

ExTenTrac® Elite

CASE STUDY

103 Patient Identification Number

Patient: 70 year-old male - retired, presenting chronic history of sciatica. Frequent intermittent episodes of severe right sided buttock and leg pain. Painful gait, condition not improving, getting worse.

Date of onset: 2002

Date of first Treatment: January 26, 2005

Date of Re- Examination: June 20, 2005

Presenting Symptoms prior to EXTENTRAC® Elite: Sharp, Shooting, Low back pain, right radiculopathy extending to the right buttock, posterior-lateral thigh, leg, and ankle. Standing and walking increases pain.

Prior Treatment: Medication – 3 Cortisone injections, ibuprofen, acupuncture, 2 courses of Physical Therapy, Chiropractic.

Examination Findings:

Sensory Examination: Right leg paraesthesia (Hypoesthesia) of the dorsum of the right foot.

Muscle Testing: Right lower extremity; 4/5 dorsi-flexion, 4/5 plantar flexion, 4/5 great toe digit flexion and extension, positive right heel and toe walk.

Imaging Studies: MRI of lumbar spine obtained without contrast on June 27, 2001 reveals the following:

1. Moderate sized central, right lateral and right foraminal broad-based disc herniation, L5-S1. Moderate-to-marked compression of the exiting right L5 root is seen. There is mild compression of the origin of the right S1 root.

2. Mild-to-moderate sized central broad-based disc herniation, L4- L5 with associated facet arthritis. There is mild-to-moderate thecal sac compression.

Pre-Treatment Functional Index Score: 50/100

SLR: 45 degrees.

Provocative Testing: Relief with Forward Flexion.

Diagnosis: Spinal Stenosis / Sciatic Neuritis

EXTENTRAC® Elite Treatment Protocols:

1st Protocol - Horizontal fully automated decompression, prone position, automated intermittent cycle, ankle straps - leg mediated Y-Axis decompression. Leg assembly deviated left of midline.

2nd Protocol - 'Hands-on' decompression -mobilization utilizing M3D® technology. This 2nd protocol procedure was initiated following moderate symptomatic improvement. Manual control of power decompression and left X-Axis mobilization resulted in immediate 're-traction' of the disc accompanied by audible "osseous-ligamentous" release.

Decompression Setting: Maximum Load - 90 lbs. Delay at Max – 30 seconds. Delay at minimum -10 sec.

Procedure was preceded or followed by electric muscle stimulation with moist heat.

Treatment Outcome:

Presenting Symptoms post EXTENTRAC® Elite: Asymptomatic. No lower back pain or leg pain.

Post Treatment Muscle Testing: Right lower extremity; 5/5 dorsi-flexion, 5/5 plantar flexion, 5/5 great toe extension, 5/5 great toe flexion.

Normal heel, minimal decrease in toe walk.

SLR: 70 degrees.

Post Treatment Sensory Examination: Normal sensation, dorsum of right foot.

Post Treatment Functional Index Score: 20/100

Number of Treatments: 11 treatment sessions within 4 weeks.



**Prone Automated
Decompression with X-Axis
Lateral Deviation**