



Dr. G. "Ty" Thaiyananthan  
Neurosurgical & Spine Surgeon

## MEDICAL AND SURGICAL TRAINING

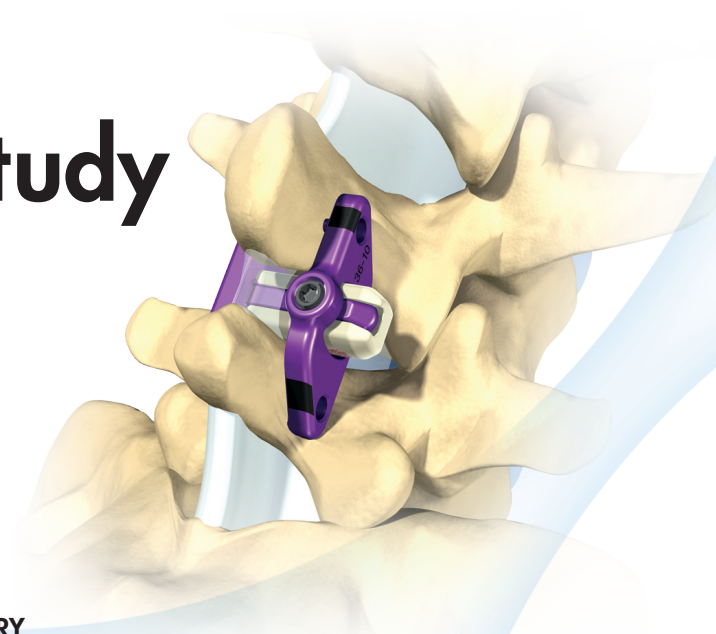
Johns Hopkins University  
Yale University  
University of California, San Francisco

## FELLOWSHIP TRAINING IN SPINE SURGERY

Cedars-Sinai Medical Center

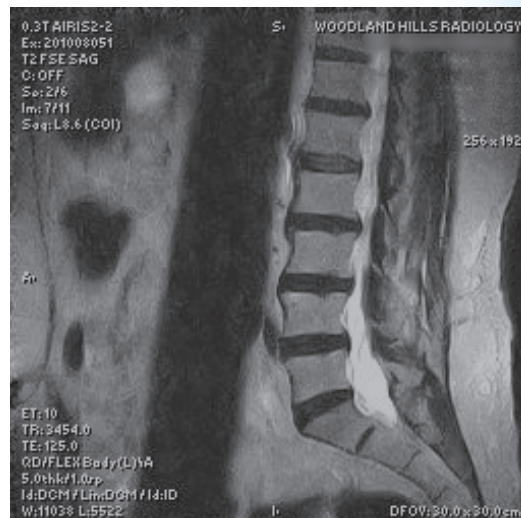
## CURRENT PRACTICE

The Brain and Spine Institute of California



## Patient :

**Age** 72 years old  
**Sex** Male  
**Height** 5'10"  
**Weight** 260 lbs



## Examination / Prior Treatment :

Patient stated having lower back pain after a car accident. The pain was radiating down his lower left extremity. He was given conservative management, including muscle relaxants and nonsteroidals without improvement.

- Motor testing, 5/5 strength throughout both lower extremities
- Pain 8/10
- Gait normal

## Pre-Op Findings / MRI :

- 1) Degeneration of Lumbar Intervertebral Disc, L3
- 2) Neurogenic Claudication

## Procedure Performed :

- 1) Bilateral Laminotomy at L2-3
- 2) Decortication of Interspinous space along with the adjacent Lamina surfaces
- 3) DBM placed inside Axle Insert / Posterior Arthrodesis with Allograft placed on decorticated Lamina surfaces
- 4) Axle Interspinous Device Placed at L2-3

## Post-Op / Follow-Up :

- 10 day** Pain (4/10) incisional pain only, Strength 5/5, LE sensation intact
- 1 month** No perioperative complications, pain (4/10) incisional pain only
- 3 month** Patient pain (0/10) and is off all medication. Cleared to begin driving and resume normal activities
- 11 month** Patient pain (0/10) and is off all medication

## 11 month – Radiology Report :

### Findings :

- 1) Hardware in place, posterior elements at L3. No fractures, dislocations or focal destruction of bone is noted

### Impression :

- 1) Posterior fusion w/hardware in place at the posterior elements at L2/L3
- 2) No fracture is demonstrated

