseases benefit from antiandrogenic treatment? *William H James*
- 532 Asymmetric rheumatoid vasculitis in a hemiplegic patient *A L Dolan*
- Leaders**
- 533 Mast cells in the rheumatoid lesion—ringleaders or innocent bystanders? *David E Woolley*
- 535 Parvovirus B19 and chronic arthritis—causal or casual association? *A D Woolf, B J Cohen*
- 536 New questions about the muscular dystrophies *David Gardner-Medwin*
- Case studies in diagnostic imaging**
- 539 Sciatica in degenerative spondylolisthesis of the lumbar spine *S Maheshwaran, A M Davies, N Evans, et al*
- Hypothesis**
- 544 Ankylosing spondylitis, IgA, and transforming growth factors *J R Archer*
- Notes/News**
- 547 Forthcoming events
- Book review**
- 548 Assessment of fracture risk and its application to screening for postmenopausal osteoporosis (WHO Technical Report Series No 843)
- Extended reports**
- 549 Distribution, activation and tryptase/chymase phenotype of mast cells in the rheumatoid lesion *Lynne C Tetlow, David E Woolley*
- 556 Evidence of impaired cartilage/bone turnover in patients with active ankylosing spondylitis *Wilhelm Marhoffer, Hilmar Stracke, Ibrahim Masoud, et al*
- 560 Effects of Th1 and Th2 cytokines on cytokine production and ICAM-1 expression on synovial fibroblasts *Jörg F Schlaak, Andreas Schwarting, Percy Knolle, et al*
- 566 Expression of CD44 on rheumatoid synovial fluid lymphocytes *Dermot Kelleher, Anne Murphy, Nicola Hall, et al*
- 571 Human shoulder tendon biopsy samples in organ culture produce procollagenase and tissue inhibitor of metalloproteinases *S Dalton, T E Cawston, G P Riley, et al*
- 578 Clinical implications of IgA rheumatoid factor subclasses *T Jönsson, H Thorsteinsson, S Arnbjarnarson, et al*
- 582 Microalbuminuria is associated with limited joint mobility in type I diabetes mellitus *Eduard Montaña, Antoni Rozadilla, Joan M Nolla, et al*
- 587 Epidemiology of adult Still's disease: estimate of the incidence by a retrospective study in west France *Geneviève Magadur-Joly, Eric Billaud, Jacques H Barrier, et al*
- 591 Antifibrotic action of interleukin-1 receptor antagonist in lapine monoarticular arthritis *Jo Lewthwaite, Simon Blake, Robert C Thompson, et al*
- Concise reports**
- 597 Persistence of parvovirus B19 in synovial fluid and bone marrow *S Nikkari, A Roivainen, P Hannonen, et al*
- 601 A tumour necrosis factor α polymorphism is not associated with rheumatoid arthritis *A G Wilson, N de Vries, L B A van de Putte, et al*
- 604 Pregnancy in granulomatous vasculitis *Fernanda Lima, Neil Buchanan, Luciana Froes, et al*
- Matters arising**
- 607 Similar anti-*Proteus mirabilis* titres in P₁ positive and P₁ negative individuals with rheumatoid arthritis *J Kjeldsen-Kragh, T Rashid, A Ebringer*
- Letters to the editor**
- 607 Early development of Hodgkin's lymphoma in association with the use of methotrexate for the treatment of dermatomyositis *Bassam F Bittar, Carlos D Rose*
- 608 Serum myosin light chain determinations in patients with inflammatory myopathy—a preliminary report *Reuven Mader, Rachel Pauzner, Edward C Keystone, et al*
- 609 Decreased triglyceride levels with low calorie diet and increased renal excretion of uric acid in hyperuricaemic-hyperlipidaemic patients *F J Tinahones, F J C-Soriguer, P Sanchez Guijo, et al*
- 610 Serum levels of interleukin-8 in patients with Behcet's disease *Kürşat Özoran, Olcay Aydintuğ, Güner Tokgöz, et al*

No 8 AUGUST 1995

- Leaders**
- 611 Feeling the pressure *Peter A Simkin*
- 613 Viability of chondroscopy as a means of cartilage assessment *Xavier Ayral, Maxime Dougados*
- Now and then**
- 615 Commented glossary for rheumatic spinal diseases, based on pathology *Robert J François, Frits Eulderink, Eric G L Bywaters*
- Lesson of the month**
- 626 Destructive large joint arthritis *Marian Regan, J K Lloyd Jones, J Snape*
- Notes/News**
- 628 Forthcoming events
- Book reviews**
- 629 Rheumatoid arthritis: pathogenesis, assessment, outcome and treatment
- Extended reports**
- 631 IgA1 and IgA2 subclass antibodies against *Klebsiella pneumoniae* in the sera of patients with peripheral and axial types of ankylosing spondylitis *O Mäki-Ikola, M Nissilä, K Lehtinen, et al*
- 636 Bronchial hyperreactivity in systemic sclerosis patients: influence of associated Sjögren's syndrome *Renato La Corte, Gianluigi Bajocchi, Alfredo Potena, et al*
- 640 Role of peripheral CD8 lymphocytes and soluble IL-2 receptor in predicting the duration of corticosteroid treatment in polymyalgia rheumatica and giant cell arteritis *Carlo Salvarani, Luigi Boiardi, Pierluigi Macchioni, et al*
- 645 Chondrocyte IGF-1 receptor expression and responsiveness to IGF-1 stimulation in mouse articular cartilage during various phases of experimentally induced arthritis *Pernette J Verschure, Jan van Marle, Leo A B Joosten, et al*
- 654 Detection of cytokine producing cells in the synovial membrane from patients with rheumatoid arthritis *Ann-Kristin Ulfsgren, Staffan Lindblad, Lars Klareskog, et al*
- 662 In vivo model of cartilage degradation—effects of a matrix metalloproteinase inhibitor *Eric H Karran, Timothy J Young, Roger E Markwell, et al*

- Concise reports**
- 670 Intra-articular pressure changes in rheumatoid and normal peripheral joints *K Gaffney, R B Williams, VA Jolliffe, et al*
- 674 Clinical significance of interleukin-6 measurement in early rheumatoid arthritis: relation with laboratory and clinical variables and radiological progression in a three year prospective study *Miek A van Leeuwen, Johanna Westra, Pieter C Limburg, et al*
- 678 HLA class II antigens associated with systemic lupus erythematosus in black South Africans *Martin Rudwaleit, Mohammed Tikly, Kathryn Gibson, et al*
- 681 Remitting seronegative symmetrical synovitis with pitting oedema: disease or syndrome? *T Schaeverbeke, E Fatout, S Marcé, et al*
- Matters arising**
- 685 Cartilage metabolism—a response *Steven L Myers, Kenneth D Brandt, L Dahlberg, H Roos, L S Lohmander, et al*
- 686 Autosomal dominant undifferentiated spondyloarthropathy not related to the HLA system *A Gaucher, P Pere, P Gillet, et al*
- Letters to the editor**
- 686 HLA associations of systemic lupus erythematosus in Chinese from Singapore *Martin Rudwaleit, Kathryn Gibson, Paul Wordsworth, et al*
- 687 Treatment of refractory reflex sympathetic dystrophy with pamidronate *Jean Francis Maillefert, Christine Chatard, Susannah Owen, et al*
- 687 Pericardial tamponade preceding cutaneous involvement in systemic sclerosis *C Perez-Bocanegra, V Fonollosa, C P Simeon, et al*
- Leaders**
- 689 Does it take sugar? A clinical role for measuring the glycosylation of IgG? *Anisur Rahman, David Isenberg*
- 692 Instruments to assess osteoarthritis—current status and future needs *Nicholas Bellamy*
- 694 Why the gender difference in susceptibility to rheumatoid arthritis? *Paul Brennan, Alan Silman*
- Hypothesis**
- 696 Is rheumatoid arthritis a failure of B cell death in synovium? *Jo C W Edwards, Jo Cambridge*
- Masterclass**
- 701 Teenager with an irritable hip, anaemia and malaise *R Hertzberger-ten Cate, B A C Dijkmans, F C Breedveld*
- Notes/News**
- 706 Forthcoming events
- Book review**
- 707 Autoimmune disease: focus on Sjögren's syndrome
- Extended reports**
- 708 Survival and drug discontinuation analyses in a large cohort of methotrexate treated rheumatoid arthritis patients *Graciela S Alarcón, Irene C Tracy, Gene M Strand, et al*
- 713 Increased levels of serum IgM antibody to staphylococcal enterotoxin B in patients with rheumatoid arthritis *Tomoki Origuchi, Katsumi Eguchi, Yojiro Kawabe, et al*
- 721 Association of locomotor complaints and disability in the Rotterdam study *Else Odding, Hans A Valkenburg, Douwe Algra, et al*
- 726 Lp(a) lipoprotein levels as a predictor of risk for thrombogenic events in patients with Behcet's disease *Asim Örem, Orhan Değér, Özcan Memiş, et al*
- 730 Plasma endothelin-1 levels in patients with systemic sclerosis: influence of pulmonary or systemic arterial hypertension *Sergio Morelli, Claudio Ferri, Letizia Di Francesco, et al*
- 735 Rheumatology education and management skills in general practice: a national study of trainees *Peter Lanyon, Daniel Pope, Peter Croft, in collaboration with the Primary Care Rheumatology Society*
- Concise reports**
- 740 Rheumatic fever: autoantibodies against a variety of cardiac, nuclear, and streptococcal antigens *Q G Eichbaum, E J Hughes, J E Epstein, et al*
- 744 Transforming growth factor β 2 in labial salivary glands in Sjögren's syndrome *Hannele Koski, Yrjö T Konttinen, Xu-Hong Gu, et al*
- 748 Primary Sjögren's syndrome in men *Juan-Manuel Anaya, George Tye Liu, Errol D'Souza, et al*
- 752 Increased serum IgE level and interleukin-4 release from cultured lymphocytes from a patient with adult onset Still's disease *Kenji Yokoi, Emiko Hosoi, Miwako Nakanishi, et al*
- 754 Maternal age influences risk for HLA-B27 associated ankylosing enthesopathy in transgenic mice *S Weinreich, B Hoebe, P Ivanyi*
- Symposium on Immunotherapy**
- 757 Introduction and overview *Gabrielle H Kingsley, Jerry Lanchbury, Gabriel S Panayi*
- 759 Abstracts
- Matters arising**
- 779 Effect of gold treatment on cytokine expression in synovium *Malcolm D Smith, G S Panayi*
- 779 Cytoplasmic staining, ANA negative status, and ENA testing in rheumatic diseases *W F Lems, D van Schaardenburg, R J van de Stadt, Wei Howe Koh, Neil John McHugh*
- Letters to the editor**
- 780 Relapsing polychondritis and Behcet's syndrome in a patient with HIV infection *J Belzunegui, J Cancio, J M Pego, et al*
- 780 Human leucocyte antigen typing in rheumatoid arthritis/polymyositis overlap syndrome *Arun Sharma, Bruce A Baethge, Jeffrey R Lisse, et al*
- 781 Cytidine deaminase is not released from degranulating polymorphonuclear neutrophils *Monique Hoekstra, John Kirwan*
- 782 Carpal tunnel syndrome as initial manifestation of inflammatory connective tissue diseases *Isidoro González-Alvaro, Inmaculada Carvajal, Miguel Estévez, et al*
- Leaders**
- 783 Treatment response in Paget's disease *Sanjeev Patel*
- 785 What you need to know when you go with the flow: pitfalls in the use of flow cytometry *Monica Pallis, R Adrian Robins*
- Review**
- 787 Rheumatological manifestations of haematological diseases *Sanj Menon, David A Isenberg*
- Lesson of the month**
- 796 Subcutaneous nodules in a patient with polyarthritis *C H Le, J P Dowling, K D Muirden*
- Notes/News**
- 798 Forthcoming events
- Book reviews**
- 800 Year book of rheumatology • Lyme borreliosis

	Extended reports 801 Risk of vertebral fracture and relationship to bone mineral density in steroid treated rheumatoid arthritis <i>N F A Peel, D J Moore, N A Barrington, et al</i> 807 Cut off values of bone mineral density defining postmenopausal women with bone fractures <i>Gian Galeazzo Riario-Sforza, Cristoforo Incorvaia, Antonella Scazzoso, et al</i> 811 Rheumatoid factor, chronic arthritis and mortality <i>M Heliövaara, K Aho, P Knekt, et al</i> 815 Use of high resolution computed tomography of the lungs in patients with rheumatoid arthritis <i>Bernard Cortet, René-Marie Flipo, Martine Rémy-Jardin, et al</i> 820 Urinary nitrate excretion is increased in patients with rheumatoid arthritis and reduced by prednisolone <i>Dirk O Stichnoth, Joachim Fauler, Henning Zeidler, et al</i> 825 Evidence for a causal relationship between the structure, size, and load of calcium pyrophosphate dihydrate crystals, and attacks of pseudogout <i>Angela Swan, Brigid Heywood, Barry Chapman, et al</i> 831 Proteoglycan depletion and size reduction in lesions of early grade chondromalacia of the patella <i>Urho Väätäinen, Tomi Häkinen, Ilkka Kiviranta, et al</i> 836 Proinflammatory cytokine production and cartilage damage due to rheumatoid synovial T helper-1 activation is inhibited by interleukin-4 <i>Joel A G van Roon, Johanna L A M van Roy, Ashley Duits, et al</i> 841 Differential distribution of annexins-I, -II, -IV, and -VI in synovium <i>N J Goulding, J Dixey, E F Morand, et al</i>
	Concise reports 846 Treatment of refractory juvenile chronic arthritis by monoclonal CD4 antibodies: a pilot study in two children <i>Gerd Horneff, Ute Dirksen, Hendrik Schulze-Koops, et al</i> 850 Comparison of clinical and self reported diagnosis for rheumatology outpatients <i>Iris Rasooly, Ann C Papageorgiou, Elizabeth M Badley</i> 853 Increased prevalence of symptomatic macrovascular disease in systemic sclerosis <i>D J Veale, T A Collidge, J J F Belch</i> 856 Myocardial gallium-67 citrate scintigraphy in patients with systemic sclerosis <i>J Gaál, I Hegedüs, K Dévényi, et al</i>
	Matters arising 859 Different concepts of musculoskeletal pain <i>John Quintner; Mark Awerbuch</i>
	Letter to the editor 860 Activated protein C resistance caused by factor V Arg 506 → Gln mutation has no role in thrombotic manifestations of Behcet's disease <i>Philippe Lesprit, Bertrand Wechsler, Jean-Charles Piette, et al</i>
No 11 NOVEMBER 1995	Leaders 861 Exercise in primary prevention of osteoporosis in women <i>E J Bassey</i> 863 Economic evaluation in rheumatology: a necessity for clinical studies <i>B Griffiths, P Emery, R Akehurst</i>
	Notes/News 865 Forthcoming events
	Book review 866 Chronic diseases in the year 2005
	Extended reports 867 Bone mineral density and bone turnover in spinal osteoarthritis <i>N F A Peel, N A Barrington, A Blumsohn, et al</i> 872 Accuracy and precision of joint space width measurements in standard and macroradiographs of osteoarthritic knees <i>J C Buckland-Wright, D G Macfarlane, S A Williams, et al</i> 881 Survival analysis of disease modifying antirheumatic drugs in Spanish rheumatoid arthritis patients <i>José De La Mata, Francisco J Blanco, Juan J Gómez-Reino</i> 886 Application of markers of collagen metabolism in serum and synovial fluid for assessment of disease process in patients with rheumatoid arthritis <i>Markku Hakala, Sari Åman, Reijo Luukkainen, et al</i> 891 Distribution of cases of systemic lupus erythematosus at time of first symptom in an urban area <i>N D Hopkinson, K R Muir, M A Oliver, et al</i> 896 Mast cells, cytokines, and metalloproteinases at the rheumatoid lesion: dual immunolocalisation studies <i>Lynne C Tetlow, David E Woolley</i> 904 Enhanced membrane expression of the 52 kDa Ro(SS-A) and La(SS-B) antigens by human keratinocytes induced by TNF α <i>Thomas Dörner, Matthias Hučko, Werner J Mayet, et al</i> 910 Human blood and synovial fluid neutrophils cultured in vitro undergo programmed cell death which is promoted by the addition of synovial fluid <i>A L Bell, M K Magill, R McKane, et al</i> 916 Differences in oxidative response of subpopulations of neutrophils from healthy subjects and patients with rheumatoid arthritis <i>Paul Eggleton, Ling Wang, John Penhallow, et al</i>
	Concise reports 924 The seroneurology of arthritis: discriminating between patients on the basis of their symptoms <i>P S Hellierwell</i> 927 Isolated nail fold vasculitis in rheumatoid arthritis <i>Richard A Watts, David M Carruthers, David G I Scott</i> 930 Interleukin-1 expression by neutrophils in rheumatoid arthritis <i>Julie A Quayle, Susan Adams, Roger C Bucknall, et al</i>
	Letters to the editor 934 Brown's syndrome: an important cause of diplopia in systemic lupus erythematosus <i>G Walters, J A Bradbury</i> 934 Mechanism of haematuria in lupus nephritis <i>Hirofumi Makino, Hidekata Kawasaki, Kazuharu Murakami, et al</i> 936 Successful application of high dose intravenous immunoglobulins in Sjögren's syndrome associated arthritis <i>R A Zeuner, J O Schroeder, F Schröder, et al</i> 936 Asymmetrical nodular osteoarthritis in a patient with a hemiparesis <i>J Etherington, T D Spector</i> 937 Sweet's syndrome associated with undifferentiated connective tissue syndrome <i>Yoshitaka Morita, Toshio Ogura, Masahiro Yamamura, et al</i>
No 12 DECEMBER 1995	Leaders 939 Understanding inorganic pyrophosphate metabolism: toward prevention of calcium pyrophosphate dihydrate crystal deposition <i>Lawrence M Ryan, Daniel J McCarty</i> 942 Prostaglandin endoperoxide synthetase isoenzymes: the clinical relevance of selective inhibition <i>J C Frölich</i>
	Viewpoints 944 Early rheumatoid arthritis: time to aim for remission? <i>Paul Emery, Michael Salmon</i> 948 Specific drugs for a complex disease: can there be a magic bullet against rheumatoid arthritis? <i>Hans Richard Barthel, Gerd R Burmester</i>
	Now and Then 951 'Arthritis' in Byzantium (AD 324–1453): unknown information from non-medical literary sources <i>John Lascaris</i>
	Notes/News 958 Forthcoming events

- Extended reports**
- 959 Shoulder disorders in general practice: incidence, patient characteristics, and management *Daniëlle A W M van der Windt, Bart W Koes, Bareld A de Jong, et al*
- 965 Hip osteoarthritis and dysplasia in Chinese men *E M C Lau, F Lin, D Lam, et al*
- 970 Determination of interstitial collagenase (MMP-1) in patients with rheumatoid arthritis *Shingo Maeda, Takashi Sawai, Miwa Uzuki, et al*
- 976 IL-1 has no direct role in the IGF-1 non-responsive state during experimentally induced arthritis in mouse knee joints *Pernette J Verschuren, Leo A B Joosten, Fons A J Van de Loo, et al*
- 983 HLA class II genes associated with anticentromere antibody in Japanese patients with systemic sclerosis (scleroderma) *Masataka Kuwana, Yutaka Okano, Junichi Kaburaki, et al*
- Concise reports**
- 988 Predominance of HLA-DRB1*0405 in Korean patients with rheumatoid arthritis *Ho-Youn Kim, Tai-Gyu Kim, Sung-Hwan Park, et al*
- 991 Factors associated with *Pneumocystis carinii* pneumonia in Wegener's granulomatosis *Bertrand Godeau, Jean-Luc Mainardi, Françoise Roudot-Thoraval, et al*
- 995 Immunohistochemical demonstration of fibronectin in the most superficial layer of normal rabbit articular cartilage *K Nishida, H Inoue, T Murakami*
- 999 **Author index**
- 1003 **Subject index**