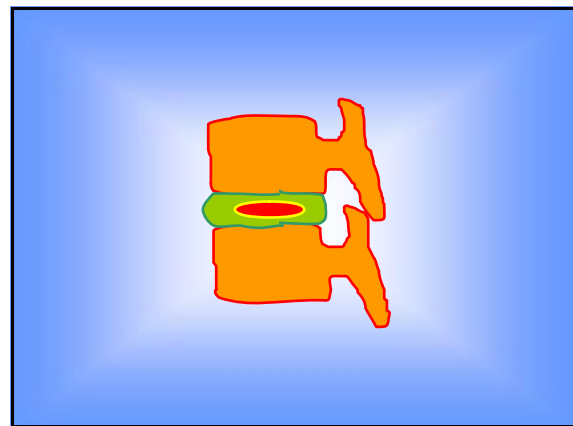
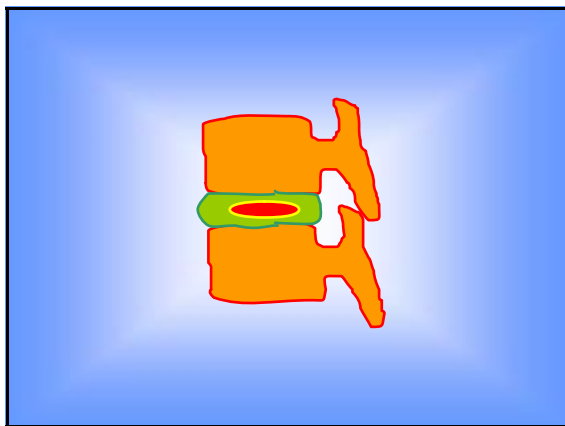
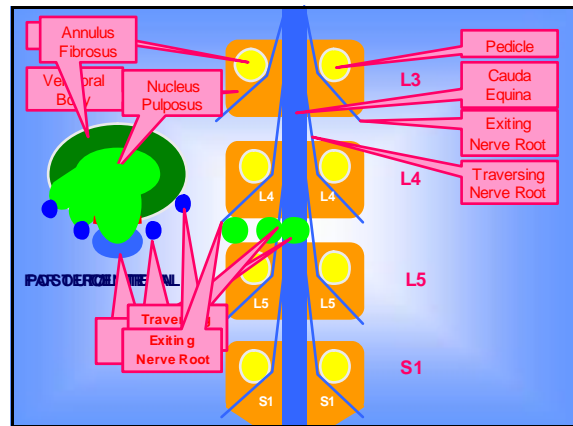
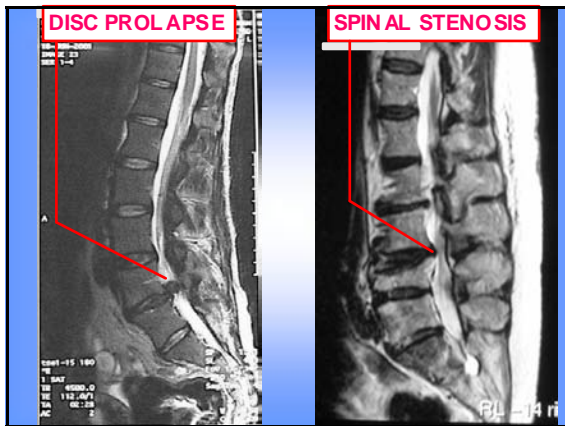
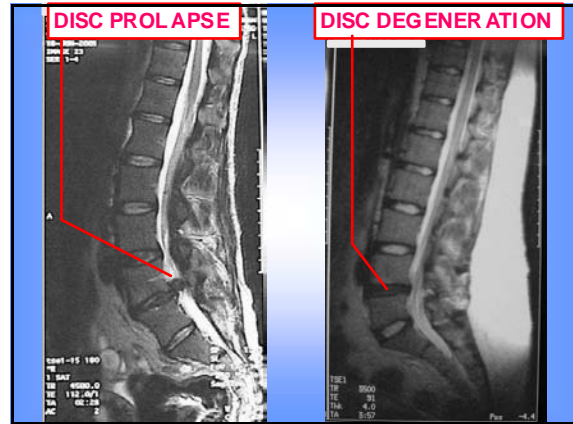
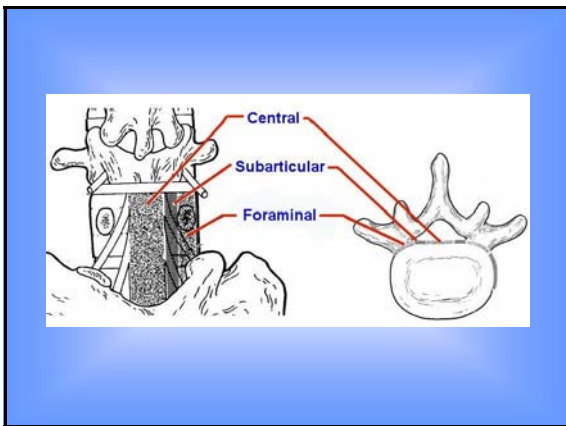
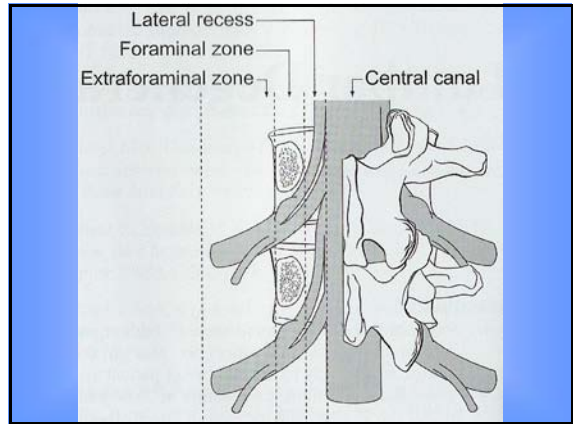
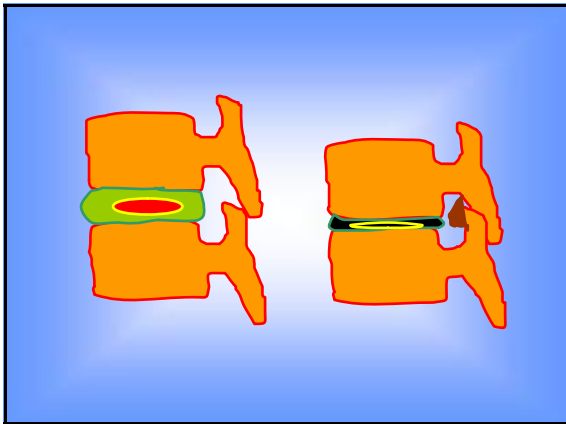


# SPINAL STENOSIS

Mr. George Ampat  
 Consultant, Orthopaedics and Spinal Surgery,  
 Southport and Ormskirk District General Hospital





### Treatment

- ~ Non operative
- ~ Surgical
  - ~ Decompression
  - ~ Decompression and Stabilisation

Clinical Orthopaedics and Related Research  
 Atlas SJ, Delitto A (2006)  
 Spinal stenosis. Surgical versus nonsurgical treatment.  
 Clin Orthop 443: 198-207

4 year period  
 70% no change or worsening of symptoms  
 15% worsening  
 15% improvement

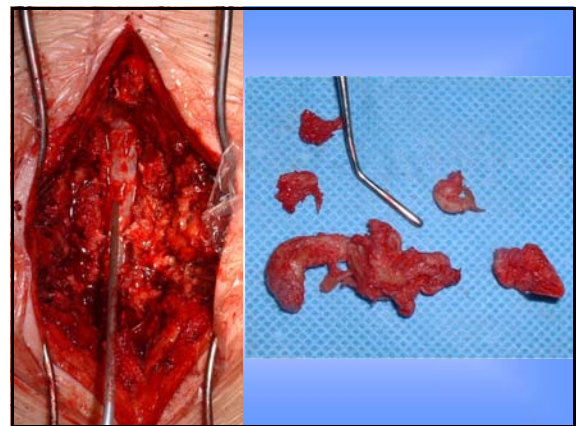
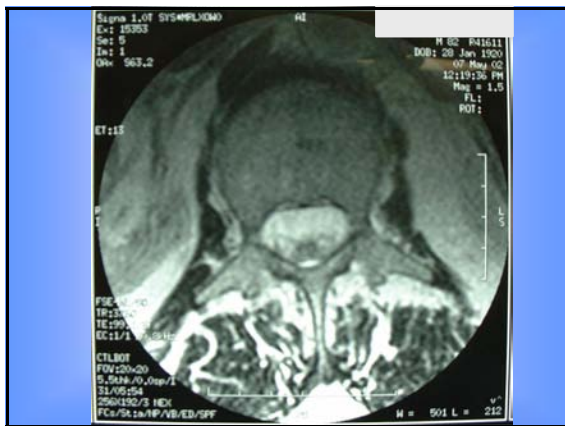


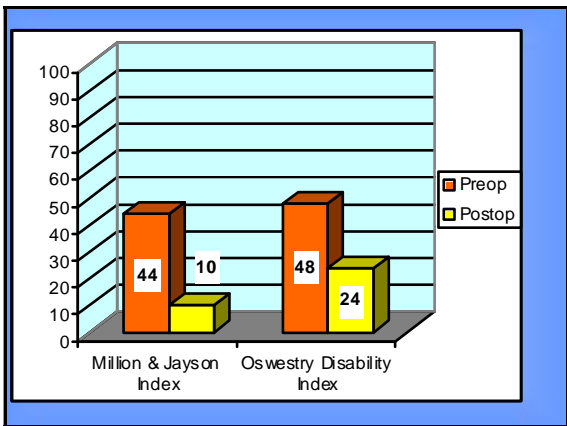


Roger Black AG - 12207  
Recumbent Bike.  
Catalogue No. 335/4492  
£149.99

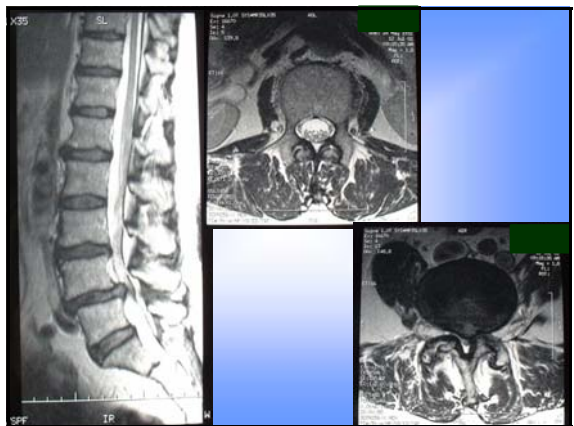
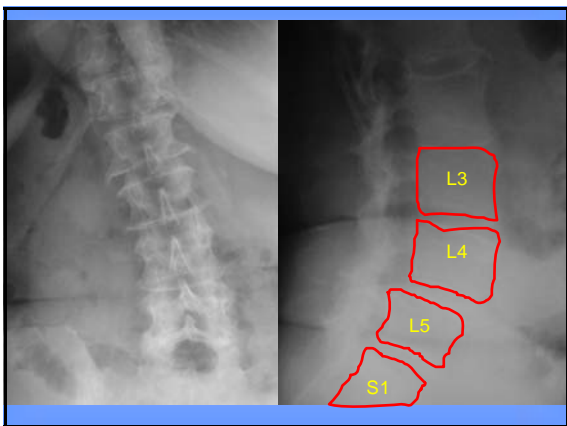


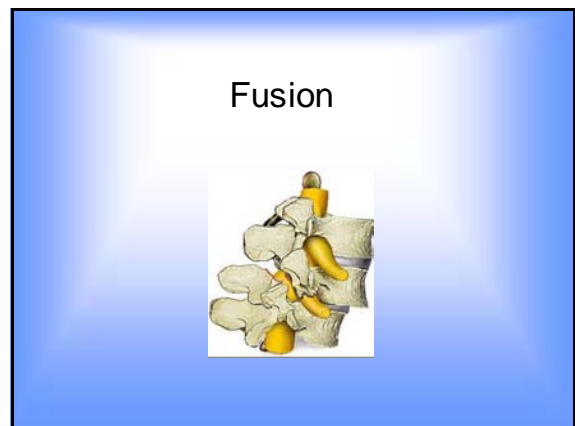
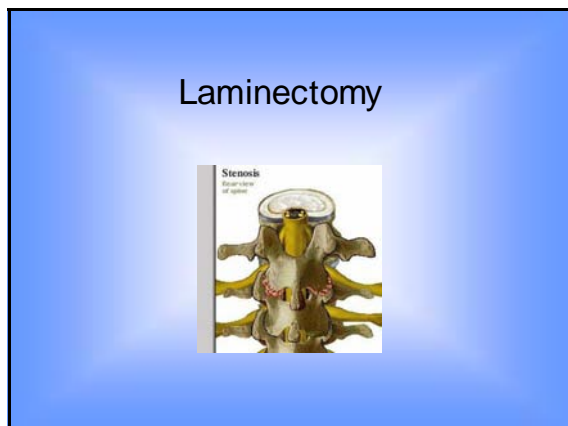
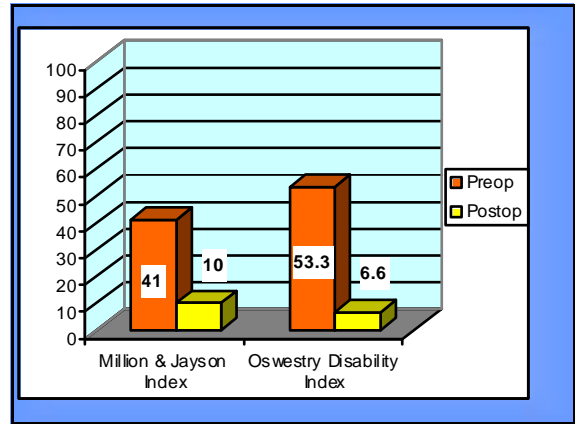
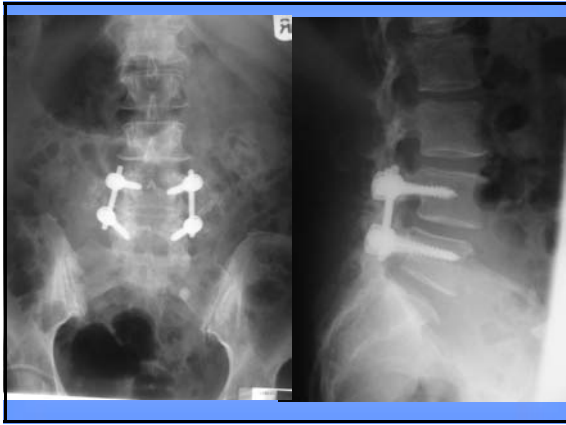
Male 73





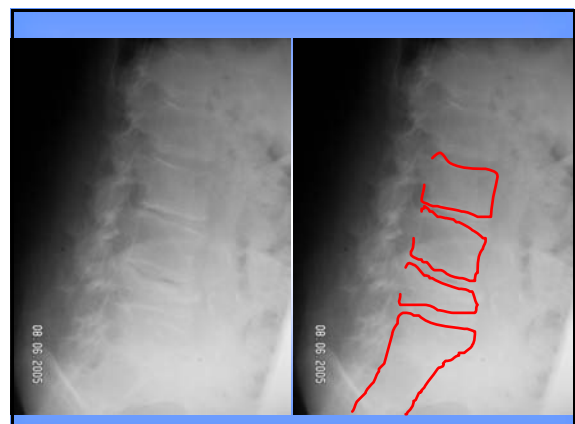
Female 70

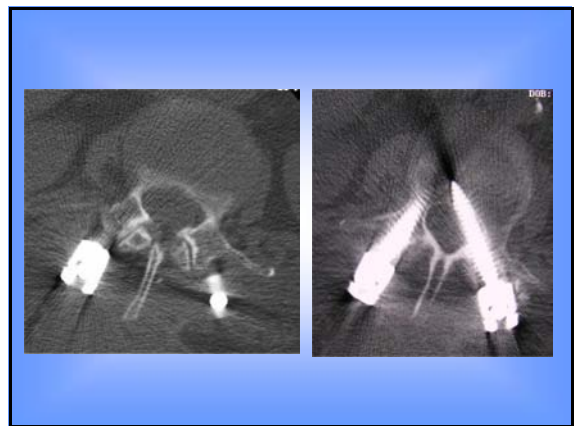
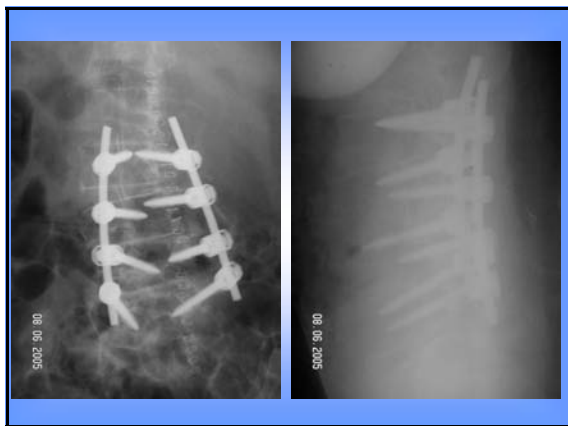
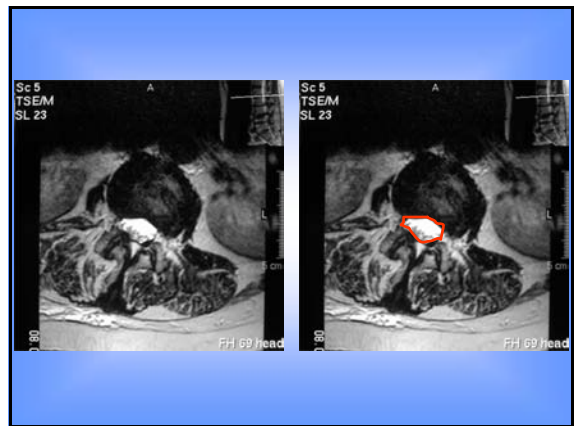
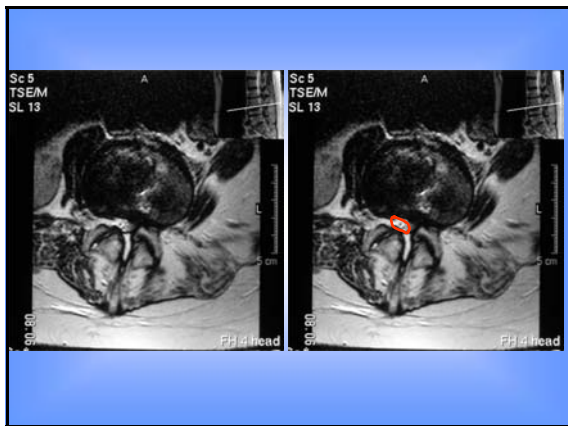
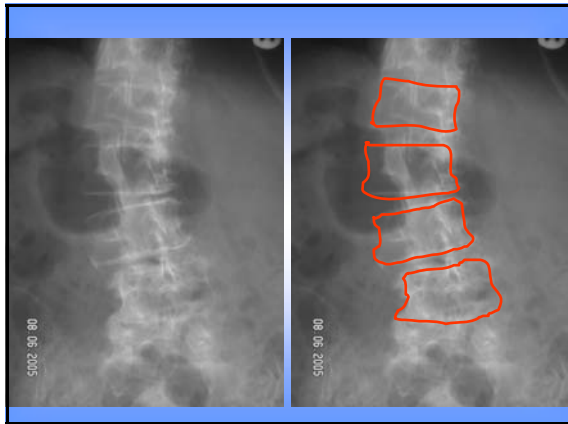


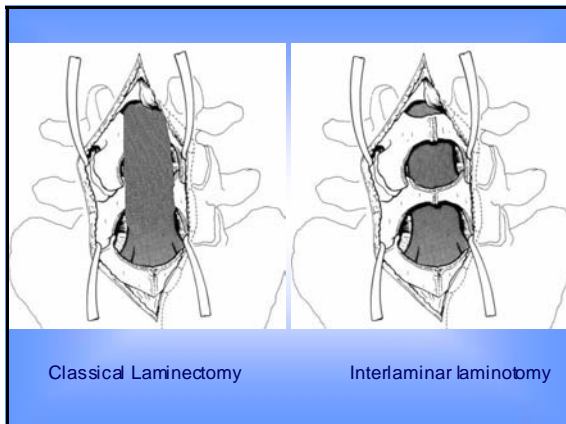


**Instr Course Lect. 2005;54:313-9.**  
**Lumbar spinal stenosis: indications for arthrodesis and spinal instrumentation.**  
**Knaub MA, W on DS, McGuire R, Herkowitz HN**

In patients with preoperative degenerative spondylolisthesis, spondylosis, or kyphosis, and those in whom stenosis develops at a previously decompressed segment, serious consideration should be given for inclusion of an arthrodesis.



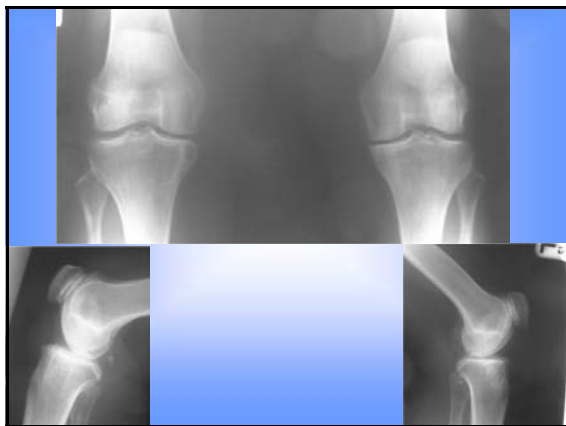




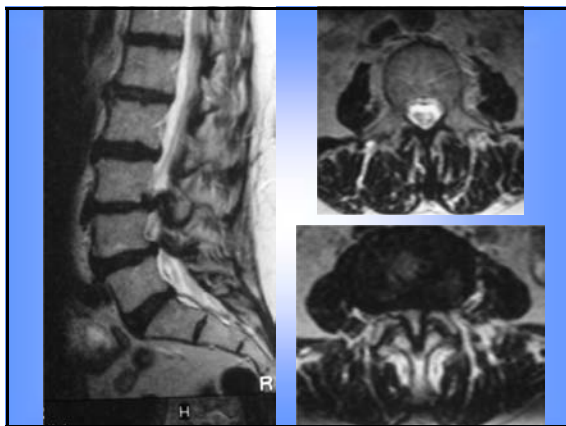
**European Spine Journal**

**Instr Course Lect. 2005;54:313-9.**  
**Lumbar spinal stenosis: indications for arthrodesis and spinal instrumentation.**  
**Knaub MA, W on DS, McGuire R, Herkowitz HN**

Laminectomy is highly effective in reducing clinical symptoms but in contrast to interlaminar decompression there is a significant risk to develop instability after laminectomy, even if the procedure is performed sparing the facet joints and intervertebral discs.



- " 13/08/01 . Referral from GP for knee pain.
- " 11/02/02 . Orthopaedic Clinic + Inj both knees
- " 13/05/02 . Repeat injections both knees
- " 12/08/02 . Listed for right knee arthroscopy.
- " 12/06/03 . Arthroscopy Right Knee.
- " 25/06/03 . Injection Left Knee
- " 06/08/03 . Listed for Left Knee Arthroscopy
- " 12/03/04 . Arthroscopy Left Knee
- " 21/07/04 . Listed for Left TKR
- " 02/02/05 . Delisted and sent for MRI scan



Thank You