

Ann Morgan – Publications List

In Press

1. Chakrabarty, A., Mackie, S., Harden, C. and **Morgan, A.W.** 010 Temporal artery biopsy: audit, scoring and reporting. *Rheumatology*. 2019, **58**.

Publications

* Both authors contributed equally to this work

(1-137)

2019

1. Wu, J., Keeley, A., Mallen, C., **Morgan, A.W.** and Pujades-Rodriguez, M. Incidence of infections associated with oral glucocorticoid dose in people diagnosed with polymyalgia rheumatica or giant cell arteritis: a cohort study in England. *CMAJ*. 2019, **191**, pp.E680-E688.
2. Spiliopoulou, A., Colombo, M., Plant, D., Nair, N., Cui, J., Coenen, M.J., Ikari, K., Yamanaka, H., Saevarsdottir, S., Padyukov, L., Bridges Jr., S.L., Kimberly, R.P., Okada, Y., van Riel, P.L.C., Wolbink, G., van der Horst-Bruinsma, I.E., de Vries, N., Tak, P.P., Ohmura, K., Canhão, H., Guchelaar, H.-J., Huizinga, T.W., Criswell, L.A., Raychaudhuri, S., Weinblatt, M.E., Wilson, A.G., Mariette, X., Isaacs, J.D., **Morgan, A.W.**, Pitzalis, C., Barton, A. and McKeigue, P. Association of response to TNF inhibitors in rheumatoid arthritis with quantitative trait loci for CD40 and CD39. *Ann Rheum Dis*. 2019, **78**, pp.1055-1061.
3. Mortimer, I., Bissell, L.-A., Hensor, E.M.A., Kozera, L., Mackie, S.L., Burska, A.N., Nam, J.L., Keen, H., Villeneuve, E., Donica, H., Buch, M.H., Conaghan, P.G., Emery, P., **Morgan, A.W.** and Andrews, J. Improvement in cardiovascular biomarkers sustained at 4 years following an initial treat-to-target strategy in early rheumatoid arthritis. *Rheumatology*. 2019.
4. Mebrahtu, T.F., **Morgan, A.W.**, Keeley, A., Baxter, P.D., Stewart, P.M. and Pujades-Rodriguez, M. Dose Dependency of Iatrogenic Glucocorticoid Excess and Adrenal Insufficiency and Mortality: A Cohort Study in England. *J Clin Endocr Metab*. 2019, **104**, pp.3757-3767.

5. Hensor, E.M.A., McKeigue, P., Ling, S.F., Colombo, M., Barrett, J.H., Nam, J.L., Freeston, J., Buch, M.H., Spiliopoulou, A., Agakov, F., Kelly, S., Lewis, M.J., Verstappen, S.M.M., MacGregor, A.J., Viatte, S., Barton, A., Pitzalis, C., Emery, P., Conaghan, P.G. and **Morgan, A.W.** Validity of a two-component imaging-derived disease activity score for improved assessment of synovitis in early rheumatoid arthritis. *Rheumatology*. 2019, **58**, pp.1400-1409.

2018

6. Twigg, S., Hensor, E.M.A., Freeston, J., Tan, A.L., Emery, P., Tennant, A., **Morgan, A.W.**, YEAR, t. and Consortia, I. Effect of Fatigue, Older Age, Higher Body Mass Index, and Female Sex on Disability in Early Rheumatoid Arthritis in the Treatment-to-Target Era. *Arthritis Care Res*. 2018, **70**, pp.361-368.
7. Taylor, J.C., Bongartz, T., Massey, J., Mifsud, B., Spiliopoulou, A., Scott, I.C., Wang, J., Morgan, M., Plant, D., Colombo, M., Orchard, P., Twigg, S., McInnes, I.B., Porter, D., Freeston, J.E., Nam, J.L., Cordell, H.J., Isaacs, J.D., Strathdee, J.L., Arnett, D., de Hair,

- M.J.H., Tak, P.P., Aslibekyan, S., van Vollenhoven, R.F., Padyukov, L., Bridges, S.L., Pitzalis, C., Cope, A.P., Verstappen, S.M.M., Emery, P., Barnes, M.R., Agakov, F., McKeigue, P., Mushirosa, T., Kubo, M., Weinshilboum, R., Barton, A., **Morgan, A.W.**, Barrett, J.H., on behalf of the, M., and, P. and Consortia. Genome-wide association study of response to methotrexate in early rheumatoid arthritis patients. *Pharmacogenomics J.* 2018, **18**, pp.528-538.
8. Robinson, J.I., Baxter, E.W.* , Owen, R.L.* , Thomsen, M.* , Tomlinson, D.C.* , Waterhouse, M.P., Win, S.J., Nettleship, J.E., Tiede, C., Foster, R.J., Owens, R.J., Fishwick, C.W.G., Harris, S.A., Goldman, A., McPherson, M.J. and **Morgan, A.W.** Affimer proteins inhibit immune complex binding to FcγRⅢa with high specificity through competitive and allosteric modes of action. *Proc Natl Acad Sci U S A.* 2018, **115**, pp.E72-E81.
 9. Ortiz-Fernández, L., Carmona, F.D., López-Mejías, R., González-Escribano, M.F., Lyons, P.A., **Morgan, A.W.**, Sawalha, A.H., Merkel, P.A., Smith, K.G.C., González-Gay, M.A., Martín, J. and Spanish Gca Study Group, U.K.G.C.A.C.T.T.S.G.V.C.R.C.I.S.G.A.A.V.S.g. Cross-phenotype analysis of Immunochip data identifies KDM4C as a relevant locus for the development of systemic vasculitis. *Ann Rheum Dis.* 2018, **77**, pp.589-595.
 10. Massey, J., Plant, D., Hyrich, K., **Morgan, A.W.**, Wilson, A.G., Spiliopoulou, A., Colombo, M., McKeigue, P., Isaacs, J., Cordell, H., Pitzalis, C., Barton, A. and Braggss, M.C. Genome-wide association study of response to tumour necrosis factor inhibitor therapy in rheumatoid arthritis. *Pharmacogenomics J.* 2018, **18**, pp.657-664.
 11. González-Serna, D., Carmona, E.G., Ortego-Centeno, N., Simeón, C.P., Solans, R., Hernández-Rodríguez, J., Tolosa, C., Castañeda, S., Narváez, J., Martínez-Valle, F., European, G.C.A.C., European Scleroderma, G., Witte, T., Neumann, T., Holle, J., Beretta, L., Boardi, L., Emmi, G., Cimmino, M.A., Vaglio, A., Herrick, A.L., Denton, C.P., Salvarani, C., Cid, M.C., **Morgan, A.W.**, Fonseca, C., González-Gay, M.A., Martín, J. and Márquez, A. A TNFSF13B functional variant is not involved in systemic sclerosis and giant cell arteritis susceptibility. *PLoS One.* 2018, **13**, p.e0209343.
 12. Coath, F., Gillbert, K., Griffiths, B., Hall, F., Kay, L., Lanyon, P., Luqmani, R., Mackie, S.L., Mason, J.C., Mills, J., Mollan, S., **Morgan, A.W.**, Mukhtyar, C., Quick, V., Watts, R. and Dasgupta, B. Giant cell arteritis: new concepts, treatments and the unmet need that remains. *Rheumatology.* 2018, **58**, pp.1123-1125.
 13. Cherlin, S., Plant, D., Taylor, J.C., Colombo, M., Spiliopoulou, A., Tzanis, E., **Morgan, A.W.**, Barnes, M.R., McKeigue, P., Barrett, J.H., Pitzalis, C., Barton, A., Consortium, M. and Cordell, H.J. Prediction of treatment response in rheumatoid arthritis patients using genome-wide SNP data. *Genet Epidemiol.* 2018, **42**, pp.754-771.
- 2017**
14. Twigg, S., Hensor, E.M.A., Emery, P., Tennant, A., **Morgan, A.W.** and Yorkshire Early Arthritis Register, C. Patient-reported Outcomes as Predictors of Change in Disease Activity and Disability in Early Rheumatoid Arthritis: Results from the Yorkshire Early Arthritis Register. *J Rheumatol.* 2017, **44**, pp.1331-1340.
 15. Smith, S.L., Plant, D., Eyre, S., Hyrich, K., **Morgan, A.W.**, Wilson, A.G., Isaacs, J.D. and Barton, A. The predictive value of serum S100A9 and response to etanercept is not confirmed in a large UK rheumatoid arthritis cohort. *Rheumatology (Oxford).* 2017, **56**, pp.1019-1024.
 16. Jani, M., Isaacs, J.D., **Morgan, A.W.**, Wilson, A.G., Plant, D., Hyrich, K.L., Chinoy, H., Barton, A. and Braggss. High frequency of antidrug antibodies and association of random

drug levels with efficacy in certolizumab pegol-treated patients with rheumatoid arthritis: results from the BRAGGSS cohort. *Ann Rheum Dis.* 2017, **76**, pp.208-213.

17. Clarke, K., Shastry, D., Chetcuti, P., Wood, M. and **Morgan, A.** Neonatal Behçet's disease. *Arch Dis Child.* 2017, **102**, pp.1062-1062.
18. Carmona, F.D., Vaglio, A., Mackie, S.L., Hernández-Rodríguez, J., Monach, P.A., Castañeda, S., Solans, R., Morado, I.C., Narváez, J., Ramentol-Sintas, M., Pease, C.T., Dasgupta, B., Watts, R., Khalidi, N., Langford, C.A., Ytterberg, S., Boiardi, L., Beretta, L., Govoni, M., Emmi, G., Bonatti, F., Cimmino, M.A., Witte, T., Neumann, T., Holle, J., Schönau, V., Sailler, L., Papo, T., Haroche, J., Mahr, A., Mouthon, L., Molberg, Ø., Diamantopoulos, A.P., Voskuyl, A., Brouwer, E., Daikeler, T., Berger, C.T., Molloy, E.S., O'Neill, L., Blockmans, D., Lie, B.A., McLaren, P., Vyse, T.J., Wijmenga, C., Allanore, Y., Koeleman, B.P.C., Spanish, C.G.A.G., Consortium, U., Vasculitis Clinical Research, C., Barrett, J.H., Cid, M.C., Salvarani, C., Merkel, P.A., **Morgan, A.W.**, González-Gay, M.A. and Martín, J. A Genome-wide Association Study Identifies Risk Alleles in Plasminogen and P4HA2 Associated with Giant Cell Arteritis. *Am J Hum Genet.* 2017, **100**, pp.64-74.

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19. Yarwood, A., Viatte, S., Okada, Y., Plenge, R., Yamamoto, K., Braggss, R., Barton, A., Symmons, D., Raychaudhuri, S., Klareskog, L., Gregersen, P., Worthington, J. and Eyre, S. Loci associated with N-glycosylation of human IgG are not associated with rheumatoid arthritis: a Mendelian randomisation study. *Ann Rheum Dis.* 2016, **75**, pp.317-320.
20. Smith, S.L., Plant, D., Lee, X.H., Massey, J., Hyrich, K., **Morgan, A.W.**, Wilson, A.G., Isaacs, J. and Barton, A. Previously reported PDE3A-SLCO1C1 genetic variant does not correlate with anti-TNF response in a large UK rheumatoid arthritis cohort. *Pharmacogenomics.* 2016, **17**, pp.715-720.
21. Plant, D., Webster, A., Nair, N., Oliver, J., Smith, S.L., Eyre, S., Hyrich, K.L., Wilson, A.G., **Morgan, A.W.**, Isaacs, J.D., Worthington, J. and Barton, A. Differential Methylation as a Biomarker of Response to Etanercept in Patients With Rheumatoid Arthritis. *Arthritis Rheumatol.* 2016, **68**, pp.1353-1360.
22. Nikiphorou, E., Mackie, S.L., Kirwan, J., Boers, M., Isaacs, J., **Morgan, A.W.***, Young, A*. Achieving consensus on minimum data items (including core outcome domains) for a longitudinal observational cohort study in rheumatoid arthritis. *Rheumatology.* 2016, **56**, pp.550-555.
23. Jani, M., Isaacs, J.D., **Morgan, A.W.**, Wilson, A.G., Plant, D., Hyrich, K.L., Chinoy, H. and Barton, A. Detection of anti-drug antibodies using a bridging ELISA compared with radioimmunoassay in adalimumab-treated rheumatoid arthritis patients with random drug levels. *Rheumatology (Oxford).* 2016, **55**, pp.2050-2055.
24. Hernández-Rodríguez, J., Murgia, G., Villar, I., Campo, E., Mackie, S.L., Chakrabarty, A., Hensor, E.M.A., **Morgan, A.W.**, Font, C., Prieto-González, S., Espigol-Frigolé, G., Grau, J.M. and Cid, M.C. Description and Validation of Histological Patterns and Proposal of a Dynamic Model of Inflammatory Infiltration in Giant-cell Arteritis. *Medicine.* 2016, **95**, pp.e2368-e2368.
25. Bissell, L.-A., Hensor, E.M.A., Kozera, L., Mackie, S.L., Burska, A.N., Nam, J.L., Keen, H., Villeneuve, E., Donica, H., Buch, M.H., Conaghan, P.G., Andrews, J., Emery, P. and **Morgan, A.W.** Improvement in insulin resistance is greater when infliximab is added to methotrexate during intensive treatment of early rheumatoid arthritis—results from the IDEA study. *Rheumatology.* 2016, **55**, pp.2181-2190.

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28. Smith, S.L., Eyre, S., Yarwood, A., Hyrich, K., **Morgan, A.W.**, Wilson, A.G., Isaacs, J., Biologics in Rheumatoid Arthritis, G., Genomics Study, S., Plant, D. and Barton, A. Investigating CD11c expression as a potential genomic biomarker of response to TNF inhibitor biologics in whole blood rheumatoid arthritis samples. *Arthritis Res Ther.* 2015, **17**, pp.359-359.
29. Mackie, S.L., Taylor, J.C., Haroon-Rashid, L., Martin, S., Dasgupta, B., Gough, A., Green, M., Hordon, L., Jarrett, S., Pease, C.T., Barrett, J.H., Watts, R., **Morgan, A.W.**, Consortium, U.G. and Consortium, U. Association of HLA-DRB1 amino acid residues with giant cell arteritis: genetic association study, meta-analysis and geo-epidemiological investigation. *Arthritis Res Ther.* 2015, **17**, p.195.
30. Jani, M., Chinoy, H., Warren, R.B., Griffiths, C.E.M., Plant, D., Fu, B., **Morgan, A.W.**, Wilson, A.G., Isaacs, J.D., Hyrich, K., Barton, A., Biologics in Rheumatoid Arthritis, G. and Genomics Study Syndicate, C. Clinical utility of random anti-tumor necrosis factor drug-level testing and measurement of antidiug antibodies on the long-term treatment response in rheumatoid arthritis. *Arthritis Rheumatol.* 2015, **67**, pp.2011-2019.
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43. Bluett, J., Ibrahim, I., Plant, D., Hyrich, K.L., **Morgan, A.W.**, Wilson, A.G., Isaacs, J.D., Braggss and Barton, A. Association of a complement receptor 1 gene variant with

baseline erythrocyte sedimentation rate levels in patients starting anti-TNF therapy in a UK rheumatoid arthritis cohort: results from the Biologics in Rheumatoid Arthritis Genetics and Genomics Study Syndicate cohort. *The pharmacogenomics journal*. 2014, **14**, pp.171-175.

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