

technology that's getting favorable reviews.

"Optimal surgical results in patients with sciatica and/or neurogenic claudication demand objectively specified diagnoses. Canal encroachments in the degenerative lumbar spine might remain undetected if CT and MR examinations are performed in a supine relaxed position."

Jan Willén, MD, PhD, Senior Spine Surgeon,
Sahlgrenska University Hospital, Gothenburg, Sweden.

"The use of this technology will often assist in a more specific and valid diagnosis of spinal disease, which traditionally has been difficult during horizontal imaging."

Alan R. Hargens, PhD, Senior Scientist, NASA's Ames Research Center, Moffett Field, CA
and Professor of Orthopedics at the University of California, San Diego, USA.

Spinal surgeons and radiologists
all over the world use it.

DynaWell® – working to enhance CT and MRI.

DynaWell® of Sweden is a progressive force in the area of medical technology for enhanced CT and MR imaging. The company's mission is to provide physicians with more powerful diagnostic tools, enabling safer, more accurate and cost-effective treatments. The ultimate goal is to help patients recover from sciatica and neurogenic claudication. Our main product, DynaWell®, is approved by the FDA for enhanced and more relevant diagnosis of the lumbar spine. Further clinical development of this technology in conjunction with other sources of joint pain is currently in progress.

A clear diagnosis opens possibilities for a healthier life.



DynaWell®

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Are you next?

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DynaWell® – a superior way to pinpoint lumbar spinal disorders with CT and MRI.

If you use CT or MR imaging to detect degenerative spinal disorders, we have important news to share with you. It concerns a Swedish invention called DynaWell®, a technology that enables more specific and relevant diagnosis of the lumbar spine, compared with conventional techniques.^{3,4,5}

Cost-efficient, non-invasive and ingeniously simple, the DynaWell® compression device can be used with most CT or MRI scanners. For a relatively modest investment, it allows you to generate images of a patient's spine in a loaded position.

Quite simply, DynaWell® compresses the lumbar spinal canal to simulate what it looks like when a patient is standing — that is, when sciatica and neurogenic claudication are most pronounced. The result? An enhanced diagnosis of encroachment of the spinal canal in disorders such as central and lateral stenosis, disc herniations, intraspinal synovial cysts and other pathologic changes.

DynaWell® was invented by a spinal surgeon and radiologist who faced many of the same challenges you face today. When examining patients in an unloaded, psoas-relaxed position (PRP), a narrowing of the spinal canal could often remain undetected. By contrast, when examined in a slightly extended position during axial compression (ACE), the pathologic features tend to be more visible.

As shown in the photo below, the device itself is compact and easy to use. A specially designed compression vest is attached with straps to a foot-driven compression device. As a result of the design, pressure is not placed directly on the shoulders. All parts are non-magnetic.

With DynaWell®, clinical studies show that it is possible to achieve a more specific and valid diagnosis, compared with regular non-loaded PRP. Dynamic examination is especially recommended when the cross-sectional area of the dural sac is

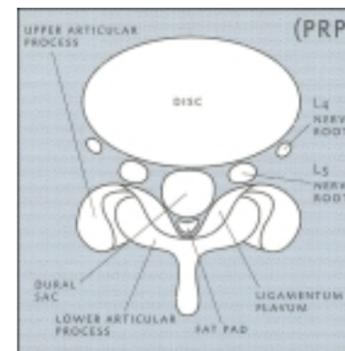
below 110 mm² in PRP, when there is a suspected narrow lateral recess, nerve root compression, deformation of the anterolateral part of the dural sac, synovial cyst or disc herniation in PRP.⁵

Using DynaWell®, for instance, you are 60-70% more likely to spot a stenotic situation in the spinal canal than with a regular unloaded examination.⁵ Based on such positive results, the US Food and Drug Administration (FDA) has approved DynaWell®

for use in the US for lumbar spinal disorders.⁶ Meanwhile, clinical studies on the subject are ongoing at Stanford University in Palo Alto, California, Sahlgrenska University Hospital in Gothenburg, Sweden and the ORTON Orthopaedic Hospital Invalid Foundation in Helsinki, Finland.

To summarize, the main benefits of DynaWell® are:

- Enhanced imaging of the degenerative lumbar spine with CT and MRI.^{2,3,4}
- Unique, unprecedented technology.^{3,4}
- Clinically proven and FDA approved.⁶
- Safe, non-invasive technique.^{3,4}
- Lightweight and easy to use.^{3,4}
- Positive socio-economic benefits.
- Minimum investment vs. cost-effectiveness.



PATIENT SUFFERING FROM SCIATICA AND/OR NEUROGENIC CLAUDICATION: To the left, MR images taken in the supine psoas relaxed position, compared with those taken during supine axial compression using DynaWell® (right).

