

Publications, Abstracts and Posters

- R28ab** Danielson B, Sahlgrenska University Hospital, Gothenburg, Sweden, 2004
“Axial loading at MRI in assessment of Cobb angles in idiopathic scoliosis”
Presentation at RSNA, 2004 (abstract available)
- R27ab** Johansson A, Ängelholm Hospital in cooperation with Sahlgrenska University Hospital, Gothenburg, Sweden, 2004
“Correlation between symptoms and findings during axial loaded MRI of the lumbar spine in patients with neurogenic claudication or sciatica”
Presentation at RSNA, 2004 (abstract available)
- R26ab** Willén J, Sahlgrenska University Hospital, Gothenburg, Sweden, 2004
“The surgical result in occult lumbar spinal stenosis detected by axial loaded CT and MRI”
Presentation at RSNA, 2004 (abstract available)
- R25ab** Cham M, University of Rochester Medical School of Medicine & Dentistry, NY, USA, 2004
“But my back hurts only when I’m standing!” How to perform axial-loading in MRI for Spinal Canal Stenosis
Poster at RSNA Educational Exhibit, 2004 (abstract available)
- R24ab** Byass O, Hull Royal Infirmary, UK, 2004
“The effect of axial loading on the cross-sectional area of the lumbar spine exit foramen”
Presentation at RSNA, 2004 (abstract available)
- R23pb** Hiwatashi A, Danielson B, Moritani T, Westesson P-L, Bakos R, Rodenhouse T,
R23ab Pilcher, 2004
“Axial loading during MR imaging can influence treatment decision for symptomatic spinal stenosis”
AJNR 2004;25:170-174
- R22ab** Scharf J, Podlesek D, Nölte I, Groden C:
„Funktionsuntersuchungen in der MRT zur Darstellung belastungsabhängiger Veränderungen bei lumbaler Spinalkanalstenose“
Presentation at Deutsche Röntgenkongress in Wiesbaden, May 2004 (abstract available)
- R21ab** Lei X, Yin J, Xia S, Chen X, Wu S, Qi J, First Central Hospital of Tianjin Medical
R21po University, Tianjin, China, 2004
“The diagnostic value of axial loading of the lumbar spine during CT and MRI imaging in patients with degeneration disorders”
Presentation and Poster at the 5th Chinese Congress of Radiology – MRI Branch, October 15-17, 2004 (abstract available)
- R20pb** Saifuddin A, Blease S, Macsweeney E, 2003
“Axial Loaded MRI of the Lumbar Spine”
Clinical Radiology (2003), 58:661-671

- R19-** Danielson B, Willén J, 2003
“Axially loaded CT and MRI of the lumbar spine - A method to achieve an accurate radiological diagnosis in patients with low back pain”
Chapter in: *“Advances in Spinal Fusion”*. Marcel Dekker, Inc, New York. Published 2003.
Review
- R18ab** Saifuddin A, McSweeney E, Lehovsky J, 2003
“Development of Lumbar High Intensity Zone on Axial Loaded Magnetic Resonance Imaging”
SPINE 2003 Nov 1; 28(21): E449-52 (Abstract available)
- R17ab** Lee SU, Hargens AR, Fredericson M, Lang PK , 2003
“Lumbar spine disc height and curvature: upright posture vs. supine compression harness”
Aviat Space Environ Med. 2003 May; 74(5): 512-6 (Abstract available)
- R16ab** MacSweeney E, Saifuddin A, Blease S, Noordeen MH, Taylor BA, 2003
“Assessment of Cobb angle in idiopathic scoliosis on axial loaded MRI. Preliminary results“
Presentation at BRC 2003 (abstract available)
- R15ab** Hiwatashi A, Moritani T, Danielson B, Westesson P-L, 2003
“MR imaging with Axial Loading of the Spine alters treatment decisions in about 30% of cases”
Presentation at ASNR, Washington, DC, USA, April 27 – May 2, 2003 (abstract available)
- R14ab** Westesson P-L, Hiwatashi A, Moritani T, Danielson B, 2002.
“Axial Loading of the Spine During MR Imaging Increases Sensitivity for Spinal Stenosis”
Presentation at RSNA, Chicago, USA, December 1-6, 2002 (abstract available)
- R13ab** Kahn S, Hemmer J F, Erly W K, Seeger J F, 2002
“MR Scanning of the Lumbosacral Spine during Simulated Upright Positioning”
Presentation at Symposium and ASNR, 40th Meeting 13-17 May 2002, Vancouver (Abstract available)
- R12ab** Schöllhammer M, Schmid GJ, Willburger R, Köster O, Jergas M, 2002
„MRT der LWS unter axialer Belastung“
Poster at 83. Deutscher Röntgenkongress, May 2002-05-17
- R11-** Amendy U, Watura R, Goddard P, 2002
“Application of a loading device (DynaWell) for the imaging of spinal stenosis”
Presentation at UK Radiological Congress (UKRC) in Birmingham, 2002-06-10
- R10pb** Willén J, Danielson BI, 2001
“The diagnostic effect from axial loading of the lumbar spine during Computed Tomography and Magnetic Resonance Imaging in patients with degenerative disorders”
SPINE 2001; 26: 2607-14.
- R9pb** Danielson B, Willén J, 2001
R9po *“Axially loaded Magnetic Resonance Imaging of the lumbar spine in asymptomatic individuals”*
SPINE 2001; 26: 2601-06.
Also: Poster at Eurospine September 2001. (reprint available)

- R8pb Kimura S, Steinbach G, Watenpaugh D, Hargens A, 2001**
“Lumbar spine disc height and curvature responses to an axial load generated by a compression device compatible with magnetic resonance imaging”
SPINE 2001; 26: 2596-2600.
Also: Presentation at the First Interdisciplinary World Congress on Spinal Surgery, Berlin, Germany, Aug 27 – Sep 1, 2000: 319-323 (abstract available).
- R7pb Schönström N, Willén J, 2001**
“Imaging Lumbar Spinal Stenosis”
Radiologic Clinics of North America 2001; 39 (1): 31-53.
- R6- Willén J, Danielson BI, Schönström N, 2001**
“Kinematic MRI of the lumbar spine: Assessment in the axial loaded, supine position”
Chapter in *“Kinematic MRI of the Joints”* edited by Shellock FG, Powers CM, March 2001, available through CRC Press, ISBN: 0-8493-0807-0.
- R5pb Saifuddin A, 2000**
“The Imaging of Lumbar Spinal Stenosis”
Clinical Radiology (2000), 55, 581-594
- R4po Tallroth K, Lindgren K- A, Willén J, 2000**
“Axial Loading of the Lumbar Spine in CT Scanning“
Poster at the Nordic Orthopaedic Federation, Tampere, Finland, June 2000.
Presentation at the 54th Nordic Radiological Congress, Helsinki, Finland, May 28 – 31, 2000
- R3pb Danielson BI, Willén J, Gaulitz A, Niklason T, Hansson TH, 1998**
“Axial loading of the spine during CT and MR in patients with suspected lumbar spinal stenosis”
Acta Radiologica 1998; 39: 604-611.
- R2pb Tallroth K, 1998**
“Plain CT of the degenerative lumbar spine”
European Journal of Radiology 1998; 27: 206-213.
- R1pb Willén J, Danielson BI, Gaulitz A, Niklason T, Schönström N, Hansson TH, 1997**
“Dynamic effects on the lumbar spinal canal. Axially loaded CT – Myelography and MRI in patients with sciatica and/or neurogenic claudication”
SPINE 1997; 22 (24): 2968-2976.

Other Presentations

- A Danielson B:**
“Application of DynaWell compression device for lumbar spine imaging”
Presentation at Philips network meetings, June 11th 2003
- B Byass O:**
“Dynamic lumbar spine stenosis”
Presentation at Philips network meetings, June 11th 2003
- B Byass O:**
“Dynamic lumbar spine stenosis”
Presentation at Philips network meetings, June 11th 2003
- C Danielson B, 2003**
“The diagnostic effect of axial loading of the lumbar spine during CT and MRI in patients with degenerative disorders”
Presentation at The 44th Congress of Taiwan Orthopaedic Association, Tainan, Taiwan; April 2003
- D Danielson B, 2004**
“Imaging degenerative lumbar spinal stenosis – Impact of axially loaded MR and CT/Myelography examination”
Presentation at the 5th Chinese Congress of Radiology-MRI Branch, October 16th, 2004