

## Contents

- Intra-articular and circulating immune complexes and antiglobulins (IgG and IgM) in rheumatoid arthritis: correlation with clinical features F. C. HAY, L. J. NINEHAM, R. PERUMAL, AND I. M. ROITT *page 1*
- Juvenile rheumatoid arthritis with rice bodies: light and electron microscopic studies C. ROSALES WYNN-ROBERTS AND JAMES T. CASSIDY *page 8*
- Hypochlorhydria and hypergastrinaemia in rheumatoid arthritis T. J. DE WITTE, P. J. GEERDINK, C. B. LAMERS, A. M. BOERBOOMS, AND J. K. VAN DER KORST *page 14*
- Vertebral sclerosis in adults A. S. RUSSELL, J. S. PERCY, AND B. S. LENTLE *page 18*
- Rheumatoid arthritis in Kenya. I. Clinical observations L. R. BAGG, D. P. HANSEN, C. LEWIS, AND V. HOUBA *page 23*
- Rheumatoid arthritis in Kenya. II. Serological observations V. HOUBA, L. R. BAGG, D. P. HANSEN, AND T. BOWRY *page 26*
- Mechanism and treatment of hypertriglyceridaemia in gout T. GIBSON, K. KILBOURNE, I. HORNER, AND H. A. SIMMONDS *page 31*
- A thermographic and clinical comparison of three intra-articular steroid preparations in rheumatoid arthritis H. A. BIRD, E. F. J. RING, AND P. A. BACON *page 36*
- Leucapheresis in severe rheumatoid arthritis JERRY TENENBAUM, MURRY B. UROWITZ, EDWARD C. KEYSTONE, ISAAC L. DWOSH, AND JOHN E. CURTIS *page 40*
- Erbium-169 versus triamcinolone hexacetonide in the treatment of rheumatoid finger joints A. RUOTSI, M. HYPÉN, A. REKONEN, AND M. OKA *page 45*
- Methotrexate in Reiter's disease EVAN T. OWEN AND MILTON L. COHEN *page 48*
- The arthritic in an urban environment M. ANNE CHAMBERLAIN, JEAN M. BUCHANAN, AND HELGA HANKS *page 51*
- Chemical composition of human femoral head cartilage: influence of topographical position and fibrillation M. F. VENN *page 57*
- Glycolytic activity in human synovial lining cells in rheumatoid arthritis B. HENDERSON, LUCILLE BITENSKY, AND J. CHAYEN *page 63*
- Demonstration of protein AA in subcutaneous fat tissue obtained by fine needle biopsy PER WESTERMARK, BJÖRN STENKVIST, JACOB B. NATVIG, AND ELISABETH OLDING-STENKVIST *page 68*
- Ankylosing hyperostosis: a study of HLA A, B, and C antigens J. D. PERRY, H. WOLF, H. FESTENSTEIN, AND G. O. STOREY *page 72*
- Clinical significance of antibodies to ribonucleoprotein MILTON L. COHEN, BRUCE DAWKINS, ROGER L. DAWKINS, AND EVAN T. OWEN *page 74*
- Circulating immune complexes and monocyte Fc function in autoimmune diseases MÁRIA KÁVAI, KATALIN LUKÁCS, ILDIKÓ SONKOLY, KATAKIN PÁLÓCZI, AND GY. SZEGEDI *page 79*
- Hydroxyapatite phagocytosis by human polymorphonuclear leucocytes KENNETH H. MAURER AND H. RALPH SCHUMACHER *page 84*
- Monitoring of experimental arthritis in rabbits N. C. PHILLIPS AND D. P. PAGE-THOMAS *page 89*
- Reticulum cell sarcoma in azathioprine-treated systemic lupus erythematosus M. E. HEHIR, J. R. SEWELL, AND G. R. V. HUGHES *page 94*
- Book review *page 96*
- Notes *page 96*

## CONTENTS OF VOLUME 38

No. 1. FEBRUARY, 1979

Intra-articular and circulating immune complexes and antiglobulins (IgG and IgM) in rheumatoid arthritis: correlation with clinical features <i>F. C. Hay, L. J. Nineham, R. Perumal, and I. M. Roitt</i>	1
Juvenile rheumatoid arthritis with rice bodies: light and electron microscopic studies <i>C. Rosales Wynne-Roberts and James T. Cassidy</i>	8
Hypochlorhydria and hypergastrinaemia in rheumatoid arthritis <i>T. J. De Witte, P. J. Geerdink, C. B. Lamers, A. M. Boerbooms, and J. K. Van Der Korst</i>	14
Vertebral sclerosis in adults <i>A. S. Russell, J. S. Percy, and B. S. Lentle</i>	18
Rheumatoid arthritis in Kenya. I. Clinical observations <i>R. Bagg, D. P. Hansen, C. Lewis, and V. Houba</i>	23
Rheumatoid arthritis in Kenya. II. Serological observations <i>V. Houba, L. R. Bagg, D. P. Hansen, and T. Bowry</i>	26
Mechanism and treatment of hypertriglyceridaemia in gout <i>T. Gibson, K. Kilbourne, I. Horner, and H. A. Simmonds</i>	31
A thermographic and clinical comparison of three-intra-articular steroid preparations in rheumatoid arthritis <i>H. A. Bird, E. F. J. Ring, and P. A. Bacon</i>	36
Leucapheresis in severe rheumatoid arthritis <i>Jerry Tenenbaum, Murry B. Urowitz, Edward C. Keystone, Isaac L. Dwosh, and John E. Curtis</i>	40
Erbium-169 versus triamcinolone hexacetonide in the treatment of rheumatoid finger joints <i>A. Ruotsi, M. Hypén, A. Rekonen, and M. Oka</i>	45
Methotrexate in Reiter's disease <i>Evan T. Owen, and Milton L. Cohen</i>	48
The arthritic in an urban environment <i>M. Anne Chamberlain, Jean M. Buchanan, and Helga Hanks</i>	51
Chemical composition of human femoral head cartilage: influence of topographical position and fibrillation <i>M. F. Venn</i>	57
Glycolytic activity in human synovial lining cells in rheumatoid arthritis <i>B. Henderson, Lucille Bitensky, and J. Chayen</i>	63
Demonstration of protein AA in subcutaneous fat tissue obtained by fine needle biopsy <i>Per Westermark, Björn Stenkvist, Jacob B. Natvig, and Elisabeth Olding-Stenkvist</i>	68
Ankylosing hyperostosis: a study of HLA A, B, and C antigens <i>J. D. Perry, H. Wolf, H. Festenstein, and G. O. Storey</i>	72
Clinical significance of antibodies to ribonucleoprotein <i>Milton L. Cohen, Bruce Dawkins, Roger L. Dawkins, and Evan T. Owen</i>	74
Circulating immune complexes and monocyte Fc function in autoimmune diseases <i>Mária Kával, Katalin Lukács, Ildikó Sonkoly, Katakin Pálóczi, and Gy Szegedi</i>	79
Hydroxyapatite phagocytosis by human polymorphonuclear leucocytes <i>Kenneth H. Maurer, and H. Ralph Schumacher</i>	84
Monitoring of experimental arthritis in rabbits <i>N. C. Phillips, and D. P. Page-Thomas</i>	89

Reticulum cell sarcoma in azathioprine-treated systemic lupus erythematosus

*M. E. Hehir, J. R. Sewell, and G. R. V. Hughes*

Book review

Notes

No. 2. APRIL, 1979

Attitudes of the public to arthritis

*Elizabeth M. Badley, and Philip H. N. Wood*

Prevalence and incidence of the diagnosis of gout in Great Britain

*W. J. C. Currie*

Primary osteoarthritis of the hip and Heberden's nodes

*J. S. Marks, I. M. Stewart, and K. Hardinge*

Sacroiliitis detected by bone scintiscanning: a clinical, radiological, and scintigraphic follow-up study

*Ian M. Chalmers, Brian C. Lentle, John S. Percy, and Anthony S. Russell*

Behçet's syndrome: family study and the elucidation of a genetic role

*Louis Berman, Brian Trappler, Trevor Jenkins*

Treatment of rheumatoid arthritis with levamisole: long-term results and immune changes

*Lorne A. Runge, Robert S. Pinals, and Russell H. Tomar*

Indomethacin in rheumatoid arthritis: clinical effects, pharmacokinetics, and platelet studies in responders and nonresponders

*N. Baber, L. D. C. Halliday, W. J. A. Van Den Heuvel, R. W. Walker, R. Sibeon, J. P. Keenan, T. Littler, and L'E. Orme*

Whole body elemental composition during drug treatment of rheumatoid arthritis: a preliminary study

*A. C. Kennedy, K. Boddy, E. D. Williams, A. T. Elliott, J. Harvey, I. Holloway, and J. K. Haywood*

Effects of gold, dapsone, and prednisone on serum-C reactive protein and haptoglobin and the erythrocyte sedimentation rate in rheumatoid arthritis

*Brian McConkey, Paul Davies, R. A. Crockson, A. P. Crockson, M. Butler, T. J. Constable, and R. S. Amos*

An evaluation of repeat intra-articular injections of yttrium-90 colloids in persistent synovitis of the knee

*J. Winfield, and J. M. Gumpel*

Diflunisal in osteoarthritis of the hip and knee

*W. K. Essigman, M. A. Chamberlain, V. Wright*

Naproxen in juvenile chronic polyarthritis

*H. Moran, D. B. Hanna, B. M. Ansell, M. Hall, C. Engler*

How long should long be? Long-term trials in rheumatic diseases

*S. N. Ciccolunghi, H. A. Chaudri, and B. I. Schubiger*

IgA rheumatoid factor in the sera and saliva of patients with rheumatoid arthritis and Sjögren's syndrome

*James V. Dunne, Dennis A. Carson, Hans L. Spiegelberg, Margaret A. Alspaugh, and John H. Vaughan*

Synthesis of sulphated proteoglycans by rheumatoid and normal synovial tissue in culture <i>Joanne M. Marsh, O. W. Wiebkin, Sally Gale, H. Muir, and R. N. Maini</i>	166
Acetylator phenotype in spontaneous SLE and rheumatoid arthritis <i>D. H. Lawson, D. A. Henry, J. Lowe, P. Reavey, J. A. N. Rennie, and A. Solomon</i>	171
Serum copper and its relationship to clinical symptoms in rheumatoid arthritis <i>D. H. Brown, W. W. Buchanan, A. F. El-Ghobarey, W. E. Smith, and J. Teape</i>	174
Rapidly progressive scleroderma associated with carcinoma of the oesophagus <i>P. C. Mattingly, and A. G. Mowat</i>	177
Hypercholesterolaemic arthropathy in primary biliary cirrhosis <i>Peter R. Mills, Patrick J. Rooney, Geoffrey Watkinson, and Roderick N. M. MacSween</i>	179
Pyogenic arthritis presenting as a ruptured popliteal cyst <i>I. M. Stewart, D. R. Swinson, and K. Hardinge</i>	181
Heberden Society	183
Register of events in Rheumatology : 1979	193
Book reviews	196
Correspondence	197
Notes	200

### No. 3. JUNE, 1979

Heberden Oration, 1978. Recent studies on the control of joint damage: the contribution of the Strangeways Research Laboratory <i>J. T. Dingle,</i>	201
Directed migration of circulating polymorphonuclear leucocytes in patients with rheumatoid arthritis: a defect in the plasma <i>J. R. Walker, D. W. James, and M. J. H. Smith</i>	215
Abnormal polymorphonuclear leucocyte chemotaxis in Behcet's syndrome <i>D. W. James, J. R. Walker and M. J. H. Smith</i>	219
Airways obstruction in rheumatoid arthritis <i>D. M. Geddes, M. Webley, and P. A. Emerson</i>	222
The nail dystrophy of psoriatic arthritis <i>C. J. Eastmond and V. Wright</i>	226
Resumption of treatment with penicillamine after proteinuria <i>Hilary Hill, Alan Hill, and A. M. Davison</i>	229
Myelotoxicity of D-penicillamine <i>April G. L. Kay</i>	232
Metabolic inhibition of plaque-forming cells: comparison of human rheumatoid-factor-producing cells with mouse anti-sheep erythrocyte-producing cells <i>Terry L. Moore, Jean E. Rose and John H. Vaughan</i>	237
Quantitative sacroiliac scintigraphy in ankylosing spondylitis and Crohn's disease: a single family study <i>P. Davis</i>	241

Thrombokinetics in giant cell arteritis, with special reference to corticosteroid therapy

*Anna-Lisa Bergström, Bengt-Åke Bengtsson, Lars-Bertil Olsson, Bo-Eric Malmvall, and Jack Kutti*

The antiperinuclear factor. 1. The diagnostic significance of the antiperinuclear factor for rheumatoid arthritis

*Inez R. J. M. Sondag-Tschroots, C. Aaij, J. W. Smit, and T. E. W. Feltkamp*

Behaviour of effector cells, synovial fluids, and sera from rheumatoid arthritis patients in antibody-dependent cell-mediated cytotoxicity

*L. Anne Cooke, F. C. Hay, and R. Perumal*

Acute poststreptococcal glomerulonephritis in Maracaibo. II. Studies on the incidence nature, and significance of circulating anti-immunoglobulins

*Rawle M. McIntosh, Dana Rabideau, James E. Allen, Rafael Garcia, Lirimo Rubio, Ronald I. Carr, and Bernardo Rodriguez-Iturbe*

Collagenase production by rheumatoid synovial cells: morphological and immunohistochemical studies of the dendritic cells

*David E. Woolley, Constance E. Brinckerhoff, Carlo L. Mainardi, Carol A. Vater, John M. Evanson, and Edward D. Harris, Jr.*

Effect of oral D-penicillamine treatment on experimental arthritis and associated immune responses in rabbits. III: Reduction of the mono-articular arthritis

*I. M. Hunneyball G. A. Stewart, and D. R. Standworth*

Effect of hyperoxia on articular tissues in organ culture

*R. W. Jubb*

Patterns of induced variation in the morphology, hyaluronic acid secretion, and lysosomal enzyme activity of cultured human synovial cells

*J. R. E. Fraser, B. J. Clarris, and Elsmaree Baxter*

Effects of carrageenin on human synovial cells in vitro: morphology, hyaluronic acid production, growth, and the lysosomal system

*B. J. Clarris, J. R. E. Fraser, E. Baxter, and L. P. Malcolm*

Register of Events in Rheumatology: 1980

Correspondence

Book reviews

Notes

#### No. 4. AUGUST, 1979

The neuropsychiatric disorder in systemic lupus erythematosus: evidence for both vascular and immune mechanisms

*B. Bresnihan, R. Hohmeister, J. Cutting, R. L. Travers, M. Waldburger, C. Black, T. Jones, and G. R. V. Hughes*

Mechanical factors and patellofemoral osteoarthritis

*B. B. Seedhom, T. Takeda, M. Tsubuku, and V. Wright*

Sacroiliac joint abnormalities in paraplegics

*M. A. Khan, I. Kushner and A. A. Freehafer*

Rheumatic disease in Jamaica

*Wendell A. Wilson and Graham R. V. Hughes*

Acute gouty bursitis: report of 15 cases

*Juan J. Canoso and Robert A. Yood*

Palindromic rheumatism. II. Failure to detect circulating immune complexes during acute episodes <i>B. Thompson, I. Mohammed, E. J. Holborow, and H. L. F. Currey</i>	329
Clinical and radiographic features of spondylitis hip disease <i>J. S. Marks and K. Hardinge</i>	332
Indications for arthroscopy in mon- and polyarticular arthritis <i>Robert A. A. Bots and Agnes M. Th. Boerbooms</i>	337
Synoviorthesis with erbium-169: a double-blind controlled comparison of erbium-169 with corticosteroid <i>J. M. Gumpel, S. A. Matthews, and M. Fisher</i>	341
D-penicillamine and immune complex deposition <i>J. D. Kirby, P. A. Dieppe, E. C. Huskisson, and B. Smith</i>	344
Antibody-dependent and PHA-induced cellular cytotoxicity in rheumatoid arthritis <i>J. N. Rosenberg and H. L. F. Currey</i>	347
Immunoglobulin classes in skin basement membrane in systemic lupus erythematosus clinical significance and comparison with classes of serum anti-DNA antibodies <i>Barry Bresnihan, Gerard M. Hale, Christopher C. Bunn, and Graham R. V. Hughes</i>	351
Measurement of clinical change in progressive systemic sclerosis: a 1 year double-blind placebo-controlled trial of N-acetylcysteine <i>D. E. Furst, P. J. Clements, R. Harris, M. Ross, J. Levy, and H. E. Paulus</i>	356
Relationship between erythrocyte sedimentation rate and serum C-reactive protein in rheumatoid arthritis <i>L. Walsh, P. Davies, and B. McConkey</i>	362
Distribution of gold among plasma fractions in rheumatoid patients undergoing chrysotherapy compared with its distribution in plasma incubated with aurothiomalate in vitro <i>C. J. Danpure, D. A. Fyfe, and J. M. Gumpel</i>	364
Changes with age in the glycosaminoglycans of human articular cartilage <i>R. J. Elliott and D. L. Gardner</i>	371
In-vitro mobility of the lumbar spine <i>R. C. Hilton, J. Ball, and R. T. Benn</i>	378
Extensive soft tissue calcification (calcinosis universalis) in systemic lupus erythematosus <i>Abraham Weinberger, Jeffrey G. Kaplan, and Allen R. Myers</i>	384
Constrictive pericarditis, pyopericardium, and tamponade with rheumatoid arthritis <i>A. J. Marshall, W. C. Brownlee, and G. Keen</i>	387
Role of immune complexes in rheumatoid polyarteritis <i>James B. Farrell, Donald A. Person, Roger D. Rossen, and Martin D. Lidsky</i>	390
Septic arthritis due to <i>Pasteurella multocida</i> complicating rheumatoid arthritis <i>R. A. Williams and W. J. Fincham</i>	394
Ruptured hepatic aneurysm in systemic lupus erythematosus <i>C. N. McCollum, M. E. Sloan, A. M. Davison, and G. R. Giles</i>	396
Correspondence	399
Notes	400



No. 5. OCTOBER, 1979

Hypercalcaemia in rheumatoid arthritis : investigation of its causes and implications

*Alastair C. Kennedy, Baghat F. Allam, Patrick J. Rooney, Michael E. Watson, Angela Fairney, Keith D. Buchanan, and Catherine J. Hillyard*

401

Clinical and radiological features of osteonecrosis in systemic lupus erythematosus

*I. D. Griffiths, R. N. Maini, and J. T. Scott*

413

Another look at osteoarthritis

*E. C. Huskisson, P. A. Dieppe, A. K. Tucker, and L. B. Cannell*

423

Maintenance dose of penicillamine in rheumatoid arthritis: a comparison between a standard and a response-related flexible regimen

*H. F. H. Hill, A. G. S. Hill, A. T. Day, R. M. Brown, J. R. Golding, and W. H. Lyle*

429

An evaluation of criteria for polymyalgia rheumatica

*H. A. Bird, W. Eseslinkx, A. St. J. Dixon, A. G. Mowat, and P. H. N. Wood*

434

Effects of corticosteroids and local anaesthetics applied directly to the synovial vascular bed

*K. De Ceulaer, G. Balint, A. El-Ghobarey, and W. C. Dick*

440

Fate of herpes simplex virus in lymphocytes from inflammatory joint effusions I. Failure of the virus to grow in cultured lymphocytes

*D. J. A. Appleford and A. M. Denman*

443

Fate of herpes simplex virus in lymphocytes from inflammatory joint effusions. II. Mechanisms of non-permissiveness

*D. J. A. Appleford and A. M. Denman*

450

Search for viral nucleic sequences in rheumatoid cells

*Mary Norval and Carol Smith*

456

Metabolic alterations in human synovial lining cells in pigmented villonodular synovitis

*B. Henderson, Lucille Bitensky, J. J. Johnstone, A. Catterall, and J. Chayen*

463

Enhancement of urate solubility by connective tissue. II. Inhibition of sodium urate crystallisation by cation exchange

*Elaine Perricone and Kenneth D. Brandt*

467

Patients' expectations in relation to outcome of total hip replacement surgery

*Karen E. Burton, V. Wright, and J. Richards*

471

Yellow nail syndrome in rheumatoid arthritis : report of three cases

*Peter C. Mattingly and David H. Bossingham*

475

Juxta-articular adiposis dolorosa : What is it? Report of 2 cases

*J. Eisman and R. L. Swezey*

479

Successful valve replacement for aortic incompetence in rheumatoid arthritis with vasculitis

*M. Liew, D. Wilson, D. Horton, and A. Fleming*

483

Heberden Society

485

Book reviews

497

Correspondence

499

Notes

500

No. 6. DECEMBER, 1979

Studies on the frequency and pathogenesis of liver involvement in rheumatoid arthritis <i>L. Fernandes, S. Sullivan, I. G. McFarlane, B. M. Wojcicka, T. W. Warnes, A. L. W. F. Eddleston, E. B. D. Hamilton, and Roger Williams</i>	501
Viruses and lymphocytes in rheumatoid arthritis. I. Studies on cultured rheumatoid lymphocytes <i>Mary Norval, Helena Hart, and B. P. Marmion</i>	507
Viruses and lymphocytes in rheumatoid arthritis. II. Examination of lymphocytes and sera from patients with rheumatoid arthritis for evidence of retrovirus infection <i>Helena Hart, J. N. McCormick, and B. P. Marmion</i>	514
Antinuclear antibodies in ankylosing spondylitis, psoriatic arthritis, and psoriasis <i>J. N. Rosenberg, G. D. Johnson, and E. J. Holborow</i>	526
A comparative radiological study of the pubic symphysis in rheumatic disorders <i>D. L. Scott, C. J. Eastmond, and V. Wright</i>	529
In-vitro reactions of lymphocytes in rheumatoid arthritis and other rheumatic diseases <i>K. Froebel, R. D. Sturrock, P. Reynolds, A. Grennan, A. Roxburgh, and R. N. M. MacSween</i>	535
Single and double stranded DNA binding lymphocytes in the peripheral blood in patients with systemic lupus erythematosus and normal controls <i>S. Slavin and D. Sulitzeanu</i>	544
Changes in load bearing in the rheumatoid foot <i>Mira Sharma, M. Dhanendran, W. C. Hutton, and Mary Corbett</i>	549
Liposome-incorporated corticosteroids. II. Therapeutic activity in experimental arthritis <i>Nigel C. Phillips, D. Peter Page Thomas, C. Graham Knight, and John T. Dingle</i>	553
Accuracy of subjective measurements made with or without previous scores : an important source of error in serial measurement of subjective studies <i>Jane Scott and E. C. Huskisson</i>	558
Vertical or horizontal visual analogue scales <i>Jane Scott and E. C. Huskisson</i>	560
<i>Haemophilus influenzae</i> tenosynovitis <i>Sudhir Bansal, C. Richard Magnussen, and Rudolph J. Napodano</i>	561
Heberden Society : Combined Meeting, July 1979	563
Register of Events in Rheumatology : 1980	577
Correspondence	578
Obituary	580
Book reviews	581
Index	584