

Editor

Associate Editors

Francis Berenbaum Hans Riilsma David Pisetsky Dimitrios Boumpas Gerd Burmester Mary Crow lain McInnes

Editorial office

Annals of the Rheumatic Diseases BMJ Publishing Group Ltd **BMA House** Tavistock Square London WCIH 9JR,UK T: +44 (0)20 7383 6250 F: +44 (0)20 7383 6668 E: ard@bmj.com

Twitter: @ARD BMJ ISSN: 0003-4967 (print) ISSN: 1468-2060 (online) **Impact Factor:** 9.270

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 tothe 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

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: © 2014 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 Techset and printed in the UK on acid-free paper.

Annals of the Rheumatic Diseases (ISSN No: 0003-4967) is published monthly by BMJ Publishing Group and 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.



e regular table of contents by email. Register using this QR code.

Editorial

Contents

2065 Rheumatological diseases and cancer: the hidden variable of radiation exposure

E Picano, R Semelka, J Ravenel, M Matucci-Cerinic

Clinical and epidemiological research

Screening for interstitial lung disease in systemic sclerosis: performance of high-resolution CT with limited number of slices: a prospective study T Frauenfelder, A Winklehner, T D L Nguyen, R Dobrota, S Baumueller, B Maurer, O Distler

2074 Adalimumab for steroid sparing in patients with giant-cell arteritis: results of a multicentre randomised controlled trial

R Seror, G Baron, E Hachulla, M Debandt, C Larroche, X Puéchal, F Maurier, B de Wazieres, T Quéméneur, P Ravaud, X Mariette

2082 The effect of *FTO* variation on increased osteoarthritis risk is mediated through body mass index: a mendelian OPEN ACCESS randomisation study

K Panoutsopoulou, S Metrustry, S A Doherty, L L Laslett, R A Maciewicz, D J Hart, W Zhang, K R Muir, M Wheeler, C Cooper, T D Spector, F M Cicuttini, G Jones, N K Arden, M Doherty, E Zeggini, A M Valdes, arcOGEN Consortium

Preliminary analysis of the Very Early Diagnosis of Systemic Sclerosis (VEDOSS) EUSTAR multicentre study: evidence for puffy fingers as a pivotal sign for suspicion of systemic sclerosis

T Minier, S Guiducci, S Bellando-Randone, C Bruni, G Lepri, L Cziriák, O Distler, U A Walker, J Fransen, Y Allanore, C Denton, M Cutolo, A Tyndall, U Müller-Ladner, M Matucci-Cerinic, and the EUSTAR co-workers

(a)

2094 Long-term safety and efficacy of certolizumab pegol in combination with methotrexate in the treatment of rheumatoid arthritis: 5-year results from the RAPID 1 trial and open-label extension

E Keystone, R Landewé, R van Vollenhoven, B Combe, V Strand, P Mease, L Shaughnessy, B VanLunen, D van der Heijde



2101 Sugar-sweetened beverage consumption: a risk factor for prevalent gout with SLC2A9 genotype-specific effects on serum urate and risk of gout

C Batt, A J Phipps-Green, M A Black, M Cadzow, M E Merriman, R Topless, P Gow, A Harrison, J Highton, P Jones, L Stamp, N Dalbeth, T R Merriman

Racial disparities in knee and hip total joint arthroplasty: an 18-year analysis of national medicare

J A Singh, X Lu, G E Rosenthal, S Ibrahim, P Cram

Prediction model for knee osteoarthritis incidence, including clinical, genetic and biochemical risk factors H J M Kerkhof, S M A Bierma-Zeinstra, N K Arden, S Metrustry, M Castano-Betancourt, D J Hart, A Hofman, F Rivadeneira, E H G Oei, T D Spector, A G Uitterlinden, A C J W Janssens, A M Valdes, J B J van Meurs

2122 Validation of the educational needs assessment tool as a generic instrument for rheumatic diseases in seven European countries

M Ndosi, A Bremander, B Hamnes, M Horton, M L Kukkurainen, P Machado, A Marques, J Meesters, T A Stamm, A Tennant, J de la Torre-Aboki, TPM Vliet Vlieland, HA Zangi, J Hill



A meta-analysis of genome-wide association studies identifies novel variants associated with osteoarthritis of the hip

E Evangelou, H J Kerkhof, U Styrkarsdottir, E E Ntzani, S D Bos, T Esko, D S Evans, S Metrustry, K Panoutsopoulou, Y F M Ramos, G Thorleifsson, K K Tsilidis, arcOGEN Consortium, N Arden, N Aslam, N Bellamy, F Birrell, F J Blanco, A Carr, K Chapman, A G Day-Williams, P Deloukas, M Doherty, G Engström, H T Helgadottir, A Hofman, T Ingvarsson, H Jonsson, A Keis, J C Keurentjes, M Kloppenburg, PA Lind, A McCaskie, N G Martin, L Milani, G W Montgomery, R G H H Nelissen, M C Nevitt, P M Nilsson, W ER Ollier, N Parimi, A Rai, S H Ralston, M R Reed, J A Riancho, F Rivadeneira, C Rodriguez-Fontenla, L Southam, U Thorsteinsdottir, A Tsezou, G A Wallis, J M Wilkinson, A Gonzalez, N E Lane, L S Lohmander, I Loughlin, A Metspalu, A G Uitterlinden, I Jonsdottir, K Stefansson, P E Slagboom, E Zeggini, I Meulenbelt, J PA Ioannidis, T D Spector, J B J van Meurs, A M Valdes

2137 Elevated serum level of the vascular endothelial growth factor predicts radiographic spinal progression in patients with axial spondyloarthritis

. D Poddubnyy, K Conrad, H Haibel, U Syrbe, H Appel, I Braun, M Rudwaleit, I Sieper

(3)

The Canadian Methotrexate and Etanercept Outcome Study: a randomised trial of discontinuing versus continuing methotrexate after 6 months of etanercept and methotrexate therapy in rheumatoid arthritis J E Pope, B Haraoui, J C Thorne, A Vieira, M Poulin-Costello, E C Keystone

2152 **(3)** OPEN ACCESS

Radiographic benefit and maintenance of clinical benefit with intravenous golimumab therapy in patients with active rheumatoid arthritis despite methotrexate therapy: results up to 1 year of the phase 3, randomised, multicentre, double blind, placebo controlled GO-FURTHER trial

M E Weinblatt, R Westhovens, A M Mendelsohn, L Kim, K H Lo, S Sheng, L Noonan, J Lu, Z Xu, J Leu, D Baker, C O Bingham, on behalf of the GO-FURTHER investigators

2160 **(3)**

The phenotype of TNF receptor-associated autoinflammatory syndrome (TRAPS) at presentation: a series of 158 cases from the Eurofever/EUROTRAPS international registry

H J Lachmann, R Papa, K Gerhold, L Obici, I Touitou, L Cantarini, J Frenkel, J Anton, I Kone-Paut, M Cattalini, B Bader-Meunier, A Insalaco, V Hentgen, R Merino, C Modesto, N Toplak, R Berendes, S Ozen, R Cimaz, A Jansson, P A Brogan, P N Hawkins, N Ruperto, A Martini, P Woo, M Gattorno, for the Paediatric Rheumatology International Trials Organisation (PRINTO), the EUROTRAPS and the Eurofever Project

MORE CONTENTS ▶



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



This article has been made freely available online under the BMJ Journals Open Access scheme.

See http://ard.bmj.com/site/about/guidelines.xhtml#open



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

http://publicationethics.org/





2168

Validation of the Auto-Inflammatory Diseases Activity
Index (AIDAI) for hereditary recurrent fever syndromes

M Piram, I Koné-Paut, H J Lachmann, J Frenkel, S Ozen, J Kuemmerle-Deschner, S Stojanov, A Simon, M Finetti, M P Sormani, A Martini, M Gattorno, N Ruperto, on the behalf of EUROFEVER, EUROTRAPS and the Paediatric Rheumatology International Trials Organisation (PRINTO) networks

- 2174 Rheumatoid arthritis secondary non-responders to TNF can attain an efficacious and safe response by switching to certolizumab pegol: a phase IV, randomised, multicentre, double-blind, 12-week study, followed by a 12-week open-label phase M H Schiff, J von Kempis, R Goldblum, J R Tesser, R B Mueller
- 2178 Anti-adalimumab antibodies and adalimumab concentrations in psoriatic arthritis; an association with disease activity at 28 and 52 weeks of follow-up E H Vogelzang, E L Kneepkens, M T Nurmohamed, A W R van Kuijk, T Rispens, G Wolbink, C L M Krieckaen

Basic and translational research

2183 Amelioration of experimental arthritis by stroke-induced immunosuppression is independent of T_{reg} cell function *IM Irmler, M Gajda, T Kamradt*

2192 The JAK inhibitor, tofacitinib, reduces the T cell stimulatory capacity of human monocyte-derived dendritic cells

S Kubo, K Yamaoka, M Kondo, K Yamagata, J Zhao, S Iwata, Y Tanaka

2199 TLR9 independent interferon α production by neutrophils on NETosis in response to circulating chromatin, a key lupus autoantigen

D Lindau, J Mussard, A Rabsteyn, M Ribon, I Kötter, A Igney, G J Adema, M-C Boissier, H-G Rammensee, P Decker

2208 Knee and hip articular cartilage have distinct epigenomic landscapes: implications for future cartilage regeneration approaches

W den Hollander, Y F M Ramos, S D Bos, N Bomer, R van der Breggen, N Lakenberg, W J de Dijcker, B J Duijnisveld, P E Slagboom, R G H H Nelissen, I Meulenbelt

Letters

2213 Tofacitinib, a JAK inhibitor, inhibits human B cell activation in vitro

S-P Wang, S Iwata, S Nakayamada, K Sakata, K Yamaoka,

2215 Anakinra for the management of resistant idiopathic recurrent pericarditis. Initial experience in 10 adult cases

G Lazaros, P Vasileiou, C Koutsianas, K Antonatou, C Stefanadis, D Pectasides, D Vassilopoulos

2217 Golimumab trough levels, antidrug antibodies and clinical response in patients with rheumatoid arthritis treated in daily clinical practice

E L Kneepkens, C Plasencia, C LM Krieckaert, D Pascual-Salcedo, D van der Kleij, M T Nurmohamed, M T López-Casla, R Wieringa, T Rispens, G Wolbink

2219 Combination of MRI-detected bone marrow oedema with 2010 rheumatoid arthritis classification criteria improves the diagnostic probability of early rheumatoid arthritis

> M Tamai, J Kita, Y Nakashima, T Suzuki, Y Horai, A Okada, T Koga, Shin-ya Kawashiri, N Iwamoto, K Ichinose, K Arima, S Yamassaki, H Nakamura, T Origuchi, M Uetani, A Fukushima, K Aoyagi, K Esuchi. A Kawakami

Electronic pages

Bivalent HPV vaccine safety depending on subtypes of juvenile idiopathic arthritis

S Akioka

e76 Response to: 'Bivalent HPV vaccine safety depending on subtypes of juvenile idiopathic arthritis' by Dr Akioka

M W Heijstek, N M Wulffraat

e77 Comment on 'Diagnostic delay in patients with rheumatoid arthritis, psoriatic arthritis and ankylosing spondylitis: results from the Danish nationwide DANBIO registry'

E Feldtkeller, M Rudwaleit

e78 Reply to eLetter by Feldtkeller *et al J Sørensen, M L Hetland*

e79 Response to: 'Obesity and comorbidity are independently associated with a failure to achieve remission in patients with established rheumatoid arthritis' by Ellerby et al

M E C Sandberg, C Bengtsson, H Källberg, A Wesley, L Klareskog, L Alfredsson, S Saevarsdottir