RIDGEFIELD IMAGING CENTER, INC.
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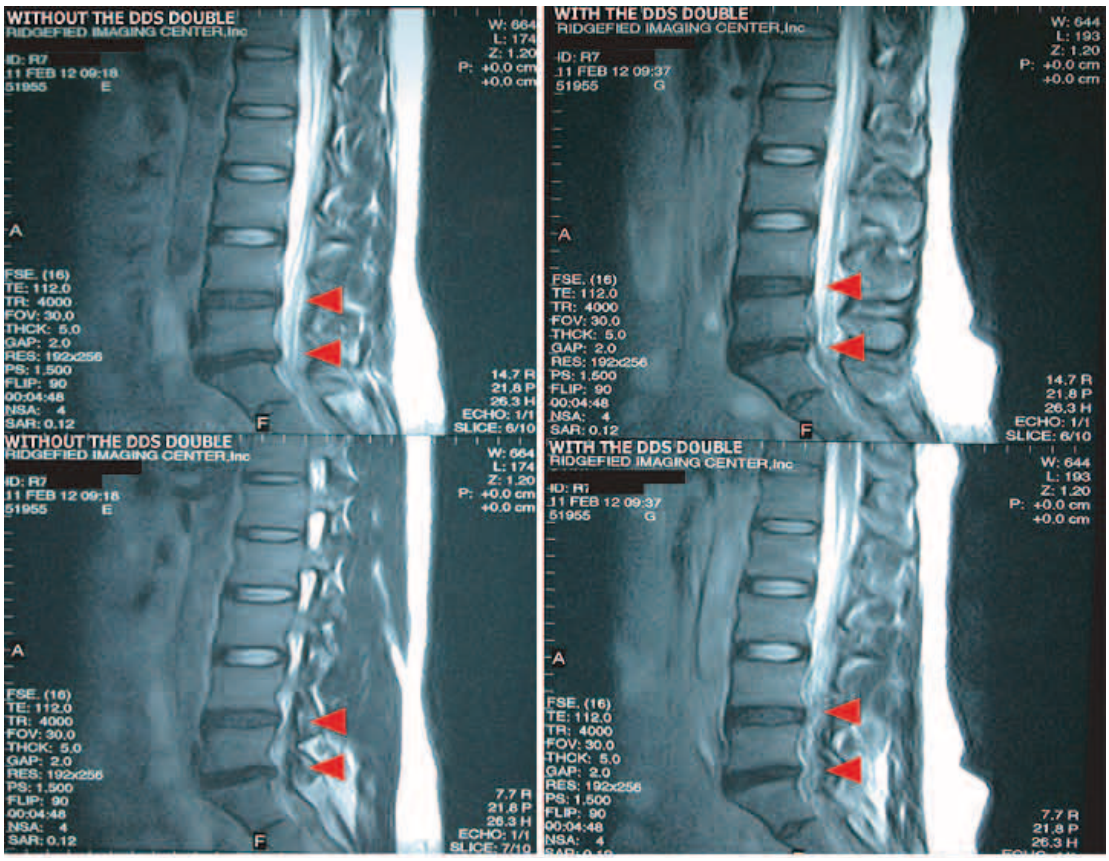
February 25, 2012

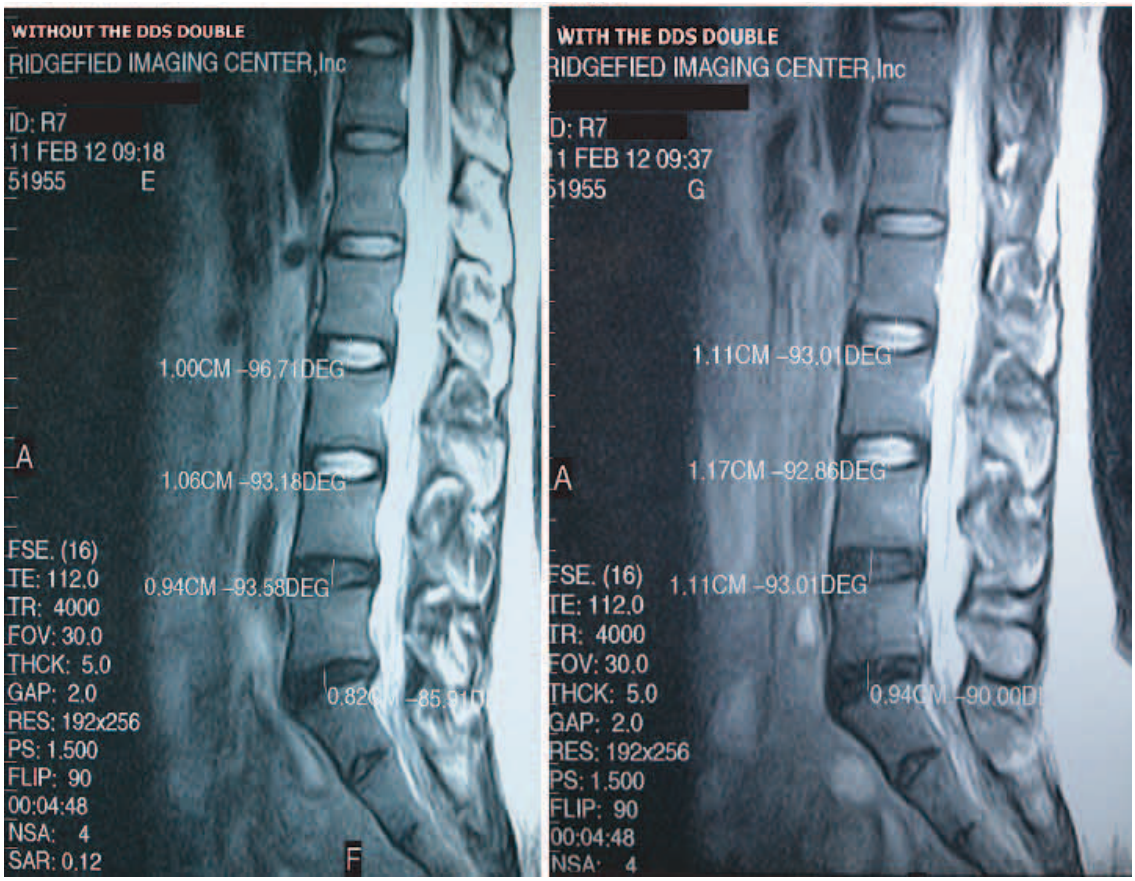
Comparative effective study of DDS Double Lumbar Traction Orthosis

Multiplanar magnetic resonance imaging of the lumbar spine was performed utilizing spin echo and gradient sequences. Comparative effectiveness is measured with and without the application of the DDS Double Lumbar Traction Orthosis. Pre and Post MRI study were performed 20 minutes apart.

Subject: 33 year old male
Exam date: February 11, 2012

Initial sagital MRI study of the lumbar spine without the application of the DDS Double LSO showed multiple central disc protrusion or disc herniation involving the intervertebral disc spaces between, L4-L5, and L5-S1 respectively. Corresponding anterior longitudinal ligaments and nerve roots are compressed by disc materials. Affecting intervertebral disc spaces are narrowed and measured 0.94cm, and 0.82cm respectively at the disc levels mentioned above.





Comparative sagital lumbar MRI was performed after immediate application of the DDS Double LSO. Post application images clearly demonstrated a reduction of the multiple intervertebral annular disc substance with associated expansion or widening of the intervertebral disc spaces. Measuring 1.11cm, and 0.94cm respectively at the disc levels mentioned above.

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