



Cover image: (B) Reduced dermal thickening in mice lacking JunD. Representative tissue sections at 100-fold magnification are shown: JunD +/+ mice injected with NaCl intracutaneously (n=7), JunD -/- mice with intracutaneous injections of NaCl (n=8), bleomycin-injected JunD +/+ mice (n=7), JunD -/- mice injected with bleomycin (n=6). See p 1325.

Editor

Tore K Kvien

Associate Editors

Francis Berenbaum
Hans Bijlsma
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: 8.11

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: © 2011 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 Latimer Trend, Plymouth

Annals of the Rheumatic Diseases (ISSN No: 0003-4967) is published monthly by BMJ Publishing Group and distributed in the USA by Mercury International Ltd. Periodicals postage paid at Rahway, NJ, USA. POSTMASTER: send address changes to Annals of the Rheumatic Diseases Mercury International Ltd, 365 Blair Road, Avenel NJ 07001, USA.

Editorial

- 1175** Why should we expect a structure-modifying osteoarthritis drug to relieve osteoarthritis pain?
K D Brandt

Recommendations

- 1178** EUSTAR biobanking: recommendations for the collection, storage and distribution of biospecimens in scleroderma research
C Beyer, J H W Distler, Y Allano, M Aringer, J Avouac, L Czirjak, M Cutolo, N Damjanov, F Del Galdo, K Fligelstone, S Guiducci, O Kowal-Bielecka, J M van Laar, M Marucci-Cerinic, U Müller-Ladner, G Riemekasten, I H Tamer, A Tyndall, A T Kennedy, G Valentini, S Vettori, U A Walker, C Denton, O Distler; the EUSTAR Biobanking Group

Criteria

- 1183** Preliminary classification criteria for the cryoglobulinaemic vasculitis
S De Vita, F Soldano, M Isola, G Monti, A Gabrielli, A Tzioufas, C Ferri, G F Ferraccioli, L Quaruccio, L Corazza, G De Marchi, M Ramos Casals, M Voulgarelis, M Lenzi, F Saccardo, P Fraticelli, M T Mascia, D Sansonno, P Cacoub, M Tomic, A Tavoni, M Pietrogrande, A L Zignego, S Scarpato, C Mazzaro, P Pioletti, S Steinfeld, P Lamprecht, S Bombardieri, M Galli



Clinical and epidemiological research

- 1191** The effects of doxycycline on reducing symptoms in knee osteoarthritis: results from a triple-blinded randomised controlled trial
G F Snijders, C H M van den Ende, P LCM van Riel, F H J van den Hoogen, A A den Broeder; on behalf of NOAC study group



- 1197** Dysbalance of angiogenic and angiostatic mediators in patients with mixed connective tissue disease
J H W Distler, T Strupatsas, D Huscher, C Dees, A Aelmeersch, H P Kiener, I H Tamer, B Maurer, M Walder, B Michel, S Gay, J S Smolen, U Müller-Ladner, G Schett, O Distler



- 1203** Progression of lumbar disc degeneration over a decade: a heritability study
F M K Williams, M Popham, P N Sambrook, A F Jones, T D Spector, A J MacGregor



- 1208** Baseline tumour necrosis factor alpha levels predict the necessity for dose escalation of infliximab therapy in patients with rheumatoid arthritis
T Takeuchi, N Miyasaka, Y Tatsuki, T Yano, T Yoshinari, T Abe, T Koike

- 1216** Efficacy of abatacept and tocilizumab in patients with rheumatoid arthritis treated in clinical practice: results from the nationwide Danish DANBIO registry
H C Leffers, M Østergaard, B Glinthorp, N S Krogh, H Foged, U Tarp, T Lorenzen, A Hansen, M S Hansen, M S Jacobsen, L Dreyer, M L Helstrand; on behalf of all departments of rheumatology in Denmark

- 1223** Clinical, radiographic, molecular and MRI-based predictors of cartilage loss in knee osteoarthritis
F Eckstein, M P Hellio Le Graverand, H C Charles, D J Hunter, V B Kraus, T Sunyer, O Nemirovskiy, B T Wyman, R Buck; for the A9001440 investigators

- 1231** Does smoking protect against osteoarthritis? Meta-analysis of observational studies
M Hui, M Doherty, W Zhang

- 1238** Erosive hand osteoarthritis: its prevalence and clinical impact in the general population and symptomatic hand osteoarthritis
W Y Kwok, M Kloppenburg, F R Rosendaal, J B van Meurs, A Hofman, S M A Bierma-Zeinstra

- 1243** Longitudinal association between coping and psychological distress in rheumatoid arthritis: a systematic review
J E Vrieseke, W GJM van Lankevel, R Geenen, C H M van den Ende

- 1251** Predictors of radiographic progression in the ESPOIR cohort: the season of first symptoms may influence the short-term outcome in early arthritis
G Mouterde, C Lukas, I Logeart, R M Flipo, N Rincheval, J P Daurès, B Combe

- 1257** Relationship between active inflammatory lesions in the spine and sacroiliac joints and new development of chronic lesions on whole-body MRI in early axial spondyloarthritis: results of the ESTHER trial at week 48
I-H Song, K G Hermann, H Haibel, C E Althoff, D Poddubnyy, J Listing, A Weiß, B Freundlich, M Rudwaleit, J Sieper



- 1264** Canakinumab reduces the risk of acute gouty arthritis flares during initiation of allopurinol treatment: results of a double-blind, randomised study
N Schlesinger, E Mysler, H-Y Lin, M De Meulemeester, J Rovinsky, U Arulmani, A Balfour, G Krammer, P Sallstig, A So



- 1272** Interrater reliability and aspects of validity of the myositis damage index
S M Sultan, E Allen, R G Cooper, S Agarwal, P Kiely, C V Oddis, J Vencovsky, I E Lundberg, M Dastmalchi, M G Hanna, D A Isenberg

- 1277** Validation of pain and patient global scales in chronic gout: data from two randomised controlled trials
J A Singh, S Yang, V Strand, L Simon, A Forsythe, S Hamburger, L Chen

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>



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



equator network



recycle
When you have finished with this please recycle it

- 1282** Association between leptin, adiponectin and resistin and long-term progression of hand osteoarthritis
E Yusuf, A Ioan-Facsimay, J Bijstervosch, I Klein-Wieringa, J Kwekkeboom, P E Slagboom, T WJ Huizinga, M Kloppenburg
- 1285** Efficacy of allogeneic mesenchymal stem cell transplantation in patients with drug-resistant polymyositis and dermatomyositis
D Wang, H Zhang, M Cao, Y Tang, J Liang, X Feng, H Wang, B Hua, B Liu, L Sun
- 1289** Pneumococcal antibody levels after pneumovax in patients with rheumatoid arthritis on methotrexate
E Coulson, V Saravanan, J Hamilton, K So Long, L Morgan, C Heycock, M Rynne, C Kelly
- 1292** Very early rheumatoid arthritis is the major predictor of major outcomes: clinical ACR remission and radiographic non-progression
S Bosello, A L Fedele, G Peluso, E Gremese, B Tolusso, G Ferraccioli



Basic and translational research

- 1296** Acute serum amyloid A regulates cytoskeletal rearrangement, cell matrix interactions and promotes cell migration in rheumatoid arthritis
M Connolly, D J Veale, U Fearon
- 1304** Notch signalling regulates fibroblast activation and collagen release in systemic sclerosis
C Dees, M Tomcik, P Zerr, A Akhmetshina, A Horn, K Palumbo, C Beyer, J Zwernina, O Distler, G Schett, J H W Distler
- 1311** A novel *Saa3*-promoter reporter distinguishes inflammatory subtypes in experimental arthritis and human synovial fibroblasts
J Geurts, E A Vermeij, D Pohlars, O J Arntz, R W Kinne, W B van den Berg, F A J van de Loo
- 1320** The transcription factor JunD mediates transforming growth factor β -induced fibroblast activation and fibrosis in systemic sclerosis
K Palumbo, P Zerr, M Tomcik, S Vollath, C Dees, A Akhmetshina, J Avouac, M Yaniv, O Distler, G Schett, J H W Distler
- 1327** Potential association of muscarinic receptor 3 gene variants with primary Sjögren's syndrome
S Appel, S Le Hellard, O Bruland, J G Brun, R Omdal, G Kristjansdottir, E Theander, G Nordmark, M Kvarnström, P Eriksson, L Rönnblom, M Wahren-Herlenius, R Jonsson

- 1330** Genetic association of *PRDM1-ATG5* intergenic region and autophagy with systemic lupus erythematosus in a Chinese population
X-j Zhou, X-l Lu, J-c Lv, H-z Yang, L-x Qin, M-h Zhao, Y Su, Z-g Li, H Zhang

Letters

- 1338** Minimal T-cell requirements for triggering haemophagocytosis associated with Epstein-Barr virus-driven B-cell proliferation: a clinical case study
T Daikeler, A Tzankov, G Hoenger, O Gasser, A Tyndall, A Gratwohl, C Hess
- 1340** The monoclonal anti-CD25 antibody basiliximab for the treatment of progressive systemic sclerosis: an open-label study
M O Becker, C Brückner, H U Scherer, N Wassermann, J Y Humrich, L G Hanisch, U Schneider, A Kawald, K Hanke, G R Burmester, G Riemekasten
- 1341** Longitudinal studies of the association between peripheral CD27+ + plasma cells and systemic lupus erythematosus disease activity: preliminary results
E T Boekel, M Prins, G-J Vrieling, W de Kieviet, C E H Siegert
- 1343** Successful clearance of hepatitis C virus with pegylated interferon α -2a and ribavirin in an etanercept-treated patient with psoriatic arthritis, hepatitis B virus coinfection and latent tuberculosis
I Mederacke, T Witte, H Wedemeyer, D Meyer-Olson
- 1344** Successful use of bortezomib in a patient with systemic lupus erythematosus and multiple myeloma
K Fröhlich, J U Holle, P M Aries, W L Gross, F Moosig
- 1345** Association between focal erosions and generalised bone loss in psoriatic arthritis
A P Anandarajah, M El-Taha, C Peng, G Reed, J D Greenberg, C T Ritchlin
- 1347** The efficacy of canakinumab in the treatment of a patient with familial Mediterranean fever and longstanding destructive arthritis
I Mitroulis, P Skendros, A Oikonomou, A G Tzioufas, K Ritis

Miscellaneous

- 1349** Corrections