

Scientific Publications

A1 Validity / Reliability / Objectivity

A1.10	<p>E Kellis, G Adamou, G Tziliou, M Emmanouilidou</p> <p>Reliability of spinal range of motion in healthy boys using a skin-surface device</p> <p><i>Physical Education and Sports and Sciences at Serres, Aristotle University Thessaloniki, Serres, Greece</i></p> <p><i>J Manipulativ Physiol Ther, 31: 570 – 576, 2008</i></p>
A1.9	<p>M Guerhazi, S Ghroubi, M Kassis, O Jaziri, H Keskes, W Kessomtini, I Ben Hammouda, MH Elleuch</p> <p>Article in French</p> <p>Validity and reliability of Spinal Mouse® to assess lumbar flexion</p> <p><i>Service de Médecine Physique et Réadaptation fonctionnelle de l'Hôpital Habib-Bourguiba, Université du Sud, Sfax, Tunisie</i></p> <p><i>Ann Readapt Phys, 49 (4): 172 – 177, 2006</i></p>
A1.8	<p>RB Post, VJM Leferink</p> <p>Spinal mobility: sagittal range of motion measured with the SpinalMouse, a new non-invasive device</p> <p><i>Department of Surgery, University Hospital Groningen, Netherlands</i></p> <p><i>Arch Orthop Trauma Surg, 124: 187 – 192, 2004</i></p>
A1.7	<p>AF Mannion, K Knecht, G Balaban, J Dvorak, D Grob</p> <p>A new skin-surface device for measuring the curvature and global and segmental ranges of motion of the spine: reliability of measurements and comparison with the data reviewed from the literature</p> <p><i>Institute of Physical Medicine and Rehabilitation, University Hospital Zurich, Switzerland</i></p> <p><i>Eur Spine J, 13:122 – 136, 2004</i></p>
A1.6	<p>E Bistritschan, S Delank, G Winnekendonk, P Eysel</p> <p>Article in German</p> <p>Oberflächenmessverfahren (MediMouse) versus Röntgenfunktionsaufnahmen zur Beurteilung der lumbalen Wirbelsäulenbeweglichkeit</p> <p><i>Klinik und Poliklinik für Orthopädie, Klinik der Universität Köln, Germany</i></p> <p><i>Orthopädie, 141 (S1), 2003</i></p>
A1.5	<p>S Keller, AF Mannion, D Grob</p> <p>Reliability of a new measuring device („spinalmouse“) in recording the sagittal profile of the back</p> <p><i>Schulthess Clinic, Zurich, Switzerland</i></p> <p><i>Eur Spine J, 9 (4), 2000</i></p>

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A1.4	<p>RK Meier, D Gutensohn, R Dracheneder, N Seichert</p> <p>Article in German</p> <p>Objektive Evaluation der Rückenform und Veranschaulichung der WS-Aufrichtung im Rahmen der Patientenschulung</p> <p><i>Orthopädische Abteilung der Bad Colberg Kliniken, Bad Colberg, Germany</i></p> <p><i>Phys Med Rehab Kuror, 10 (4), 2000</i></p>
A1.3	<p>S Steinbeis, G Stucki</p> <p>Article in German</p> <p>Alters- und geschlechtsspezifische Normwerte von Rückenform und – beweglichkeit gemessen mit der Rückenmaus</p> <p><i>Medizinische Fakultät der Ludwig-Maximilians-Universität München, Germany</i></p> <p><i>Dissertation, 1999</i></p>
A1.2	<p>N Seichert</p> <p>Measurement of shape and mobility of the spinal column: Validation of the SpinalMouse® by comparison with functional radiographs</p> <p><i>Ludwig-Maximilians-Universität München, Germany</i></p> <p><i>Summary of dissertation of S Schulz, 1999</i></p>
A1.1	<p>S Schultz, E Senn, G Stucki</p> <p>Article in German</p> <p>Messung von Form und Beweglichkeit der Wirbelsäule: Validierung der „Rückenmaus“ durch Vergleich mit Röntgen-Funktionsaufnahmen</p> <p><i>Medizinische Fakultät der Ludwig-Maximilians-Universität München, Germany</i></p> <p><i>Dissertation, 1999</i></p>
A1.0	<p>N Seichert, M Baumann, E Senn, H Zuckriegel</p> <p>Article in German</p> <p>Die Rückenmaus – Ein analog digitales Messgerät zur Erfassung der sagittalen Rückenkontur</p> <p><i>Klinik für Physikalische Medizin und Rehabilitation der Ludwig-Maximilians-Universität München, Germany</i></p> <p><i>Phys Rehab Kur Med 4: 35 – 43, 1994</i></p>

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A2 Clinical applications

A2.11	<p>S Watanabe, K Kobara, H Ishida, A Eguchi</p> <p>Influence of trunk muscle co-contraction on spinal curvature during sitting cross-legged</p> <p><i>Department of Rehabilitation, Faculty of Health Science and Technology, Kawasaki, Japan</i></p> <p><i>Electromyogr Clin Neurophysiol, 50: 187-192, 2010</i></p>
A2.10	<p>I Bautmans, J Van Arken, M Van Mackelenberg, T Mets</p> <p>Rehabilitation using manual mobilization for thoracic kyphosis in elderly postmenopausal patients with osteoporosis</p> <p><i>Frailty in Ageing Research Department, Vrije Universiteit Brussel, Belgium</i></p> <p><i>Geriatrics, Universitair Ziekenhuis, Brussel, Belgium</i></p> <p><i>J Rehabil Med, 42: 129 – 135, 2010</i></p>
A2.9	<p>Y Takihara, Y Urabe, GA Nishiwaki, K Tanaka, K Miyashita</p> <p>How back-muscle fatigue influences lumbar curvature</p> <p><i>Health Science Department, Hiroshima University, Hiroshima, Japan</i></p> <p><i>J Sport Rehabil, 18: 327 – 336, 2009</i></p>
A2.8	<p>R Chou, R Fu, JA Carrino, RA Deyo</p> <p>Imaging strategies for low-back pain: systematic review and meta-analysis</p> <p><i>Oregon, Health and Science University, Portland, USA</i></p> <p><i>Lancet, 373: 463 – 472, 2009</i></p>
A2.7	<p>H Ishida, S Watanabe, H Yanagawa, M Kawasaki, Y Kobayashi, Y Amano</p> <p>Immediate effects of a rucksack type orthosis on the elderly with decreased lumbar lordosis during standing and walking</p> <p><i>Department of Rehabilitation, Shukumo Clinic, Okayama, Japan</i></p> <p><i>Electromyogr Clin Neurophysiol, 48:: 53 – 61, 2008</i></p>
A2.6	<p>G Verheyden, A Nieuwboer</p> <p>An exploratory study of trunk impairment in people with Parkinson's disease</p> <p><i>School of Health Sciences, University Southampton, United Kingdom</i></p> <p><i>Poster (unpublished) 2007</i></p>
A2.5	<p>S Watanabe, A Eguchi, K Kobara, H Ishida</p> <p>Influence of trunk muscle co-contraction on spinal curvature during sitting for desk work</p> <p><i>Department of Rehabilitation, Faculty of Health Science and Technology, Kawasaki, Japan</i></p> <p><i>Electromyogr Clin Neurophysiol, 47: 273 – 278, 2007</i></p>
A2.4	<p>N Miyakoshi, M Hongo, S Maekawa, Y Ishikawa, Y Shimada, E Itoi</p> <p>Back extensor strength and lumbar spinal mobility are predictors of QOL in patients with postmenopausal osteoporosis</p> <p><i>Division of Orthopedic Surgery, Akita University School of Medicine, Akita, Japan</i></p> <p><i>Osteoporos Int, 18: 1397 – 1403, 2007</i></p>

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A2.3	<p>N Miyakoshi, M Hongo, S Maekawa, Y Ishikawa, Y Shimada, K Okada, E Itoi</p> <p>Factors related to spinal mobility in patients with postmenopausal osteoporosis</p> <p><i>Department of Orthopedic Surgery, Akita University School of Medicine, Akita, Japan</i></p> <p><i>Osteoporos Int, 16: 1871 – 1874, 2005</i></p>
A2.2	<p>AF Mannion, J Dvorak, M Müntener, D Grob</p> <p>A prospective study of the interrelationship between subjective and objective measures of disability before and 2 months after lumbar decompression surgery for disc herniation</p> <p><i>Schulthess Clinic Zurich, Switzerland</i></p> <p><i>Eur Spine J, 14: 454 – 465, 2005</i></p>
A2.1	<p>RB Post, VJM Leferink</p> <p>Sagittal range of motion after a spinal fracture: does ROM correlate with functional outcome?</p> <p><i>Department of Surgery, University Hospital Groningen, Netherlands</i></p> <p><i>Eur Spine J, 13: 489 – 494, 2004</i></p>
A2.0	<p>EM Liebig, R Kothe, AF Mannion, D Grob</p> <p>The clinical significance of the lumbar lordosis: relationship between lumbar spinal curvature and low back pain</p> <p><i>Schulthess Clinic, Zurich, Switzerland</i></p> <p><i>Eur Spine J, 9: 286, 2000</i></p>

A3 Master thesis / practical experiences

A3.1	<p>M Thuma</p> <p>Report in German</p> <p>Von der Bedeutung gesundheitspräventiver Massnahmen für Wiener Volksschulkinder, vor allem statisch und dynamische Haltung bzw. Motorik betreffend [Anm: inkl. Normwerterfassung von Kindern]</p> <p><i>Body & Health Academy, Vienna, Austria</i></p> <p><i>Master Thesis, 2007</i></p>
A3.0	<p>A Clemens</p> <p>Report in German</p> <p>Untersuchung der Effektivität eines propriozeptiven Trainingsprogramms im Bäckerhandwerk</p> <p><i>BSA-Private Berufsakademie, Hermann Neuberger Sportschule, Saarbruecken, Germany</i></p> <p><i>Master Thesis, 2007</i></p>