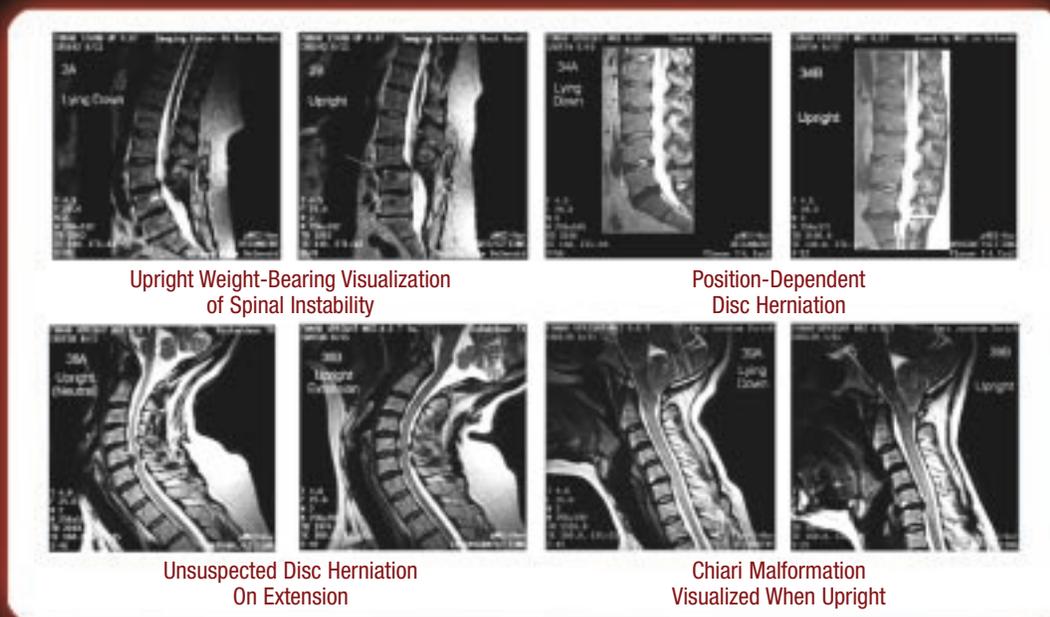


# DISCOVER THE **POWER** OF UPRIGHT™ IMAGING

## A NEW ERA IN DIAGNOSIS: **WEIGHT-BEARING, FULL RANGE-OF-MOTION MRI (ROM).**



Today, radiologists and surgeons are seeing revealing images they've never seen before, diagnosing spinal and other problems that have often been invisible on recumbent-only MRI's, and improving surgical outcomes to a degree never before possible – all thanks to the first MRI that lets you put the body in motion, so scans can be done the way people live and experience problems, instead of just lying flat.

This new era in diagnosis is possible because of the unique power of the Fonar Upright™ Multi-Position™ MRI. It's the first MRI that has the power to provide full range-of-motion diagnosis – with the nerves, discs, and other soft tissue in clear view. It achieves truly physiologic MRI, instead of recumbent-only, static MRI.

For the first time, patients can be scanned in flexion and extension, which is vital, as indicated by the following: *“The dominant motions at both the lower cervical and entire lumbar spine, where most clinical pathology occurs, are flexion-extension”* (p. 378).<sup>1</sup>

With the Fonar Upright™ Multi-Position™ MRI, patients can be scanned with the spine fully loaded with the weight of the body – which studies indicate creates 11 times more pressure on the discs than when the patient is lying flat (A. L. Nachemson, 1976; H. J. Wilke et al, 1999).<sup>2</sup>

Since most MRI exams are still performed in a recumbent-only MRI, it's no wonder that *“... in up to 85% of individuals who report back pain, no pain-producing pathology can be identified”* (p. 566).<sup>3</sup>

The necessity of seeing pathology in the position the patient experiences symptoms is made even more evident by the high incidence of failed back surgery. The major identifiable cause of Failed Back Surgery Syndrome (FBSS) is *“... failure to identify the structural sources of the pain correctly.”*<sup>4</sup>

1 Guides To The Evaluation of Permanent Impairment (AMA Press, 2006), Linda Cocchiarella, MD, MSc, AMA Medical Editor, Gunnar B. J.

3 Guides To The Evaluation of Permanent Impairment (AMA Press, 2006), Linda Cocchiarella, MD, MSc, AMA Medical Editor, Gunnar B. J.

2 A. L. Nachemson, Spine 1, #1, p. 59-71, 1976

4 The Failed Spine, M. Szpalski, R. Gunzburg, Lippincott, Williams & Wilkins, 2005, p. 124