



Cover image: Comparison of FOI (CI) and MRI findings. Corresponding signal intensities in FOI and contrast-enhanced (gadolinium) MRI in PIP 2, 3, and 5 of the left hand (A, B). CI, composite image; FOI, fluorescence optical imaging. See page 507.

Editor

Tore K Kvien

Associate Editors

Francis Berenbaum
Hans Bijlsma
David Pisetsky
Dimitrios Boumpas
Gerd Burmester
Mary Crow
Iain McInnes

Editorial office

Annals of the Rheumatic Diseases
BMJ Publishing Group Ltd
BMA House
Tavistock Square
London WC1H 9JR, UK
T: +44 (0)20 7383 6250
F: +44 (0)20 7383 6668
E: ard@bmj.com
ISSN: 0003-4967 (print)
ISSN: 1468-2060 (online)
Impact Factor: 9.082

Disclaimer: ARD is owned and published by BMJ Publishing Group Ltd (a wholly owned subsidiary of the British Medical Association) and the European League Against Rheumatism. The owners grant editorial freedom to the Editor of ARD. ARD follows guidelines on editorial independence produced by the World Association of Medical Editors and the code on good publication practice of the Committee on Publication Ethics.

ARD is intended for medical professionals and is provided without warranty, express or implied. Statements in the journal are the responsibility of their authors and advertisers and not authors' institutions. The BMJ Publishing Group, the European League Against Rheumatism or the BMA unless otherwise specified or determined by law. Acceptance of advertising does not imply endorsement.

To the fullest extent permitted by law, the BMJ Publishing Group shall not be liable for any loss, injury or damage resulting from the use of ARD or any information in it whether based on contract, tort, or otherwise. Readers are advised to verify any information they choose to rely on.

Copyright: © 2012 BMJ Publishing Group and European League Against Rheumatism. All rights reserved; no part of this publication may be reproduced stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying recording, or otherwise without prior permission

ARD is published by BMJ Publishing Group Ltd typeset by Newgen and printed in the UK on acid-free paper from sustainable forests by Buxton Press, Buxton

Annals of the Rheumatic Diseases (ISSN: 0003-4967) is published monthly by BMJ Publishing Group and is distributed in the USA by Air Business Ltd. Periodicals postage paid at Jamaica NY 11431 POSTMASTER: send address changes to *Annals of the Rheumatic Diseases*, Air Business Ltd, c/o Worldnet Shipping Inc., 156-15, 146th Avenue, 2nd Floor, Jamaica, NY 11434, USA.

Editorials

- 475** Provisional diagnostic criteria for polymyalgia rheumatica: moving beyond clinical intuition?
R Spiera, R Westhovens
- 477** Ultrasound for enthesitis: handle with care!
P Mandl, D S Niedermayer, P V Balint

Viewpoint

- 480** Cardiovascular and metabolic risks in psoriasis and psoriatic arthritis: pragmatic clinical management based on available evidence
H Johnsson, I B McInnes, N Sattar

Criteria

- 484** 2012 provisional classification criteria for polymyalgia rheumatica: a European League Against Rheumatism/American College of Rheumatology collaborative initiative
B Dasgupta, M A Cimmino, H Maradit-Kremers, W A Schmidt, M Schirmer, C Salvarani, A Bachtu, C Dejaco, C Duftner, H S Jensen, P Duhaat, G Poór, N P Kaposi, P Mandl, P V Balint, Z Schmidt, A Iagnocco, C Nannini, F Cantini, P Macchioni, N Pipitone, M D Amo, G Espigol-Frigolé, M C Cid, V M Martínez-Taboada, E Nordborg, H Direskeneli, S Z Aydin, K Ahmed, B Hazleman, B Silverman, C Pease, R J Wakefield, R Luqmani, A Abril, C J Michet, R Marcus, N J Gontier, M Maz, R E Carter, C S Crowson, E L Matteson

Review

- 493** Delays in help seeking at the onset of the symptoms of rheumatoid arthritis: a systematic synthesis of qualitative literature
R J Stack, K Shaw, C Mallen, S Herron-Marx, R Horne, K Raza

Clinical and epidemiological research

- 498** Comparative study of MRI and power Doppler ultrasonography of the heel in patients with spondyloarthritis with and without heel pain and in controls
A Feydy, M-C Lavie-Brion, L Gossec, F Lavie, H Guerini, C Nguyen, F Rannou, J-L Drape, M Dougados
- 504** Inflammation assessment in patients with arthritis using a novel in vivo fluorescence optical imaging technology
S G Werner, H-E Langer, S Ohrndorf, M Bahner, P Schott, C Schwenke, M Schirmer, H Bastian, G Lind-Albrecht, B Kurtz, G R Burmester, M Backhaus
- 511** A longitudinal PRINTO study on growth and puberty in juvenile systemic lupus erythematosus
M Rygg, A Pistorio, A Ravelli, M Maghnie, N Di Iorgi, B Bader-Meunier, C Da Silva, R Roldan-Molina, J Barash, C Dracou, S G Laloum, K Jarosova, C J Deslandre, I Koné-Paut, F Garofalo, J Press, C Sengler, T Tauber, A Martini, N Ruperto for the Paediatric Rheumatology International Trials Organisation (PRINTO)
- 518** Development of new syndesmophytes and bridges in ankylosing spondylitis and their predictors: a longitudinal study
A van Tubergen, S Ramiro, D van der Heijde, M Dougados, H Mielants, R Landewé

- 524** Incidence of cancer in a nationwide population cohort of 7852 patients with primary Sjögren's syndrome in Taiwan
M-Y Weng, Y-T Huang, M-F Liu, T-H Lu
- 528** Multiple adverse pregnancy outcomes before symptom onset are associated with a worse disease outcome in women with recent-onset inflammatory polyarthritis
EM Camacho, SMM Verstappen, M Lunt, DK Bunn, DPM Symmons
- 534** Treating to target matrix metalloproteinase 3 normalisation together with disease activity score below 2.6 yields better effects than each alone in rheumatoid arthritis patients: T-4 Study
Y Urata, R Uesato, D Tanaka, Y Nakamura, S Motomura
- 541** Inliximab plus methotrexate is superior to methotrexate alone in the treatment of psoriatic arthritis in methotrexate-naive patients: the RESPOND study
*A Baranaukaite, H Raffayová, NV Kungurov, A Kubanova, A Venalis, L Helmle, S Srinivasan, E Nasonov, N Vastesaegeer, RESPOND investigators**
- 549** Screening for interstitial lung disease in systemic sclerosis: the diagnostic accuracy of HRCT image series with high increment and reduced number of slices
A Winkler, N Berger, B Maurer, O Distler, H Alkadhi, T Frauenfelder
- 553** Psoriasis patients with nail disease have a greater magnitude of underlying systemic subclinical enthesopathy than those with normal nails
Z R Ash, I Tinazzi, C Castillo-Gallego, C Kwoke, C Wilson, M Goodfield, P Gisondi, A L Tan, H Marzo-Ortega, P Emery, R J Wakefield, D G McGonagle, S Z Aydin
- 557** A population-based assessment of live births in women with systemic lupus erythematosus
E Vinet, J Labrecque, C A Pineau, A E Clarke, Y Si-Pierre, R Platt, S Bernatsky

MORE CONTENTS ►



This article has been chosen by the editor to be of special interest or importance and is freely available online.



Articles carrying the Unlocked Logo are freely available online under the BMJ Journals unlocked scheme. See <http://ard.bmj.com/info/unlocked.dtl>

C O P E COMMITTEE ON PUBLICATION ETHICS

This journal is a member of and subscribes to the principles of the Committee on Publication Ethics

www.publicationethics.org.uk



When you have finished with this please recycle it

- 560** Adalimumab in acute sciatica reduces the long-term need for surgery: a 3-year follow-up of a randomised double-blind placebo-controlled trial
S Genevay, A Finckh, P Zufferey, S Viatte, F Balagué, C Gabay
- 563** Interleukin-1 β -regulating antibody XOMA 052 (gevokizumab) in the treatment of acute exacerbations of resistant uveitis of Behçet's disease: an open-label pilot study
A Gül, I Tugal-Taskiran, C A Dinarello, L Reznikov, B A Esen, A Mirza, P Scannon, A Solinger
- 567** Novel genetic association of the *VTCN1* region with rheumatoid arthritis
N A Dahan, B A Lie, L A Trouw, G Stoeken, J J M Schonkeren, B Ding, T K Kvien, M W Schilham, L Padyukov, T W J Huizinga, R Toes
- 572** High level of functional dickkopf-1 predicts protection from syndesmophyte formation in patients with ankylosing spondylitis
G R Heiland, H Appel, D Poddubnyy, J Zwerina, A Hueber, H Haibel, X Baraliakos, J Listing, M Rudwaleit, G Schett, J Sieper
- 606** TNF blockade requires 1,25(OH) $_2$ D $_3$ to control human Th17-mediated synovial inflammation
J P van Hamburg, P S Asmawidjaja, N Davelaar, A M C Mus, F Cornelissen, J P T M van Leeuwen, J M W Hazes, R J E M Dolhain, P A G M Bakex, E M Colin, E Lubbers
- 613** Increased apoptotic chondrocytes in articular cartilage from adult heterozygous SirT1 mice
O Gabay, H Oppenheimer, H Meir, K Zaal, C Sanchez, M Dvir-Ginzberg
- 617** Quantification of circulating endothelial progenitor cells in systemic sclerosis: a direct comparison of protocols
M Kuwana, Y Okazaki
- 621** Cytokine levels in human synovial fluid during the different stages of acute gout: role of transforming growth factor β 1 in the resolution phase
A Scanu, F Oliviero, R Ramonda, P Frallonardo, J-M Dayer, L Punzi

Basic and translational research

- 575** Autophagy activation by rapamycin reduces severity of experimental osteoarthritis
B Caramés, A Hasegawa, N Taniguchi, S Miyaki, F J Blanco, M Lotz
- 582** Mitochondrial mutagenesis correlates with the local inflammatory environment in arthritis
L C Harty, M Biniacka, J O'Sullivan, E Fox, K Mulhall, D J Veale, U Fearon
- 589** Endoplasmic reticulum aminopeptidase 1 (ERAP1) exhibits functionally significant interaction with HLA-B27 and relates to subtype specificity in ankylosing spondylitis
N Haroon, F W Tsui, B Uchanska-Ziegler, A Ziegler, R D Inman
- 596** IgG from patients with pulmonary arterial hypertension and/or systemic sclerosis binds to vascular smooth muscle cells and induces cell contraction
G Bussone, M C Tamby, C Calzas, N Kherbeck, Y Sahbatou, C Sanson, K Ghazal, H Dib, B B Weksler, C Broussard, F Verrecchia, A Yaici, V Witko-Sarsat, G Simonneau, L Guillemin, M Humbert, L Mouthon
- 625** Ultrasonographic and MRI characterisation of the palindromic phase of rheumatoid arthritis
S Bugatti, R Caporali, A Manzo, G Sakellariou, S Rossi, C Montecucco
- 627** Diagnostic value of performing chest x-rays in patients presenting with recent-onset arthritis
J K de Vries-Bouwstra, T W J Huizinga, L N Willems, A H M van der Helm-van Mil
- 628** Efficacy of tocilizumab in rituximab-refractory cryoglobulinemia vasculitis
C Cohen, A Mekinian, N Saidenberg-Kermanac'h, J Stürnemann, P Fenaux, R Gherardi, O Fain
- 630** Further genomic testing and histological examinations confirm the diagnosis of rheumatoid arthritis in an Italian mummy from the 16th century
G Fontecchio, L Ventura, A M Poma
- 631** Clinical applicability of the EULAR Sjögren's syndrome disease activity index: a cumulative ESSDAI score adds in describing disease severity
A P Risselada, A A Kruize, J W J Bijlsma

Letters