

Publications Robert Landewé

Scientific international papers in relation to imaging

2018

van der Heijde D, Baraliakos X, Hermann K-GA, [Landewé RBM](#), Machado PM, Maksymowych WP, Davies OR, de Peyrecave N, Hoepken B, Bauer L, Nurminen T, Braun J. Limited radiographic progression and sustained reductions in MRI inflammation in patients with axial spondyloarthritis: 4-year imaging outcomes from the RAPID-axSpA phase III randomised trial.

Ann Rheum Dis 2018 Online first

Molnar C, Scherer A, Baraliakos X, de Hooge M, Micheroli R, Exer P, Kissling RO, Tamborrini G, Wildi LM, Nissen MJ, Zufferey P, Bernhard J, Weber U, [Landewé RBM](#), van der Heijde D, Ciurea A. TNF blockers inhibit spinal radiographic progression in ankylosing spondylitis by reducing disease activity: results from the Swiss Clinical Quality Management cohort.

Ann Rheum Dis 2018;77:63-9

2017

de Bruin F, ter Horst S, Bloem JL, van den Berg R, de Hooge M, van Gaalen F, Dagfinrud H, van Oosterhout M, Landewé R, van der Heijde D, Reijnierse M. Prevalence and clinical significance of lumbosacral transitional vertebra (LSTV) in a young back pain population with suspected axial spondyloarthritis: results of the SPondyloArthritis Caught Early (SPACE) cohort. Skeletal Radiol 2017;46:633-9

Braun J, Baraliakos X, Hermann KG, [Landewé R](#), Machado PM, Maksymowych WP, Davies O, Hoepken B, Nurminen T, Stach C, van der Heijde D. Effect of certolizumab pegol over 96 weeks of treatment on inflammation of the spine and sacroiliac joints, as measured by MRI, and the association between clinical and MRI outcomes in patients with axial spondyloarthritis.

RMD Open 2017;3:e000430

de Hooge M, de Bruin F, de Beer L, Bakker P, van den Berg R, Ramiro S, van Gaalen F, Fagerli K, [Landewé R](#), van Oosterhout M, Ramonda R, Huizinga T, Bloem H, Reijnierse M, van der Heijde D. Is site of back pain related to location of MRI lesion in patients with chronic back pain included in the SPACE-cohort?

Arthritis Care Res 2017;69:717-23

Dougados M, Sepriano A, Molto A, van Lunteren M, Ramiro S, de Hooge M, van den Berg R, Navarro Compan V, Demattei C, [Landewé R](#), van der Heijde D. Sacroiliac radiographic progression in recent onset axial spondyloarthritis: the 5-year data of the DESIR cohort.

Ann Rheum Dis 2017;76:1823-8

Ez-Zaitouni Z, Bakker PAC, van Lunteren M, de Hooge M, van den Berg R, Reijnierse M, Fagerli KM, [Landewé RBM](#), Ramonda R, Jacobsson LTH, Saraux A, Lenczner G, Feydy A, Pialat JB, Thévenin F, van Gaalen FA, van der Heijde D. The yield of a positive MRI of the spine as imaging criterion in the ASAS classification criteria for axial spondyloarthritis: results from the SPACE and DESIR cohorts.

Ann Rheum Dis 2017; 76:1731-6

2016

van der Heijde D, [Landewé RB](#), Mease PJ, McInnes IB, Conaghan PG, Pricop L, Ligozio G, Richards HB, Mpofu S. Secukinumab Provides Significant and Sustained Inhibition of Joint Structural Damage in a Phase III Study of Active Psoriatic Arthritis.

Arthritis Rheumatol 2016;68:1914-2

Lambert RGW, Bakker PAC, van der Heijde D, Weber U, Rudwaleit M, Hermann K-GA, Sieper J, Baraliakos X, Bennett A, Braun J, Burgos-Vargas R, Dougados M, Pedersen SJ, Jurik AG, Maksymowych WP, Marzo-Ortega H, Østergaard M, Poddubnyy D, Reijnierse M, van den Bosch F, van der Horst-Bruinsma I, [Landewé R](#). Defining active sacroiliitis on MRI for classification of axial spondyloarthritis: update by the ASAS MRI working group.

Ann Rheum Dis 2016;75:1958-63

[Landewé RBM](#), Connell CA, Bradley JD, Wilkinson B, Gruben D, Strengholt S, van der Heijde D. Is radiographic progression in modern rheumatoid arthritis trials still a robust outcome? Experience from tofacitinib clinical trials.

Arthritis Research & Therapy 2016;18:212 DOI: 10.1186/s13075-016-1106-y

Machado PM, Baraliakos X, van der Heijde D, Braun J, [Landewé R](#). MRI vertebral corner inflammation followed by fat deposition is the strongest contributor to the development of new bone at the same vertebral corner: a multilevel longitudinal analysis in patients with ankylosing spondylitis.

Ann Rheum Dis 2016;75:1486-93

Markusse IM, [Landewé R](#), Wolterbeek R, Ho M, Jenkins M, van der Heijde D. Linear extrapolation of missing radiographic change scores in clinical trials does not spuriously overestimate group radiographic changes in rheumatoid arthritis.

Rheumatology 2016;55:1295-3000

de Hooge M, van den Berg R, Navarro-Compán V, Reijnierse M, van Gaalen F, Fagerli K, [Landewé R](#), van Oosterhout M, Ramonda R, Huizinga T, van der Heijde D. Patients with chronic back pain of short duration from the SPACE cohort: which MRI structural lesions in the sacroiliac joints and inflammatory and structural lesions in the spine are most specific for axial spondyloarthritis?

Ann Rheum Dis 2016;75:1308-14

van der Heijde D, [Landewé R](#). Are conventional radiographs still of value?

Curr Opin Rheum 2016;28:310-5

Navarro-Compán V, Ramiro S, [Landewé R](#), Dougados M, Miceli-Richard C, Richette P, van der Heijde D. Disease activity is longitudinally related to sacroiliac inflammation on MRI in male patients with axial spondyloarthritis: 2-years of the DESIR cohort.

Ann Rheum Dis 2016;75:874-8

de Bruin F, Ter Horst S, Bloem HL, van den Berg R, de Hooge M, van Gaalen F, Fagerli KM, [Landewé R](#), van Oosterhout M, van der Heijde D, Reijnierse M. Prevalence of degenerative changes of the spine on magnetic resonance images and radiographs in patients aged 16-45 years with chronic back pain of short duration in the Spondyloarthritis Caught Early (SPACE) cohort.

Rheumatology 2016;55:56-65

de Bruin F, Ter Horst S, van den Berg R, de Hooge M, van Gaalen F, Fagerli KM, [Landewé R](#), van Oosterhout M, Bloem JL, van der Heijde D, Reijnierse M. Signal intensity loss of the intervertebral discs in the cervical spine of young patients on fluid sensitive sequences.
Skeletal Radiol 2016;45:375-81

Gherghe AM, Ramiro S, [Landewé R](#), Mihai C, van der Heijde D. Association of the different types of radiographic damage with physical function in patients with rheumatoid arthritis: analysis of the RAPID trials.
RMD Open 2016;2:e000219.doi:10.1136/rmdopen-2015-000219

2015

Smolen JS, Kay J, Doyle M, [Landewé R](#), Matteson EL, Gaylis N, Wollenhaupt J, Murphy FT, Xu S, Zhou Y, Hsia EC. Golimumab in patients with active rheumatoid arthritis after treatment with tumor necrosis factor α inhibitors: findings with up to five years of treatment in the multicenter, randomized, double-blind, placebo-controlled, phase 3 GO-AFTER study.
Arthritis Res Ther. 2015 Jan 22;17(1):14. doi: 10.1186/s13075-015-0516-6

van den Berg R, de Hooge M, Bakker PA, van Gaalen F, Navarro-Compán V, Fagerli KM, [Landewé R](#), van Oosterhout M, Ramonda R, Reijnierse M, van der Heijde D. Metric Properties of the SPARCC Score of the Sacroiliac Joints - Data from Baseline, 3-month, and 12-month Followup in the SPACE Cohort.
J Rheumatol. 2015;42:1186-93

Navarro-Compán V, de Miguel E, van der Heijde D, [Landewé R](#), Almodóvar R, Montilla C, Beltrán E, Zarco P. Spondyloarthritis features forecasting the presence of HLA-B27 or sacroiliitis on magnetic resonance imaging in patients with suspected axial spondyloarthritis: Results from a cross-sectional study in the ESPeranza Cohor.
Arthritis Res Ther 2015;17:265

Mease PJ, McInnes IB, Kirkham B, Kavanaugh A, Rahman P, van der Heijde D, [Landewé R](#), Nash P, Pricop L, Yuan J, Richards HB, Mpofu S, for the FUTURE 1 Study Group. Secukinumab Inhibition of Interleukin-17A in Patients with Psoriatic Arthritis.
N Engl J Med 2015;373:1329-39

Smolen JS, van Vollenhoven R, Kavanaugh A, Strand V, Vencovsky J, Schiff M, [Landewé R](#), Haraoui B, Arendt C, Mountian I, Carter D, van der Heijde D. Certolizumab pegol plus methotrexate 5-year results from the rheumatoid arthritis prevention of structural damage (RAPID) 2 randomized controlled trial and long-term extension in rheumatoid arthritis patients.
Arthritis Res Ther 2015;17:art no 245

Ramiro S, [Landewé R](#), van Tubergen A, Boonen A, Stolwijk C, Dougados M, van den Bosch F, van der Heijde D. Lifestyle factors may modify the effect of disease activity on radiographic progression in patients with ankylosing spondylitis: a longitudinal analysis.
RMD Open 2015;1:e000153, doi:10.1136/rmdopen-2015-000153

Mease P, Deodhar A, Fleischmann R, Wollenhaupt J, Gladman D, Leszczyński P, Vitek P, Turkiewicz A, Khraishi M, FitzGerald O, [Landewé R](#), de Longueville M, Hoepken B, Peterson L, van der Heijde D. Effect of certolizumab pegol over 96 weeks in patients with psoriatic arthritis with and without prior antitumour necrosis factor exposure.
RMD Open 2015;1:e000119.doi:10.1136/rmdopen-2015-000119

Landewé R Smolen JS, Florentinus S, Chen S, Guérette B, van der Heijde D. Existing joint erosions increase the risk of joint space narrowing independently of clinical synovitis in patients with early rheumatoid arthritis. *Arthritis Res Ther* 2015;17:133

Navarro-Compán V, Gherghe AM, Smolen JS, Aletaha D, Landewé R, van der Heijde D. Relationship between disease activity indices and their individual components and radiographic progression in RA: a systematic literature review. *Rheumatology* 2015;54:83-90

van Onna M, van Tubergen A, Jurik A, van der Heijde D, Landewé R. Natural course of bone marrow oedema on magnetic resonance imaging of the sacroiliac joints in patients with early inflammatory back pain: a 2-year follow-up study. *Scand J Rheumatol* 2015;44:129-34

Sieper J, Landewé R, Rudwaleit M, van der Heijde D, Dougados M, Mease PJ, Braun J, Deodhar A, Kivitz A, Walsh J, Hoepken B, Nurminen T, Maksymowych WP. Effect of Certolizumab Pegol over 96 Weeks in Patients with Axial Spondyloarthritis: Results from a Phase 3 Randomized Trial. *Arthritis Rheumatol* 2015;67:668-77

Landewé R, Østergaard M, Keystone EC, Florentinus S, Liu S, van der Heijde D. Analysis of integrated radiographic data from two long-term, open-label extension studies of adalimumab for the treatment of rheumatoid arthritis. *Arthritis Care Res* 2015;2:108-6

Navarro-Compán V, Landewé R, Provan SA, Ødegard S, Uhlig T, Kvien TK, Keszei AP, Ramiro S, van der Heijde D. Relationship between types of radiographic damage and disability in patients with rheumatoid arthritis in the EURIDISS cohort: a longitudinal study. *Rheumatology* 2015;54:83-90

Ramiro S, Stolwijk C, van Tubergen A, van der Heijde D, Dougados M, van den Bosch F, Landewé R. Evolution of radiographic damage in ankylosing spondylitis: a 12 year prospective follow-up of the OASIS study. *Ann Rheum Dis* 2015;74:52-9

2014

Ramiro S, van der Heijde D, van Tubergen A, Stolwijk C, Dougados M, van den Bosch F, Landewé R. Higher disease activity leads to more structural damage in the spine in ankylosing spondylitis: 12-year longitudinal data from the OASIS cohort. *Ann Rheum Dis*. 2014;73:1455-61

Baraliakos X, Heldmann F, Callhoff J, Listing J, Appelboom T, Brandt J, Van den Bosch F, Breban M, Burmester GR, Dougados M, Emery P, Gaston H, Grunke M, van der Horst-Bruinsma IE, Landewé R, Leirisalo-Repo M, Sieper J, De Vlam K, Pappas D, Kiltz U, van der Heijde D, Braun J. Which spinal lesions are associated with new bone formation in patients with ankylosing spondylitis treated with anti-TNF agents? A long-term observational study using MRI and conventional radiography. *Ann Rheum Dis* 2014;73:1819-25

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

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.

Ann Rheum Dis 2014; 73:2094-100

Ramiro S, van Tubergen A, van der Heijde D, Stolwijk C, Bookelman G, Dougados M, van den Bosch F, Landewé RBM.

Erosions and sclerosis on radiographs precede the subsequent development of syndesmophytes at the same site: a twelve-year prospective followup of patients with ankylosing spondylitis.

Arthritis Rheumatology 2014;66:2773–2779

van Onna M, van Tubergen A, van der Heijde DM, Jurik AG, Landewé R. Bone Marrow Edema on Magnetic Resonance Imaging (MRI) of the Sacroiliac Joints Is Associated with Development of Fatty Lesions on MRI over a 1-year Interval in Patients with Early Inflammatory Low Back Pain: A 2-year Followup Study.

J Rheumatol 2014;41:1088-94

Maksymowych WP, van der Heijde D, Allaart CF, Landewé R, Boire G, Tak PP, Gui Y, Ghahary A, Kilani R, Marotta A. 14-3-3 η is a novel mediator associated with the pathogenesis of rheumatoid arthritis and joint damage.

Arthritis Res Ther 2014;16:R99

Navarro-Compán V, van der Heijde D, Ahmad HA, Miller CG, Wolterbeek R, Landewé R. Measurement error in the assessment of radiographic progression in rheumatoid arthritis (RA) clinical trials: the smallest detectable change (SDC) revisited.

Ann Rheum Dis 2014;73:1067-70

van Onna M, van Tubergen A, van der Heijde D, Jurik AG, Landewé R. Gadolinium contrast-enhanced MRI sequence does not have an incremental value in the assessment of sacroiliitis in patients with early inflammatory back pain by using MRI in combination with pelvic radiographs: a 2-year follow-up study.

Clin Exp Rheumatol 2014;32:225-30

Kroon FPB, van der Burg LRA, Ramiro S, Landewé RBM, Buchbinder R, van der Heijde D. Non-steroidal anti-inflammatory drugs (NSAIDs) for axial spondyloarthritis (ankylosing spondylitis and non-radiographic axial spondyloarthritis) (Protocol).

Cochrane Database of Systematic Reviews 2014;1:CD010952. DOI: 10.1002/14651858.CD010952

Landewé R, Braun J, Deodhar A, Dougados M, Maksymowych WP, Mease PJ, Reveille JD, Rudwaleit M, van der Heijde D, Stach C, Hoepken B, Fichtner A, Coteur G, de Longueville M, Sieper J. Efficacy of Certolizumab Pegol on Signs and Symptoms of Axial Spondyloarthritis including Ankylosing Spondylitis: 24 Week Results of a Double-Blind Randomized Placebo-Controlled Phase 3 Study.

Ann Rheum Dis 2014;73:39-47

2013

Keystone EC, Breedveld FC, van der Heijde D, Landewé R, Florentinus S, Arulmani U, Liu S, Kupper H, Kavanaugh A.

Longterm Effect of Delaying Combination Therapy with Tumor Necrosis Factor Inhibitor in Patients with Aggressive Early Rheumatoid Arthritis: 10-year Efficacy and Safety of Adalimumab from the Randomized Controlled PREMIER Trial with Open-label Extension.

J Rheumatol 2013 Nov 15.

Ramiro S, Stolwijk C, van Tubergen A, van der Heijde D, Dougados M, van den Bosch F, Landewé R. Evolution of

radiographic damage in ankylosing spondylitis: a 12 year prospective follow-up of the OASIS study.
Ann Rheum Dis 2013 Aug 16. doi: 10.1136/annrheumdis-2013-204055.

Baraliakos X, Heldmann F, Callhoff J, Listing J, Appelboom T, Brandt J, Van den Bosch F, Breban M, Burmester G, Dougados M, Emery P, Gaston H, Grunke M, van Der Horst-Bruinsma IE, [Landewé R](#), Leirisalo-Repo M, Sieper J, De Vlam K, Pappas D, Kiltz U, Van Der Heijde D, Braun J. Which spinal lesions are associated with new bone formation in patients with ankylosing spondylitis treated with anti-TNF agents? A long-term observational study using MRI and conventional radiography.
Ann Rheum Dis 2013 Jul 14. doi: 10.1136/annrheumdis-2013-203425.

Navarro-Compán V, van der Heijde D, Ahmad HA, Miller CG, Wolterbeek R, [Landewé R](#). Measurement error in the assessment of radiographic progression in rheumatoid arthritis (RA) clinical trials: the smallest detectable change (SDC) revisited.
Ann Rheum Dis 2013 Apr 20. 10.1136/annrheumdis-2012-202939

Durnez A, Paternotte S, Fechtenbaum J, [Landewé RB](#), Dougados M, Roux C, Briot K. Increase in bone density in patients with spondyloarthritis during anti-tumor necrosis factor therapy: 6-year followup study.
J Rheumatol 2013; 40:1712-8.

Navarro-Compán V, [Landewé R](#), Ahmad HA, Miller CG, Xu D, Wolterbeek R, van der Heijde D. Rate of adjudication of radiological progression in rheumatoid arthritis randomized controlled trials depending on preset limits of agreement: a pooled analysis from 15 randomized trials.
Rheumatology (Oxford) 2013;52:1404-7.

[Landewé R](#), Strand V, van der Heijde D. From inhibition of radiographic progression to maintaining structural integrity: a methodological framework for radiographic progression in rheumatoid arthritis and psoriatic arthritis clinical trials.
Ann Rheum Dis 2013; 72:1113-7.

Smolen JS, van der Heijde DM, Keystone EC, van Vollenhoven RF, Goldring MB, Guérette B, Cifaldi MA, Chen N, Liu S, [Landewé RB](#). Association of joint space narrowing with impairment of physical function and work ability in patients with early rheumatoid arthritis: protection beyond disease control by adalimumab plus methotrexate.
Ann Rheum Dis 2013; 72:1156-62.

Van der Heijde D, van der Helm-van Mil AH, Aletaha D, Bingham CO, Burmester GR, Dougados M, Emery P, Felson D, Knevel R, Kvien TK, [Landewé RB](#), Lukas C, McInnes I, Silman AJ, Smolen JS, Stanislawski-Biernat E, Zink A, Combe B. EULAR definition of erosive disease in light of the 2010 ACR/EULAR rheumatoid arthritis classification criteria.
Ann Rheum Dis 2013; 72:479-81.

Ramiro S, van Tubergen A, Stolwijk C, [Landewé R](#), van de Bosch F, Dougados M, van der Heijde D. Scoring radiographic progression in ankylosing spondylitis: should we use the modified Stoke Ankylosing Spondylitis Spine Score (mSASSS) or the Radiographic Ankylosing Spondylitis Spinal Score (RASSS)?
Arthritis Res Ther 2013; 15:R14.

2012

Machado P, [Landewé RB](#), Braun J, Baraliakos X, Hermann KG, Hsu B, Baker D, van der Heijde D. MRI inflammation and its relation with measures of clinical disease activity and different treatment responses in patients with ankylosing spondylitis

treated with a tumour necrosis factor inhibitor.

Ann Rheum Dis 2012; 71:2002-5.

Kroon F, [Landewé R](#), Dougados M, van der Heijde D. Continuous NSAID use reverts the effects of inflammation on radiographic progression in patients with ankylosing spondylitis.

Ann Rheum Dis 2012;71:1623-9.

Keystone EC, Combe B, Smolen J, Strand V, Goel N, van Vollenhoven R, Mease P, [Landewé R](#), Fleischmann R, Luijckens K, van der Heijde D. Sustained efficacy of certolizumab pegol added to methotrexate in the treatment of rheumatoid arthritis: 2-year results from the RAPID 1 trial.

Rheumatology (Oxford) 2012; 51:1628-38.

Hermann KG, Baraliakos X, van der Heijde DM, Jurik AG, [Landewé R](#), Marzo-Ortega H, Østergaard M, Rudwaleit M, Sieper J, Braun J; Assessment in SpondyloArthritis international Society (ASAS). Descriptions of spinal MRI lesions and definition of a positive MRI of the spine in axial spondyloarthritis: a consensual approach by the ASAS/OMERACT MRI study group.

Ann Rheum Dis 2012;71:1278-88

Van Tubergen A, van der Heijde D, Dougados M, Mielants H, [Landewé R](#). Are syndesmophytes most prevalent in the lumbar or in the cervical spine in patients with ankylosing spondylitis and do they develop in a specific direction?

Rheumatology (Oxford) 2012; 51:1432-9.

Van Tubergen A, Ramiro S, van der Heijde D, Dougados M, Mielants H, [Landewé R](#). Development of new syndesmophytes and bridges in ankylosing spondylitis and their predictors: a longitudinal study.

Ann Rheum Dis 2012;71:518-23.

Van der Heijde D, Machado P, Braun J, Hermann KG, Baraliakos X, Hsu B, Baker D, [Landewé R](#). MRI inflammation at the vertebral unit only marginally predicts new syndesmophyte formation: a multilevel analysis in patients with ankylosing spondylitis.

Ann Rheum Dis 2012; 71:369-73.

2011

[Landewé R](#), van der Heijde D. Joint space narrowing, cartilage and physical function: are we deceived by measurements and distributions?

Ann Rheum Dis 2011; 70:717-8.

Lukas C, Combe B, Ravaud P, Sibilia J, [Landewé R](#), van der Heijde D. Favorable effect of very early DMARD treatment on radiographic progression in early inflammatory arthritis. The ESPOIR cohort study.

Arthritis Rheum 2011; 63:1804-11

Van Onna M, Jurik AG, van der Heijde D, van Tubergen A, Heuft-Dorenbosch L, [Landewé R](#). HLA-B27 and gender independently determine the likelihood of a positive MRI of the sacroiliac joints in patients with early inflammatory back pain: a 2-year MRI follow-up study.

Ann Rheum Dis 2011; 70:1981-5.

Machado P, [Landewé R](#), Braun J, Hermann KG, Baraliakos X, Baker D, Hsu B, van der Heijde D. A stratified model for health

outcomes in ankylosing spondylitis.
Ann Rheum Dis 2011; 70:1758-64.

Landewé R, Gorter S, Gaujoux-Viala C, Gossec L, Smolen JS. On publication policy, combination therapy, and the European League Against Rheumatism recommendations for the management of rheumatoid arthritis: comment on the article by Graudal et al.
Arthritis Rheum. 2011; 63:3182-4;

Baraliakos X, van der Heijde D, Braun J, Landewé RB. OMERACT magnetic resonance imaging initiative on structural and inflammatory lesions in ankylosing spondylitis--report of a special interest group at OMERACT 10 on sacroiliac joint and spine lesions.
J Rheumatol 2011; 38:2051-4

Landewé RB, Strand V, Conaghan PG, van der Heijde D. Damage and progression on radiographs in individual joints: data from pivotal randomized controlled trials.
J Rheumatol 2011; 38:2018-22.

Strand V, Kingsbury SR, Woodworth T, Landewé R, Ostergaard M, Peterfy C, van der Heijde D, D'Agostino MA, Maksymowych W, Tak PP, Wells G, Conaghan PG. OMERACT 10 Sharp Symposium: important findings in examination of imaging methods for measurement of joint damage in rheumatoid arthritis.
J Rheumatol 2011; 38:2009-13

Heldmann F, Brandt J, van der Horst-Bruinsma IE, Landewe R, Sieper J, Burmester GR, van den Bosch F, de Vlam K, Geusens P, Gaston H, Schewe S, Appelboom T, Emery P, Dougados M, Leirisalo-Repo M, Breban M, Listing J, Braun J. The European ankylosing spondylitis infliximab cohort (EASIC): a European multicentre study of long term outcomes in patients with ankylosing spondylitis treated with infliximab.
Clin Exp Rheumatol 2011; 29:672-80.

Van der Heijde D, Landewé RB. Dramatic repair of joint damage in psoriatic arthritis.
J Rheumatol 2011; 38:969-70.

Landewé R, van der Heijde D. Joint space narrowing, cartilage and physical function: are we deceived by measurements and distributions?
Ann Rheum Dis 2011; 70:717-8.

Landewé RB, van der Heijde DM. [The recognition of patients with spondyloarthritis. New classification criteria].
Ned Tijdschr Geneeskd 2011; 155:A3680.

Landewé R, van der Heijde D. Joint space narrowing, cartilage and physical function: are we deceived by measurements and distributions?
Ann Rheum Dis 2011; 70:717-8

Lukas C, Combe B, Ravaud P, Sibilia J, Landewé R, van der Heijde D. Favorable effect of very early DMARD treatment on radiographic progression in early inflammatory arthritis. The ESPOIR cohort study.
Arthritis Rheum 2011 Mar 30. doi:10.1002/art.30371. [Epub ahead of print]

2010

van der Heijde D, Rudwaleit M, Landewé RB, Sieper J. Justification for including MRI as a tool in the diagnosis of axial SpA. Nat Rev Rheumatol 2010; 6:670-2

van der Heijde D, Breedveld FC, Kavanaugh A, Keystone EC, Landewé R, Patra K, Pangan AL. Disease activity, physical function, and radiographic progression after longterm therapy with adalimumab plus methotrexate: 5-year results of PREMIER. J Rheumatol 2010; 37: 2237-46

Landewé RB. Efficacy assessed in follow-ups of clinical trials: methodological conundrum. Arthritis Res Ther 2010;12:132

van Tuyl LH, Voskuyl AE, Boers M, Geusens P, Landewé RB, Dijkmans BA, Lems WF. Baseline RANKL:OPG ratio and markers of bone and cartilage degradation predict annual radiological progression over 11 years in rheumatoid arthritis. Ann Rheum Dis 2010; 69:1623-8

Dougados M, Combe B, Braun J, Landewé R, Sibia J, Cantagrel A, Feydy A, van der Heijde D, Leblanc V, Logeart I. A randomised, multicentre, double-blind, placebo- controlled trial of etanercept in adults with refractory heel enthesitis in spondyloarthritis: the HEEL trial. Ann Rheum Dis 2010; 69:1430-5

Ten Cate DF, Luime JJ, Hazes JM, Jacobs JW, Landewé R. Does the intraclass correlation coefficient always reliably express reliability? Comment on the article by Cheung et al. Arthritis Care Res 2010; 62:1357-8

Machado P, Landewé R, Braun J, Hermann KG, Baker D, van der Heijde D. Both structural damage and inflammation of the spine contribute to impairment of spinal mobility in patients with ankylosing spondylitis. Ann Rheum Dis 2010; 69:1465-70

Landewé RB. Magnetic Resonance imaging in the diagnosis of ankylosing spondylitis: be aware of gold standards and circularity. J Rheumatol 2010; 37:477-8

2009

Landewé R, van der Heijde D. A Systematic comparison of rheumatoid arthritis and ankylosing spondylitis: structural outcomes. Clin Exp Rheumatol 2009; 27 (4 suppl 55): S102-7

Lukas C, van der Heijde D, Fatenejad S, Landewé R. Repair of erosions occurs almost exclusively in damaged joints without swelling. Ann Rheum Dis 2009; 69:851-5

van Tubergen AM, Landewé RB. Tools for monitoring spondyloarthritis in clinical practice. Nat Rev Rheumatol 2009; 5:608-15

Landewé RB, van Tubergen A. Clinical assessment and outcome research in spondyloarthritis.
Curr Rheumatol Rep 2009; 11:334-9

van der Heijde D, Salonen D, Weissman BN, Landewé R, Maksymowych WP, Kupper H, Ballal S, Gibson E, Wong R; Canadian (M03-606) study group; ATLAS study group. Assessment of radiographic progression in the spines of patients with ankylosing spondylitis treated with adalimumab for up to 2 years.
Arthritis Res Ther 2009;11: R127

Syversen SW, Landewé R, van der Heijde D, Bathon JM, Boers M, Bykerk VP, Fitzgerald O, Gladman DD, Garnero P, Geusens P, El-Gabalawy H, Inman RD, Kraus V, Kvien TK, Mease PJ, Ostergaard M, Ritchlin CJ, Tak PP, Taylor WJ, Maksymowych WP. Testing of the OMERACT 8 draft validation criteria for a soluble biomarker reflecting structural damage in rheumatoid arthritis: a systematic literature search on 5 candidate biomarkers.
J Rheumatol 2009; 36:1769-84

Sharp JT, Angwin J, Boers M, Duryea J, Finckh A, Hall JR, Kauffman JA, Landewé R, Langs G, Lukas C, Moens HJ, Peloschek P, Strand CV. Multiple computer-based methods of measuring joint space width can discriminate between treatment arms in the COBRA trial -- Update of an ongoing OMERACT project.
J Rheumatol. 2009 Aug;36(8):1825-8

Maksymowych WP, Landewé R, Tak PP, Ritchlin CJ, Ostergaard M, Mease PJ, El-Gabalawy H, Garnero P, Gladman DD, Fitzgerald O, Aletaha D, Bykerk VP, Bathon JM, Syversen SW, Boers M, Geusens P, Inman RD, Kraus VB, Kvien TK, Taylor WJ, Wells GA. Reappraisal of OMERACT 8 draft validation criteria for a soluble biomarker reflecting structural damage endpoints in rheumatoid arthritis, psoriatic arthritis, and spondyloarthritis: the OMERACT 9 v2 criteria.
J Rheumatol. 2009; 36:1785-91

Maksymowych WP, Fitzgerald O, Wells GA, Gladman DD, Landewé R, Ostergaard M, Taylor WJ, Christensen R, Tak PP, Boers M, Syversen SW, Bathon JM, Ritchlin CJ, Mease PJ, Bykerk VP, Garnero P, Geusens P, El-Gabalawy H, Aletaha D, Inman RD, Kraus VB, Kvien TK. Proposal for levels of evidence schema for validation of a soluble biomarker reflecting damage endpoints in rheumatoid arthritis, psoriatic arthritis, and ankylosing spondylitis, and recommendations for study design.
J Rheumatol 2009; 36:1792-9

Syversen SW, Goll GL, van der Heijde D, Landewé R, Gaarder PI, Odegård S, Haavardsholm EA, Kvien TK. Cartilage and bone biomarkers in rheumatoid arthritis: prediction of 10-year radiographic progression.
J Rheumatol 2009; 36:266-72

Syversen SW, Goll GL, van der Heijde, Landewé RB, Lie BA, Odegard S, Uhlig, T, Gaarder PI, Kvien TK. Prediction of radiographic progression in rheumatoid arthritis and the role of antibodies against mutated citrullinated vimentin: results from a ten- year prospective study.
Ann Rheum Dis 2009; 69:345-51

Hafström I, Albertsson K, Boonen A, van der Heijde D, Landewé R, Svensson B; BARFOT Study Group. Remission achieved after 2 years treatment with low-dose prednisolone in addition to disease-modifying anti-rheumatic drugs in early rheumatoid arthritis is associated with reduced joint destruction still present after 4 years: an open 2-year continuation study.
Ann Rheum Dis 2009; 68:508-13

Hoff M, Haugeberg G, Odegård S, Syversen S, Landewé R, van der Heijde D, Kvien TK. Cortical hand bone loss after 1 year in early rheumatoid arthritis predicts radiographic hand joint damage at 5-year and 10-year follow-up. *Ann Rheum Dis* 2009; 68:324-9

Rudwaleit M, Landewé R, van der Heijde D, Listing J, Brandt J, Braun J, Burgos- Vargas R, Collantes-Estevez E, Davis J, Dijkmans B, Dougados M, Emery P, van der Horst-Bruinsma IE, Inman R, Khan MA, Leirisalo-Repo M, van der Linden S, Maksymowych WP, Mielants H, Olivieri I, Sturrock R, de Vlam K, Sieper J. The development of Assessment of SpondyloArthritis international Society classification criteria for axial spondyloarthritis (part I): classification of paper patients by expert opinion including uncertainty appraisal. *Ann Rheum Dis* 2009; 68:770-6

Rudwaleit M, van der Heijde D, Landewé R, Listing J, Akkoc N, Brandt J, Braun J, Chou CT, Collantes-Estevez E, Dougados M, Huang F, Gu J, Khan MA, Kirazli Y, Maksymowych WP, Mielants H, Sørensen IJ, Ozgocmen S, Roussou E, Valle-Oñate R, Weber U, Wei J, Sieper J. The development of Assessment of SpondyloArthritis international Society classification criteria for axial spondyloarthritis (part II): validation and final selection. *Ann Rheum Dis* 2009; 68:777-83

Smolen J, Landewé RB, Mease P, Brzezicki J, Mason D, Luijckens K, van Vollenhoven RF, Kavanaugh A, Schiff M, Burmester GR, Strand V, Vencovsky J, van der Heijde D. Efficacy and safety of certolizumab pegol plus methotrexate in active rheumatoid arthritis: the RAPID 2 study. A randomised controlled trial. *Ann Rheum Dis*. 2009; 68:797-804

Sieper J, Rudwaleit M, Baraliakos X, Brandt J, Braun J, Burgos-Vargas R, Dougados M, Hermann KG, Landewé R, Maksymowych W, van der Heijde D. The Assessment of SpondyloArthritis international Society (ASAS) handbook: a guide to assess spondyloarthritis. *Ann Rheum Dis*. 2009;68 suppl 2:ii1-44

Rudwaleit M, Jurik AG, Hermann KG, Landewé R, van der Heijde D, Baraliakos X, Marzo-Ortega H, Ostergaard M, Braun J, Sieper J. Defining active sacroiliitis on Magnetic Resonance Imaging (MRI) for classification of axial spondyloarthritis - a consensual approach by the ASAS/ OMERACT MRI Group. *Ann Rheum Dis* 2009; 68:1520-7

2008

Lukas C, Landewé RB, Fatenejad S, van der Heijde DM. Subtle changes in individual joints result in both positive and negative change scores in a patient: Results from a clinical trial in patients with rheumatoid arthritis. *Ann Rheum Dis* 2008; 68: 1691-5

van der Heijde D, Landewé R, Baraliakos X, Houben H, van Tubergen A, Williamson P, Xu W, Baker D, Goldstein N, Braun J; Ankylosing Spondylitis Study for the Evaluation of Recombinant Infliximab Therapy Study Group. Radiographic findings following two years of infliximab therapy in patients with ankylosing spondylitis. *Arthritis Rheum* 2008; 58: 3063-70

Lukas C, Sharp JT, Angwin J, Boers M, Duryea J, Hall JR, Landewé R, et al. Automated measurement of joint space width in small joints of patients with rheumatoid arthritis.

J Rheumatol 2008; 35: 1288-93

Landewé R, Dougados M, Mielants H, van der Tempel H, van der Heijde D. Physical function in ankylosing spondylitis is independently determined by both disease activity and radiographic damage of the spine.

Ann Rheum Dis 2008; 68: 863-7

Halvorsen EH, Pollmann S, Gilboe IM, van der Heijde D, Landewé R, Odegard S, et al. Serum IgG antibodies to peptidylarginine deiminase 4 in rheumatoid arthritis and associations with disease severity.

Ann Rheum Dis 2008; 67:414-7

Dias EM, Lukas C, Landewé R, Fatenejad S, van der Heijde D. Reliability and sensitivity to change of the Simple Erosion Narrowing Score compared with the Sharp- van der Heijde method for scoring radiographs in rheumatoid arthritis.

Ann Rheum Dis 2008; 67:375-9

Hafstrom I, Albertsson K, Boonen A, van der Heijde DM, Landewé R, Svensson B. Remission achieved after 2 years treatment with low dose prednisolone in addition to DMARDs in early RA is associated with reduced joint destruction still present after 4 years: an open two year continuation study.

Ann Rheum Dis 2008; 68: 508-13

van der Heijde D, Landewé R, van Vollenhoven R, Fatenejad S, Klareskog L. Level of radiographic damage and radiographic progression are determinants of physical function: a longitudinal analysis of the TEMPO trial.

Ann Rheum Dis 2008; 67:1267-70

Vosse D, Landewé R, Garnero P, van der Heijde D, van der Linden S, Geusens P. Association of markers of bone- and cartilage-degradation with radiological changes at baseline and after 2 years follow-up in patients with ankylosing spondylitis.

Rheumatology 2008; 47:1219-22

Syversen SW, Gaarder PI, Goll GL, Odegard S, Haavardsholm EA, Mowinckel P, et al. High anti-cyclic citrullinated peptide levels and an algorithm of four variables predict radiographic progression in patients with rheumatoid arthritis: results from a 10-year longitudinal study.

Ann Rheum Dis 2008; 67:212-7

van der Heijde D, Landewé R, Einstein S, Ory P, Vosse D, Ni L, et al. Radiographic progression of ankylosing spondylitis after up to two years of treatment with etanercept.

Arthritis Rheum 2008; 58:1324-31

2007

Lie BA, Viken MK, Odegard S, van der Heijde D, Landewé R, Uhlig T, et al. Associations between the PTPN22 1858C->T polymorphism and radiographic joint destruction in patients with rheumatoid arthritis: results from a 10-year longitudinal study.

Ann Rheum Dis 2007; 66:1604-9

Maksymowych WP, Landewé R, Boers M, Garnero P, Geusens P, El-Gabalawy H, et al. Development of draft validation criteria for a soluble biomarker to be regarded as a valid biomarker reflecting structural damage endpoints in rheumatoid

arthritis and spondyloarthritis clinical trials.

J Rheumatol 2007; 34:634-40

Maksymowych WP, Landewé R, Conner-Spady B, Dougados M, Mielants H, van der Tempel H, et al. Serum matrix metalloproteinase 3 is an independent predictor of structural damage progression in patients with ankylosing spondylitis. Arthritis Rheum 2007; 56:1846-53

Schett G, Landewé R, van der Heijde D. Tumour necrosis factor blockers and structural remodelling in ankylosing spondylitis: what is reality and what is fiction? Ann Rheum Dis 2007; 66:709-11

van der Heijde D, Klareskog L, Landewé R, Bruyn GA, Cantagrel A, Durez P, et al. Disease remission and sustained halting of radiographic progression with combination etanercept and methotrexate in patients with rheumatoid arthritis. Arthritis Rheum 2007; 56:3928-39

van der Heijde D, Landewé R, Boonen A, Einstein S, Herborn G, Rau R, et al. Expert agreement confirms that negative changes in hand and foot radiographs are a surrogate for repair in patients with rheumatoid arthritis. Arthritis Res Ther 2007; 9:R62

van der Heijde D, Landewé R, Hermann KG, Rudwaleit M, Ostergaard M, Oostveen A, et al. Is there a preferred method for scoring activity of the spine by magnetic resonance imaging in ankylosing spondylitis? J Rheumatol 2007; 34:871-3

Vosse D, Heijckmann C, Landewé R, van der Heijde D, van der Linden S, Geusens P. Comparing morphometric X-ray absorptiometry and radiography in defining vertebral wedge fractures in patients with ankylosing spondylitis. Rheumatology 2007; 46:1667-71

Landewé R. Predictive markers in rapidly progressing rheumatoid arthritis. J Rheumatol Suppl. 2007;80:8-15

Hammer HB, Odegard S, Fagerhol MK, Landewé R, van der Heijde D, Uhlig T, et al. Calprotectin (a major leucocyte protein) is strongly and independently correlated with joint inflammation and damage in rheumatoid arthritis. Ann Rheum Dis 2007; 66:1093-7

Heuft-Dorenbosch L, Weijers R, Landewé R, van der Linden S, van der Heijde D. Magnetic resonance imaging changes of sacroiliac joints in patients with recent-onset inflammatory back pain: inter-reader reliability and prevalence of abnormalities. Arthritis Res Ther. 2006; 8:R11

Diarra D, Stolina M, Polzer K, Zwerina J, Ominsky MS, Dwyer D, Korb A, Smolen J, Hoffmann M, Scheinecker C, van der Heijde D, Landewé R, Lacey D, Richards WG, Schett G. Dickkopf-1 is a master regulator of joint remodeling. Nat Med 2007; 13:156-63

Keeling SO, Landewé R, van der Heijde D, Bathon J, Boers M, Garnero P, Geusens P, El-Gabalawy H, Inman RD, Kraus VB, Kvien TK, Mease PJ, Ostergaard M, Ritchlin C, Syversen SW, Maksymowych WP. Testing of the preliminary OMERACT validation criteria for a biomarker to be regarded as reflecting structural damage endpoints in rheumatoid arthritis clinical

trials: the example of C-reactive protein.

J Rheumatol 2007; 34:623-33

Maksymowych WP, Landewé R, Boers M, Garnero P, Geusens P, El-Gabalawy H, Heinegard D, Krause V, Lohmander S, Matyas J, Saxne T, van der Heijde D. Development of draft validation criteria for a soluble biomarker to be regarded as a valid biomarker reflecting structural damage endpoints in rheumatoid arthritis and spondyloarthritis clinical trials.

J Rheumatol 2007; 34:634-40

Lukas C, Braun J, van der Heijde D, Hermann KG, Rudwaleit M, Ostergaard M, Oostveen A, O'Connor P, Maksymowych WP, Lambert RG, Jurik AG, Baraliakos X, Landewé R; ASAS/OMERACT MRI in AS Working Group. Scoring inflammatory activity of the spine by magnetic resonance imaging in ankylosing spondylitis: a multireader experiment.

J Rheumatol 2007; 34:862-70

van der Heijde D, Landewé R, Hermann KG, Rudwaleit M, Ostergaard M, Oostveen A, O'Connor P, Maksymowych WP, Lambert RG, Lukas C, Jurik AG, Boers M, Baraliakos X, Braun J; ASAS/OMERACT MRI in AS Working Group. Is there a preferred method for scoring activity of the spine by magnetic resonance imaging in ankylosing spondylitis?

J Rheumatol 2007; 34:871-3

van der Heijde D, Landewé R, Sharp JT; OMERACT Subcommittee on Repair. Repair in rheumatoid arthritis, current status. Report of a workshop at OMERACT 8.

J Rheumatol 2007; 34:884-8

Sharp JT, Angwin J, Boers M, Duryea J, von Ingersleben G, Hall JR, Kauffman JA, Landewé R, Langs G, Lukas C, Maillefert JF, Bernelot Moens HJ, Peloschek P, Strand V, van der Heijde D. Computer based methods for measurement of joint space width: update of an ongoing OMERACT project.

J Rheumatol 2007; 34:874-83

2006

Landewé R, van der Heijde D. The validity of a rheumatoid arthritis medical records- based index of severity compared with the DAS28.

Arthritis Research & Therapy. 2006; 8:107

Geusens P, Landewé R, Garnero P, Chen D, Dunstan D, Lems W, Stinissen P, van der Heijde D, van der Linden S, Boers. The ratio of circulating osteoprotegerin to RANKL in early rheumatoid arthritis predicts later joint destruction.

Arthritis Rheum 2006; 54:1772-7

Braun J, Landewé R, Hermann K-G, Han J, Yan S, Williamson P, van der Heijde D for the ASSERT Study Group. Major reduction in spinal inflammation in patients with ankylosing spondylitis after treatment with infliximab: Results of a multicenter, randomized, double-blind, placebo-controlled magnetic resonance imaging study.

Arthritis Rheum. 2006;54(5):1646-52

Vosse D, van der Heijde D, Landewé R, Geusens P, Mielants H, Dougados M, van der Linden S. Determinants of hyperkyphosis in patients with ankylosing spondylitis.

Ann Rheum Dis 2006; 65:770-4

Landewé R, van der Heijde D., Klareskog L, van Vollenhoven R, Fatenejad S. Disconnect between inflammation and joint destruction after treatment with etanercept plus methotrexate: results from the trial of etanercept and methotrexate with radiographic and patient outcomes.
Arthritis Rheum 2006; 54: 3119-25

Maksymowych WP, Landewé RBM. Imaging in Ankylosing Spondylitis.
Best Pract Res Clin Rheumatol 2006; 20:507-19

2005

Baraliakos X, Landewé R, Herman K-G, Listing J, Golder W, Brandt J, Rudwaleit M, Bollow M, Sieper J, van der Heijde D, Braun J: Inflammation in ankylosing spondylitis – a systemic description of the extent and frequency of acute spinal changes using magnetic resonance imaging (MRI).
Ann Rheum Dis 2005; 64:730-4

van der Heijde D, Landewé R, Klareskog L, Rodríguez-Valverde V, Settas L, Pedersen R, Fatenejad S.: Presentation and analysis of radiographic outcome in clinical trials: experience from the TEMPO trial.
Arthritis Rheum 2005; 52:49-60

Baraliakos X, Landewé R, Herman K-G, Listing J, Golder W, Brandt J, Rudwaleit M, Bollow M, Sieper J, van der Heijde D, Braun J. : Assessment of acute spinal inflammation in patients with ankylosing spondylitis by magnetic resonance imaging (MRI): a comparison between contrast enhanced T1 and short-tau inversion recovery (STIR) sequences.
Ann Rheum Dis 2005; 64:1141-4

Fraser AD, van Kuijk AW, Westhovens R, Karim Z, Wakefield R, Gerards AH, Landewé R, Steinfield SD, Emery P, Dijkmans BAC, Veale DJ: A randomised, double- blind, placebo controlled, multi- centre trial of combination therapy with methotrexate plus cyclosporin in patients with active psoriatic arthritis.
Ann Rheum Dis 2005; 64:859-6

van der Heijde D, Landewé R, Klareskog L, Rodríguez-Valverde V, Settas L, Pedersen R, Fatenejad S. Presentation and analysis of data on radiographic outcome in clinical trials: experience from the TEMPO study.
Arthritis Rheum 2005; 52:49-60

Wanders A, Landewé R, Dougados M, Mielants H, van der Linden Sj, van der Heijde D. Association between radiographic damage of the spine and spinal mobility for individual patients with ankylosing spondylitis: can assessment of spinal mobility be a proxy for radiographic evaluation?
Ann Rheum Dis 2005; 64 988-94 Wanders A, van der Heijde D, Landewé R, Behier JM, Calin A, Olivieri I, Zeidler H, Dougados M. Nonsteroidal antiinflammatory drugs reduce radiographic progression in patients with ankylosing spondylitis: A randomized clinical trial.
Arthritis Rheum 2005; 52:1756-65

Baraliakos X, Hermann K-G, Landewé R, Listing J, Golder W, Brandt J, Rudwaleit M, Bollow M, Sieper J, van der Heijde D, Braun J. Assessment of acute spinal inflammation in patients with ankylosing spondylitis by magnetic resonance imaging (MRI): a comparison between contrast enhanced T1 and short-tau inversion recovery (STIR) sequences.
Ann Rheum Dis 2005; 64:1141-44

van der Heijde D, Landewé R, van der Linden S. How should treatment effect on spinal radiographic progression in patients with ankylosing spondylitis be measured?
Arthritis Rheum 2005; 52:1979-85

Landewé R, van der Heijde D. Presentation and analysis of radiographic data in clinical trials and observational studies.
Ann Rheum Dis 2005; 64 (suppl IV):i48-51

Landewé R, van der Heijde D. Radiographic progression in rheumatoid arthritis.
Clin Exp Rheum 2005; 23 (suppl 39):S63-S68

van der Heijde D, Landewé R, Hermann K-G, Jurik A-G, Maksymowych W, Rudwaleit M, O'Connor P, Braun J and the ASAS/OMERACT MRI in AS working group. Application of the OMERACT filter to scoring methods for MRI of the SI joints and the spine. Recommendations for a research agenda at OMERACT 7.
J Rheumatol 2005; 32:2042-7

van der Heijde D, Landewé R, and the ASAS working group. Selection of a method for scoring radiographs for AS clinical trials by ASAS and OMERACT.
J Reumatol 2005; 2048-49

Landewé R, Hermann K-G, van der Heijde D, Baraliakos X, Jurik A-G, Lambert R, Østergaard M, Rudwaleit M, Salonen D, Braun J and the ASAS/OMERACT MRI in AS working group. Scoring sacro-iliac joints by magnetic resonance imaging, a multiple-reader reliability experiment.
J Rheumatol 2005; 32:2050-5

Hermann K-GA, Landewé RBM, Braun J, van der Heijde DMFM. Magnetic resonance imaging of inflammatory lesions in the spine in ankylosing spondylitis clinical trials: Is paramagnetic contrast medium necessary?
J Rheumatol 2005; 32:2056-60

van der Heijde D, Landewé R, Hermann K-G, Jurik A-G, Maksymowych W, Rudwaleit M, O'Connor P, Braun J and the ASAS/OMERACT MRI in AS working group. Application of the OMERACT filter to scoring methods for MRI of the SI joints and the spine. Recommendations for a research agenda at OMERACT.
J Rheumatol 2005; 32:2042-47

Wanders A, Landewé RBM, Dougados M, Mielants H, van der Linden S, van der Heijde D: The association between radiographic damage of the spine and spinal mobility for individual patients with Ankylosing Spondylitis: Can the assessment of spinal mobility be a proxy for radiographic evaluation?
Ann Rheum Dis 2005; 64:988-94

van der Heijde D, Landewé R. Imaging in spondylitis.
Curr Opin Rheumatol 2005;17:413-7

2004

Wanders AJ, Landewe RB, Spoorenberg A, Dougados M, van der Linden S, Mielants H, van der Tempel H, van der Heijde DM. What is the most appropriate radiologic scoring method for ankylosing spondylitis? A comparison of the available methods based on the Outcome Measures in Rheumatology Clinical Trials filter.

Arthritis Rheum 2004; 50:2622-32

Wanders AJ, Landewe RB, Spoorenberg A, De Vlam K, Mielants H, Dougados M, Van Der Linden S, Van Der Heijde DM. Scoring of radiographic progression in randomised clinical trials in ankylosis spondylitis: a preference for paired reading order.

Ann Rheum Dis 2004;63:1601-4

Welsing PM, Landewe RB, van Riel PL, Boers M, van Gestel AM, van der Linden S, Swinkels HL, van der Heijde DM. The relationship between disease activity and radiologic progression in patients with rheumatoid arthritis: a longitudinal analysis.

Arthritis Rheum 2004; 50:2082-93

Bruynesteyn K, Van Der Linden S, Landewé R, Gubler F, Weijers R, Van der Heijde D. Progression of rheumatoid arthritis on plain radiographs judged differently by expert radiologists and rheumatologists.

J Rheumatol 2004; 31:1088-94

Landewé R, Geusens P, Boers M, van der Heijde D, Lems W, te Koppele J, van der Linden S, Garnero P. Markers for type II collagen breakdown predict the effect of disease-modifying treatment on long-term radiographic progression in patients with rheumatoid arthritis.

Arthritis Rheum 2004; 50:1390-9

Bruynesteyn K, Landewé R, Van Der Linden S, Van Der Heijde D. Radiography as primary outcome in rheumatoid arthritis: acceptable sample sizes for trials with 3 months follow-up.

Ann Rheum Dis 2004; 63:1413-18

Landewé R, van der Heijde D. Radiographic progression depicted by probability plots: presenting data with optimal use of individual values.

Arthritis Rheum 2004; 50:699-706

2003

Landewé R, Boers M, van der Heijde D. How to interpret radiologic progression in randomised clinical trials?

Rheumatology 2003; 42:2-5

van Tubergen A, Heuft-Dorenbosch L, Schulpden G, Landewé R, Wijers R, van der Heijde D, van Engelshoven J, van der Linden S. Radiographic assessment of sacroiliitis by radiologists and rheumatologists: Does training improve quality?

Ann Rheum Dis 2003; 62:519-25

Landewé R, van der Heijde D. Is radiographic progression a realistic outcome measure in clinical trials with early inflammatory arthritis?

Clin Exp Rheumatol 2003;21(5 Suppl 31):S37-41

2002

Landewé R, Boers M, Verhoeven A, Westhovens R, van de Laar M, Markuse H, van Denderen C, Westedt M, Peeters A, Dijkmans B, Jacobs P, Boonen A, van der Heijde D, van der Linden S. COBRA-combination therapy in patients with early

rheumatoid arthritis: long-term structural benefits of a brief intervention.
Arthritis Rheum 2002; 2:347-56

Strand V, Landewé R, van der Heijde D. Using estimated yearly progression rates to compare radiographic data across recent randomised controlled trials in rheumatoid arthritis.
Ann Rheum Dis 2002; 61(suppl II):ii64-ii66

Garnero P, Landewé R, Boers M, Verhoeven A, van der Linden S, Christgau S, van der Heijde D, Boonen A, Geusens P. Association of baseline levels of markers of bone and cartilage degradation with long-term progression of joint damage in patients with early rheumatoid arthritis.
Arthritis Rheum 2002;46:2847-56