

SBPR 2018

UNIVERSITY MEDICAL CENTRE GRONINGEN, THE NETHERLANDS

15th and 16th NOVEMBER 2018

‘Understanding The Mechanisms Of Back Pain: Work, Rest And Play’

THURSDAY 15TH NOVEMBER 2018

08.30 – 09.15	REGISTRATION AND REFRESHMENTS	
09.15 – 09.30	INTRODUCTION	Prof. dr. Michiel Reneman Prof Nadine Foster
SESSION 1:	GUEST LECTURE:	Chair:
09.30 – 10.15	Movement Control And Back Pain: An Embodied Perspective	PROF.DR BERT OTTEN
SESSION 2:	OPEN PAPERS: ADVICE & WORK	Chairs:
10.15 – 11.15	The Advice Given To Patients With Back Pain In A Primary Care Trust	Lisa Osborn-Jenkins (N.I.), LC Roberts
	Personalized Advice On Chronic Low Back Pain Interventions: A Machine Learning Approach	Wendy Oude Nijeweme - d’Hollosy, M Poel, L van Velsen, CGM Groothuis-Oudshoorn, H Hermens, P Stegeman, AP Wolff, MF Reneman, R Soer
	Back-Up: Personalised Prognostic Models To Improve Well-Being And Return To Work After Neck And Low Back Pain	M Cabrita, Wendy Oude Nijeweme- d’Hollosy, S Jansen-Kosterink, HJ Hermens

	Validation Of The Work Assessment Triage Tool For Selecting Rehabilitation Interventions For Injured Workers	DP Gross, Ivan A. Steenstra , WS Shaw, P Yousefi, C Bellinger, OR Zaïane
11.15 – 11.45	REFRESHMENTS, EXHIBITORS AND POSTER VIEWING	
SESSION 3:	SPECIAL POSTER SESSION	Chairs:
11.45 – 12.45	<p>A Qualitative Study Evaluating Participants Experiences Of A Theoretically Informed Rehabilitation Programme After Lumbar Fusion Surgery</p> <p>Normalization Of Spinal Cord Displacement With The Straight Leg Raise With Resolution Of Sciatica In Patients With Lumbar Intervertebral Disc Herniation: A 1.5 Year Follow-Up Study</p> <p>Water Permeability Of Human Nucleus Pulposus Cells In Response To Extracellular Osmolality</p> <p>Intra-Subject Repeatability of In Vivo Intervertebral Motion Parameters Using Quantitative Fluoroscopy</p> <p>Individuals With Chronic Low Back Pain Demonstrate Less Diffused Muscle Activation In The Lumbar Erector Spinae When Completing An Endurance Task</p> <p>Why Do Only Some People With Lumbar Disc Degeneration Have Recurrent Low Back Pain? An Examination Of Postural Control Strategy</p> <p>State anxiety predicts pain and disability after 12 weeks in patients with acute low back pain: an observational study</p> <p>How well do the treatment targets and outcomes match in trials of exercise interventions for chronic LBP? A systematic review of the literature</p> <p>Healthcare Service Use After Lumbar Spine MRI In General Practice</p>	<p>James Greenwood, M Hurley, A McGregor, F Jones</p> <p>J Pesonen*, Marinko Rade*, M Könönen, J Marttila, M Shacklock, R Vanninen, M Kankaanpää, O Airaksinen</p> <p>Joseph Snuggs, N Chiverton, A Cole, R Michael, R Bunning, M Conner, CL Le Maitre</p> <p>Ax Breen, Rebecca Hemming, F Mellor, AC Breen</p> <p>Andy Sanderson, E Martinez-Valdes, NR Heneghan, C Murillo, A Rushton, D Falla</p> <p>Janet A Deane, AKP Lim, PH Strutton & AH McGregor</p> <p>Joannes M Hallegraeff, R Kan, E van Trijffel, MF Reneman</p> <p>Lianne Wood, NE Foster, M Lewis, A Bishop</p> <p>Evelien IT de Schepper, BW Koes, EFH Veldhuizen, EHG Oei, SMA Bierma-Zeinstra, PAJ Luijsterburg</p>

	Validation Of A Prognostic Model Developed In A Cohort Of Low Back Pain Claimants Receiving Rehabilitation	Ivan A Steenstra , G McIntosh, C Chen, T D'Elia, B Amick, S Hogg-Johnson
12.45 – 13.15	POSTER VIEWING - with poster presenters available for questions	
13.15 – 14.00	LUNCH	
SESSION 4:	OPEN PAPERS: THERAPY & TREATMENT	Chairs:
14.00 – 15.45	<p>Effectiveness Of Spinal Manipulative Therapy For Chronic Low Back Pain: Results From An Individual Participant Data Meta-Analysis</p> <p>Development Of A Standard Set Of Outcome Measures For Nonspecific Low Back Pain In Dutch Primary Care Physical Therapy Practices; A Delphi Study</p> <p>Physiotherapy For Sciatica – Is Earlier Better? The Polar Pilot Study</p> <p>The Drugs Don't Work: Patients Perceptions Of The Use Of Pain Relief For Sciatica</p> <p>Complier Average Causal Effect Analysis Of Paracetamol In Low Back Pain: Secondary Analysis Of The Pace Data</p> <p>Medication Prescribing Patterns In Primary-Care Patients With Neuropathic Low Back-Related Leg Pain</p> <p>Clinicians' Perspectives On A 'Fast-Track' Pathway For Patients With Sciatica Consulting In Primary Care: Qualitative Findings From The SCOPiC Trial</p>	<p>Annemarie de Zoete, SM Rubinstein, MR de Boer, MW van Tulder, M Underwood, JA Hayden, L Buffart, R. Ostelo and the Back Pain IPD consortium</p> <p>Koen Verburg, SA van Dulmen, H Kiers, MWG Nijhuis-van der Sanden, PJ van der Wees</p> <p>Michael Reddington, SJ Walters, J Cohen, S Baxter, AA Cole</p> <p>Michael Reddington, SJ Walters, J Cohen, S Baxter, AA Cole</p> <p>Marco Schreijenberg, C-WC Lin, AJ McLachlan, CM Williams, SJ Kamper, BW Koes, CG Maher, L Billot</p> <p>Sarah A Harrison, R Ogollah, KM Dunn, NE Foster, K Konstantinou</p> <p>Benjamin Saunders, B Bartlam, M Artus, NE Foster, K Konstantinou and the SCOPiC study team</p>
15.45 – 16.15	REFRESHMENTS, EXHIBITORS AND POSTER VIEWING	

SESSION 5:	THE 2018 DISCS HENRY V CROCK LECTURE	Chair:
16.15 – 17.00	How Can Biology Help To Understand And Treat Low Back Pain?	PROF CHRISTINE LE MAITRE
17.00 – 18.00	SBPR AGM	
19.00	DINNER at the Martini Hotel	

FRIDAY 16TH NOVEMBER 2018

08.00 – 08.15	REGISTRATION	
SESSION 6:	GUEST LECTURE:	Chair:
08.15 – 09.00	Understanding The Etiology Of Chronic Pain Disability From A Psychological Perspective	PROF STEVEN LINTON
SESSION 7:	OPEN PAPERS: BASIC SCIENCE	Chairs:
09.00 – 10.30	<p>Mesenchymal Stem Cell Delivery Within A Thermally Triggered Hydrogel Regenerates Nucleus Pulposus Matrix Following Injection Into Degenerate Nucleus Pulposus Tissue</p> <p>Endplate Damage Is Heritable, Is Independently Associated With Low Back Pain And May Trigger Intervertebral Disc Degeneration: A Longitudinal Study From Twinsuk</p> <p>Genetic Locus On Chromosome 9 Associated With Modic Changes Revealed By Genome-Wide Meta-Analysis</p> <p>Genome-Wide Meta-Analysis Of 158,000 Individuals Identifies Three Loci Associated With Chronic Back Pain</p> <p>Using Glycome-Based Polygenic Risk Score To Predict Risk Of Back Pain</p>	<p>AA Thorpe, SW Partridge, J Snuggs, L Vickers, F Charlton, A Cole, N Chiverton, C Sammon, Christine L Le Maitre</p> <p>Sabrina Munir (N.I.), MB Freidin, M Rade, J Määttä, G Livshits, FMK Williams</p> <p>Maxim B Freidin, M Kraatari, S Skarp, J Määttä, J Kettunen, J Niinimäki, J Karppinen, M Männikkö, FMK Williams</p> <p>Frances M.K. Williams, MR Palmer, YA. Tsepilov, MB Freidin, CG Boer et al</p> <p>Maxim B Freidin, YS Aulchenko, G Lauc, FMK Williams</p>

	The Association Between Spinal Morning Stiffness, C-Reactive Protein And Lumbar Disc Degeneration In Back Patients Older Than 55 Years (Bace-Study)	Roxanne van den Berg , WT Enthoven, EIT de Schepper, PAJ Luijsterburg, EHG Oei, SMA. Bierma-Zeinstra, BW Koes
10.30 – 11.00	REFRESHMENTS, EXHIBITORS AND POSTER VIEWING	
SESSION 8:	GUEST LECTURE:	Chair:
11.00 – 11.45	Low Back Pain: Prevent, Cure Or Manage?	PROF KIM BURTON
SESSION 9:	OPEN PAPERS: PAIN	Chairs:
11.45 – 12.45	<p>Can We Change Health Care Seeking Behavior In Patients With Complex Spinal Pain?</p> <p>Targeting Dysfunctional Behavioural Cognitions In A Two-Week Pain Management Program Improves Functional Outcomes In Longstanding Chronic Low Back Pain</p> <p>Prognosis Of Low Back-Related Leg Pain Patients With Neuropathic Pain: Clinical Course And Prognostic Factors</p> <p>The Odom's Criteria Validated At Last: A Clinimetric Evaluation In Cervical Spine Surgery</p>	<p>Remko Soer; N Buwalda; J Mireau; M Coppes; AP Wolff; HR Schiphorst Preuper; MF Reneman</p> <p>Miranda L. van Hooff, JE Vriezolk, D Groot, JK O'Dowd, M Spruit</p> <p>Sarah A Harrisson, R Ogollah, KM Dunn, NE Foster, K Konstantinou</p> <p>AEH Broekema, R Molenberg, Jos MA Kuijlen, RJM Groen, MF Reneman, R Soer</p>
12.45 – 13.05	TRAVEL FELLOWSHIP AWARD PRESENTATIONS	
13.05 – 13.45	LUNCH	
SESSION 10:	THE GORDON WADDELL MEMORIAL DEBATE	Chair:
13.45 – 14.45	This House Believes That RCTs For Back Pain Are Dead: Long Live Research On Mechanisms	<p><i>FOR:</i> PROF CHRISTINE LE MAITRE DR REMKO SOER</p> <p><i>AGAINST:</i> PROF RAYMOND OSTELO DR ESTHER WILLIAMSON</p>
14.45 – 15.00	PRESENTATION OF AWARDS AND CLOSE	

POSTERS

Imaging Versus No Imaging For Low Back Pain: A Systematic Review, Measuring Cost, Healthcare Utilization And Absence From Work	Gijs PG Lemmers (N.I.) , W van Lankveld, PJ van der Wees, GP Westert, JB Staal
Depressive Symptoms In Early Pregnancy Were Associated With Development Of non-Specific Low Back Pain In Late Pregnancy	T Algård , P Kristiansson
Groningen Spine Cohort: Very High Impact On Functioning, Quality Of Life And Work In Patients With Chronic Low Back Pain Seeking Tertiary Multidisciplinary Care	Alisa Laura Dutmer (N.I.) , MF Reneman, AP Wolff, R Soer, HR Schiphorst Preuper, Groningen Spine Cohort group
Guideline Recommendations On The Pharmacological Management Of Non-Specific Low Back Pain In Primary Care – Is There A Need To Change?	Marco Schreijenberg , BW Koes, C-WC Lin
Intervertebral Kinematics Of Treatment-Resistant Back Pain	AC Breen, FE Mellor, Alan Breen
Is A Multisegmental Analysis Of The Spine Necessary To Describe Spine Motion During Daily Activities?	Enrica Papi , AMJ Bull, AH McGregor
Re-Framing Disempowering Discourses In Physical Therapy	Hilary Abbey
Using Creative Co-Production To Design An Educational Resource For People With Back Pain	Richard Webber (N.I.) , R Partridge, C Grindell
Long-Term Clinical Outcome After Anterior Cervical Discectomy With Polymethylmethacrylate (PMMA) For Cervical Degenerative Disease	Dennis Sikkens , AEH Broekema, R Soer, MF Reneman, RJM Groen, JMA Kuijlen
Cellular Senescence In Intervertebral Disc Degeneration Is Associated With DNA Damage And Cytoplasmic DNA	Y Daneshnia, J Snuggs, A Scott, Christine L Le Maitre
Spinal Function Classification Framework For Non-Specific Low Back Pain: A Delphi Survey Of Academic Experts And Clinicians	Liba Sheeran , M Robling
The Association Between (Pro-)Inflammatory Biomarkers And Nonspecific Low Back Pain: A Systematic Review	Roxanne van den Berg , EM Jongbloed, EIT de Schepper, SMA Bierma-Zeinstra, BW Koes, PAJ Luijsterburg
Osteopaths' Perceptions, Beliefs And Practice Of Promoting Activity In The Treatment Of Non-Specific Low Back Pain: A Qualitative Study	Andrea Bain (N.I.) , S Vogel
Biopsychosocial Model Perceptions In Patients And Healthcare Professional	R Roddha, Jason Braybrooke
Do Patients With Low Back Pain Consider Pain A Signal To Stop Being Active? A Cross Sectional Study Of Patients Being Referred To Secondary Care	Allan Riis , EL Karran, A Jørgensen, S Holst, N Rolving

General Practitioners' Requirements For Recommending Online Information To Patients With Low Back Pain	DM Hjelmager, LD Vinther, SH Poulsen, LS Pedersen, MB Jensen, Allan Riis
A Comparison Of Plain Radiographs And Quantitative Fluoroscopy For The Measurement Of Translatory Slip In The Lumbar Spine	Alexander Breen , R Hemming, E Claerbout, A Breen
Investigation Of The 3D Vascular Network In Vertebral End Plates Using Micro-Computed Tomography	Sheen Gurrib , SM Best, RE Cameron
Development Of Injectable Thermoresponsive Clay-Polymer Nanocomposite Formulations For Intervertebral Disc Degeneration	Simon W Partridge , AA Thorpe, CL Le Maitre, C Sammon
Usefulness And Feasibility Of Comprehensive And Less Comprehensive Vocational Rehabilitation For Patients With Chronic Musculoskeletal Pain: Perspectives From Patients, Professionals, And Managers	Timo T Beemster , JM van Velzen, CAM van Bennekom, MF Reneman, MHW Frings-Dresen
Are People With Chronic Or Recurrent Low Back Pain 'Self-Managing'?	Jenni Monaghan (N.I.) , M Fothergill, N Adams
No Evidence Of Widespread Mechanical Pressure Hyperalgesia After Experimentally-Induced Central Sensitization	Timothée Cayrol (N.I.) , L Pitance, N Roussel, A Mouraux, EN van den Broeke
Effects of TaPentadol on ChRonic PaIn aNd parameters of Central sensitisation. A prospective, open label, randomized cross-over study with pregabalin as comparator (PRINCE study)	Ingrid Schuttert (N.I.) , H Timmerman, GW Groen, AP Wolff
Development Of The Online Patient Satisfaction Index (Opsi): A Questionnaire To Measure Satisfaction With Online Information Of Low Back Pain	Tamana Afzali , HH Lauridsen, JL Thomsen, J Hartvigsen, MB Jensen, A Riis
What Is The Evidence For Differentiating Exercise Advice In Primary Care Based On The Level Of Low Back Pain: A Systematic Review	JE Jørgensen, T Afzali, Christian L Straszek , JL Thomsen, A Riis
University College Of Osteopathy Students' Attitudes Towards Psychosocial Risk Factors And Non-Specific Low Back Pain: A Qualitative Study	Tristan PE Delion (N.I.) , J Draper-Rodi
Central Sensitisation In Patients With Chronic Low Back Pain Radiating To The Leg (CLaSSICO STUDY)	Ingrid Schuttert (N.I.) , H Timmerman, GW Groen, AP Wolff
Effects Of The Mulligan Sustained Natural Apophyseal Glide (SNAG) Mobilisation On Trunk Muscle Activity And Vertical Jump Performance In Healthy Subjects	A Alhashel, E Alamri, Valerie Sparkes
Association Between Central Sensitization And Lifting And Aerobic Capacity In Patients With Chronic Low Back Pain	Jone Ansuategui Echeita , HR Schiphorst Preuper, R Dekker, MF Reneman
The Effects Of Visual-Auditory Instructions Compared To Verbal Instructions On Front Squat Kinematics In Novice Weight Lifters	A Astek, R van Deursen, Valerie Sparkes
Inconsistence Description Of Lumbar Multifidus Morphology. A Systematic Review	Anke Hofste , R Soer, HJ Hermens, FGJ Oosterveld, GJ Groen