

POSTER SESSION

P01	<p>A preliminary investigation into the comparison of cervical range of motion between self stretching and sustained natural apophyseal glides by manual therapist in an asymptomatic population <u>A. Yoshikawa</u>^{1,2}, R. Yanagihashi¹, T. Fujiwara^{1,2}, K. Abe², ¹Koriyama Institute of Health Sciences, Japan, ²ShinShu University, Japan</p>
P02	<p>Evaluation of ankylosing spondylitis spinal mobility using an optical motion capture system J.L. Garrido-Castro¹, R. Medina-Carnicer¹, E. Collantes², <u>A.M. Galisteo</u>¹, C. Gonzalez-Navas², D. Ruiz-Vilchez², ¹Cordoba University, Spain, ²University Hospital Reina Sofia, Spain</p>
P03	<p>Associations between movement control tests and acuity of goal-directed arm movements to visible and invisible targets in patients with persistent neck-shoulder pain <u>B. Aasa</u>¹, M. Djupsjöbacka³, T. Rudolfsson^{2,3}, U. Aasa², ¹Norrlandskliniken, Sweden, ²University of Umeå, Sweden, ³University of Gävle, Sweden</p>
P04	<p>Electrical muscle stimulation training for deep spinal stabilisers results in significant reductions in pain and disability scores in patients with chronic low back pain S. Coghlan, L. Crowe, U. McCarthyPersson, <u>B. Caulfield</u>, University College Dublin, Ireland</p>
P05	<p>The reliability and validity of a clinical test of passive inter-segmental lumbar flexion? <u>C.M. Davies</u>¹, C. McCarthy², J. McCluskey³, B.J. Introwicz¹, A D Pandyan¹, ¹ Keele University, UK, ²St Mary's Hospital London, UK, ³Private Practitioner, MACP, UK</p>
P06	<p>A pilot study: Effectiveness of a lateral glide cervical spine mobilisation on Cervicobrachial (neck and arm) pain <u>E.J. Salt</u>^{1,2}, S.M. Kelly², C.C. Wright², ¹Burton Hospital NHS Foundation Trust, UK, ²The University of Birmingham, UK</p>
P07	<p>The movement dysfunction concept in the disablement model as a basis for contemporary clinical reasoning in chronic pain patients <u>E.J. Thoomes</u>, M. Schmitt, SOMT, Netherlands</p>
P08	<p>Effects of proprioceptive exercises on posterior pelvic tilt strength and proprioception level in chronic low back pain G. Coskun, <u>F. Can</u>, Hacettepe University, Turkey</p>
P09	<p>The influence of neurodynamic release on self perceived lumbopelvic movement control: An explorative pilot study <u>G.M. Homstøl</u>, B.O. Homstøl, NHP-Neuromusculoskeletal Health & Performance, Norway</p>
P10	<p>The analysis of neck-back muscular fatigue due to prolonged musculoskeletal load from casual computer work in different sitting postures W.H. Cho, W.Y. Lee, <u>H. Choi</u>, Sungkyunkwan University, Korea</p>
P11	<p>Reliability and effects of chronic pain and movement repetition on shoulder functional outcome measures K.V. Lomond^{1,2}, <u>J.N. Côté</u>^{1,2}, ¹McGill University, Canada, ²Jewish Rehabilitation Hospital, Canada</p>
P12	<p>The effect of balance training on sensorimotor function in young physical therapy students - a RCT <u>K. Beinert</u>, Schule für Physiotherapie in Grünstadt, Germany</p>
P13	<p>Does age affect star excursion balance test scores over the course of one year? R.J. Butler¹, <u>K.B. Kiesel</u>¹, P. Gorman², P.J. Plisky², ¹University of Evansville, USA, ²ProRehab PC, USA</p>
P14	<p>Fundamental movement dysfunction as measured by the functional movement screen shifts the probability of predicting a musculoskeletal injury in firefighters <u>K.B. Kiesel</u>^{1,2}, P.J. Plisky², R.J. Bulter¹, ¹University of Evansville, USA, ²ProRehab-PC, USA</p>
P15	<p>Pain physiology during exercise is abnormal in chronic fatigue syndrome, but not in chronic low back pain <u>L. Daenen</u>^{1,3}, N.A. Roussel¹, M. Meeus^{1,2}, S. Truijen¹, J. Nijs^{1,2}, ¹Artesis University College Antwerp, Belgium, ²Vrije Universiteit Brussel, Belgium, ³University of Antwerp and University Hospital Antwerp, Belgium</p>
P16	<p>Immediate effect of the osteopathic manipulation of the ankle joint on plantar pressures during gait <u>M. Barcia</u>¹, S. Patiño¹, F. Ramos², R. Fernández¹, A. Gómez³, ¹Physical Therapy Dept, University of A Coruña, Spain, ²Hospital Modelo (A Coruña), Spain, ³University of Murcia, Spain</p>
P17	<p>New perspective in sports injury prevention in an America's Cup Sailing Prevention of sport injuries in an America's Cup <u>M. Hadala</u>^{1,2}, C. Barrios², ¹Dept of Physiology, University of Valencia, Spain, ²Orthopaedics & Trauma Unit, Dept of Surgery, University of Valencia, Spain</p>
P18	<p>Effect of rocker shoes on ground reaction force in patients with rheumatoid arthritis <u>M.S. Ghasemi</u>, M. Bagherzadeh, Iran University of Medical Science, Iran</p>
P19	<p>Effect of insole on Ground Reaction Force and Centre of Pressure in subjects with flexible flat foot <u>M.S. Ghasemi</u>, F. Khanmohammad, Iran University of Medical Science, Iran</p>

P20	<p>The self-reported aggravating activities of people with chronic non-specific low back pain do not involve consistent directions of spinal movement: An observational study B.M. Wand¹, R. Hunter², <u>N.E. O'Connell</u>³, L. Marston⁴, J. McAuley^{5,6}, ¹The University of Notre Dame, Australia, ²SportsMed Subiaco, Australia, ³Brunel University, UK, ⁴University College London Medical School, UK, ⁵The George Institute for International Health, Australia, ⁶University of Sydney, Australia</p>
P21	<p>Internal consistency of the Multidimensional Affect and Pain Survey (MAPS) in neck and back pain O.M. Crummey^{1,3}, D.J. Martin¹, K. Rome², ¹Teesside University, UK, ²Auckland University of Technology, New Zealand, ³St Johns Hospital, UK</p>
P22	<p>Condition management program – A biopsychosocial approach of dealing with physical problems of people on incapacity benefit <u>P. Agarwal</u>^{1,2}, ¹Chartered Society of Physiotherapists, UK, ²Manipal University, India</p>
P23	<p>Effect of lumbar stabilization exercises as home program in treatment of young women with non specific low back pain <u>P. Agarwal</u>^{1,2}, ¹Chartered Society Of Physiotherapists, UK, ²Manipal University, India</p>
P24	<p>The effect of performing a passive intervertebral accessory mobilisation (PAIVM) using thumb and pisiform grip on craniovertebral angle and lumbar spine position P. J. Coales, H. Fursman, S. Greenwood, Cardiff University, UK</p>
P25	<p>The effect of carrying a backpack with and without a waist strap on craniovertebral angle <u>P.J. Coales</u>, S. Evans, Cardiff University, UK</p>
P26	<p>Comparison of sitting on a gym ball alone versus sitting on a gym ball plus dynamic limb movements for chronic back pain: A 6-month follow-up clinical trial <u>P. Pensri</u>¹, R. Huangchumnon², M. Chaikumarn¹, ¹Chulalongkorn University, Thailand, ²Sawanpracharak Hospital, Thailand</p>
P27	<p>Psychosocial factors predicting functional outcome after total knee replacement: Preliminary results <u>P.A. Roche</u>¹, M.L. van der Linden¹, P.J. Rowe², R.W. Nutton³, ¹Queen Margaret University, UK, ²Strathclyde University, UK, ³Royal Infirmary Edinburgh, UK</p>
P28	<p>Devising and adaptation to current development of a new test of balance and coordination for children with motor problems and ability to walk <u>R. Gómez Sales</u>, A. Gómez Conesa, M. D. Hidalgo Montesinos, Murcia University, Spain</p>
P29	<p>Psychometric properties of 11 items situational balance and coordination new test in children with typical development and adaptation to children with motor problems <u>R. Gómez Sales</u>, A.A. Gómez Conesa, M.D. Hidalgo Montesinos, Murcia University, Spain</p>
P30	<p>An investigation of the afferent origin of reflexes from the hand and forearm to shoulder muscles in humans <u>S.C. Elliott</u>¹, J.R. Hanson¹, C.M. Alexander², ¹King's College London, UK, ²Imperial College Healthcare NHS Trust, UK</p>
P31	<p>The McKenzie classification system in the extremities – a reliability study using McKenzie assessment forms and experienced clinicians <u>S.J. May</u>¹, J. Ross², ¹Sheffield Hallam University, UK, ²Dundee University College of Medicine, Dentistry and Nursing, UK</p>
P32	<p>Specific directional exercises for low back pain: A case series A. Long¹, <u>S.J. May</u>², T. Fung³, ¹Bonavista Physical Therapy, Canada, ²Sheffield Hallam University, UK, ³University of Calgary, Canada</p>
P33	<p>Clinical assessment of scapulohumeral function in patients with subacromial impingement: What do shoulder physiotherapists think and what do they do? M.J. Smith¹, D. Jones², C. Connor³, <u>V. Sparkes</u>¹, R W van Deursen¹, ¹Cardiff University, UK, ²Cardiff and Vale NHS Trust, UK, ³Gwent Healthcare NHS Trust, UK</p>
P34	<p>The common therapeutic exercises' effects on cardiovascular fitness of stroke patients W. Tong, D. Yan, W. Tao, <u>D. Meng</u> First Affiliated Hospital of Nanjing Medical University, China</p>
P35	<p>An investigation into the usefulness of clinical tests by physiotherapists at extended scope level for meniscus lesions in the knee and labral lesions in the shoulder <u>W. V. King</u>^{1,2}, C. Mercer^{1,2}, ¹Worthing and Southlands Hospitals NHS Trust, UK, ²Manipulative Association of Chartered Physiotherapists, UK</p>
P36	<p>The use of a weight-bearing measuring device for accurate assessment and biofeedback training following lower limb pathology <u>Y. Kaplan</u>, Hebrew University of Jerusalem, Israel</p>
P37	<p>Percentage body-weight/ weight-bearing (PBW/WB) values in increasing speeds from walking to running <u>Y. Kaplan</u>, Y. Barak, Y. Sonnenblick, G. Levin, Hebrew University of Jerusalem, Israel</p>
P38	<p>Responsiveness of a patient specific outcome measure compared with the Oswestry Disability Index V2.1 and the Roland and Morris Disability Questionnaire for patients with sub-acute and chronic low back pain H. Frost, S. Lamb, S. Stewart Brown, University of Warwick, UK</p>