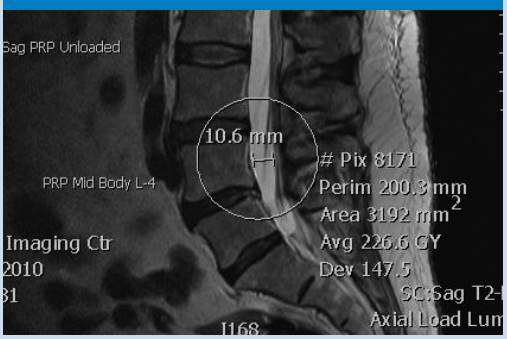
DynaWell® L-Spine Compression

Simulate Stand Up Position in your MRI or CT

Scanning patients with symptoms of Sciatica and Neurogenic Claudication using DynaWell® L-Spine is proven to add 60-70% more information for better and more accurate treatment.

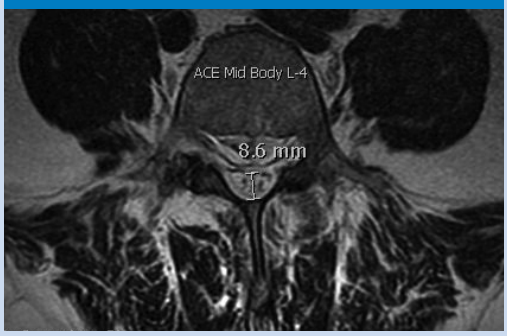
Space Measured Without Compression



Space Measured With Compression

Space Measured Without Compression

Space Measured With Compression



Physician benefits:
DynaWell offers an easy-to-use diagnostic technique that enhances problems that would ordinarily remain undetected when the patient's spine is relaxed.

Patient benefits:
Dynawell is a comfortable way to allow for earlier and more valid diagnosis, allowing physicians to treat the patient's spinal disorder and help them return to a pain-free lifestyle.

MRI Management benefits:
A marketing tool to increase the number of referrals.
Increase your findings, increase your revenues.

www.dynawelldiagnostics.com

DynaWell® L-Spine Compression

A Selection of Current Publications

Knott P, Mardjetko S, Kim R,Cotter T, Techy F, Rollet M
Rosalind Franklin University of Medicine and Science, Chicago, USA
"Comparing axial loaded MRI to standing radiographs in the evaluation of AIS"
Scoliosis. 2010; 5 (Suppl 1): O12.

Adam C, Izatt M, Askin G.
"Design and evaluation of an MRI compatible axial compression device for 3D assessment of spinal deformity and flexibility"
Annual Scientific Meeting of the Spine Society of Australia 2010

Huang K-J, Lin R-M, Lee Y-L, Li J-D
"Factors affecting disability and physical function in degenerative lumbar spondylolisthesis of L4-5: evaluation with axially loaded MRI"
European Spine Journal, June 15, 2009

Knott P, Mardjetko SM, Kim R, Trznadel N, Huang J
"The use of axial loaded MRI in place of radiographs for surveillance of adolescent idiopathic scoliosis: one practice's experience and recommendations"
Scoliosis 2009, 4 (Suppl 2):O020

Choy K-C, Kim J-S, Jung B, Lee S-H
"Dynamic lumbar spinal stenosis: The usefulness of axial loaded MRI in preoperative evaluation"
J Korean Neurosurg Soc 46: 265-268, 2009

Wessberg P, Danielsson B, Willén J
"Surgical results in hidden lumbar spinal stenosis detected by axial loaded computed tomography and magnetic resonance imaging: an outcome study"
SPINE 33(4) E109-E115, Feb 15, 2008

Wessberg P, Danielsson B, Willén J
"Comparison of Cobb angles in idiopathic scoliosis on standing radiographs and supine axially loaded MRI"
SPINE 31(26) 3039-3044, December 15, 2006

Lohman M, Tallroth K, Kettunen J, Lindgren K-A
"Comparison of radiologic signs and clinical symptoms of spinal stenosis"
SPINE 31(16): 1834-1840, July 15,2006

Jayakumar P, Nnadi C, Saifuddin A, MacSweeney E, Casey A
"Dynamic degenerative lumbar spondylolisthesis: Diagnosis with axial loaded magnetic resonance imaging"
SPINE. 31(10):E298-E301, May 1, 2006

Kimura S, Garfin S, Steinbach G, Hesselink J, Hargens A
"Axial harness loads of the cervical spine in supine posture simulates the upright loads"
The Spine Journal, Volume 2, Issue 5, Supplement 1, September-October 2002, Page 65

Danielson B, Sahlgrenska University Hospital, Gothenburg, Sweden, 2004
"Axial loading at MRI in assessment of Cobb angles in idiopathic scoliosis" Presentation at RSNA, 2004

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

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

Hiwatashi A, Danielson B, Moritani T, Westesson P-L, Bakos R, Rodenhause T, Pilcher W, 2004
"Axial loading during MR imaging can influence treatment decision for symptomatic spinal stenosis"
AJNR 2004;25:170-174

Lei X, Yin J, Xia S, Chen X, Wu S, Qi J, First Central Hospital of Tianjin Medical 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 and Presentation at RSNA, 2005

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.

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

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

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

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

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

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