

**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 5<sup>th</sup> 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, 40<sup>th</sup> 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 54<sup>th</sup> 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 44<sup>th</sup> 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 5<sup>th</sup> Chinese Congress of Radiology-MRI Branch, October 16<sup>th</sup>, 2004*