



THE 2022 PSPS ANNUAL CONFERENCE

Pain, Spine, Psychology, Synergy

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LAS VEGAS

SEPTEMBER 15-18

PACIFIC SPINE X PAIN SOCIETY

Terminology in Spine Surgery and Pain Medicine



Yu-Po Lee

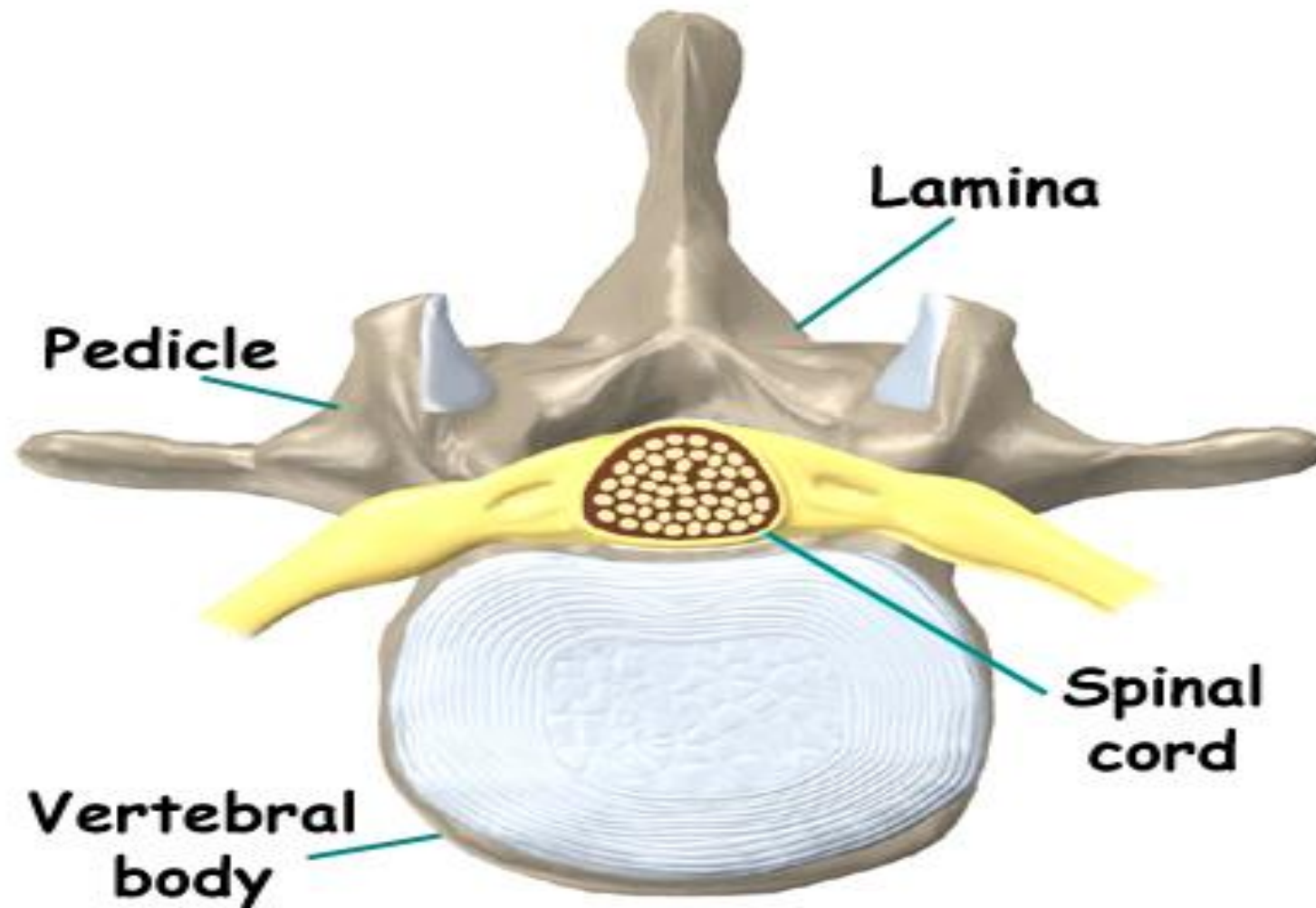


Anatomy

- 32-34 vertebrae in the human body
- 7 cervical vertebrae
- 12 thoracic vertebrae
- 5 lumbar vertebrae
- 5 sacral vertebrae
- 3-4 coccygeal vertebrae



Anatomy

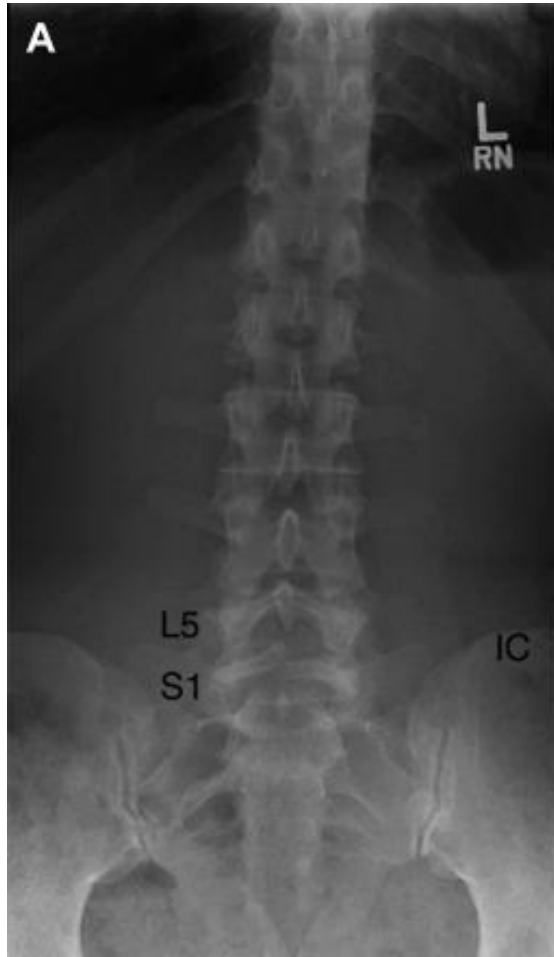


Anatomy

- Transitional lumbosacral vertebra
- Sacralization (fifth lumbar vertebra shows assimilation to the sacrum) and lumbarization (first sacral vertebra shows lumbar configuration)



Anatomy



Normal



LSTV

Anatomy



- Bertolotti's Syndrome is a back-pain syndrome caused by a congenital defect of the last vertebra of the lumbar spine leading to the articulation, pseudo articulation, or full fusion of the transverse process to the sacrum the ilium.

Anatomy



Anatomy

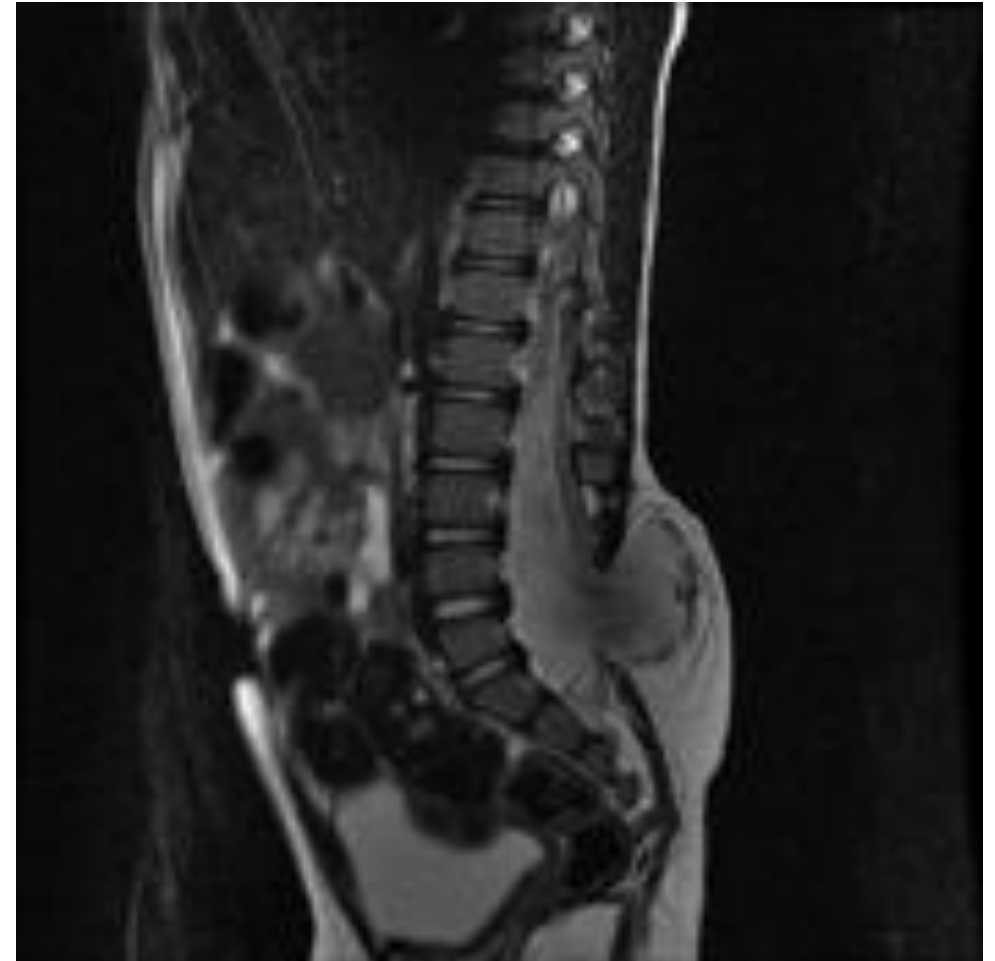


- Spina bifida
- Birth defect in which an area of the spinal column doesn't form properly
- 1/2000
- Most common CNS defect



Anatomy

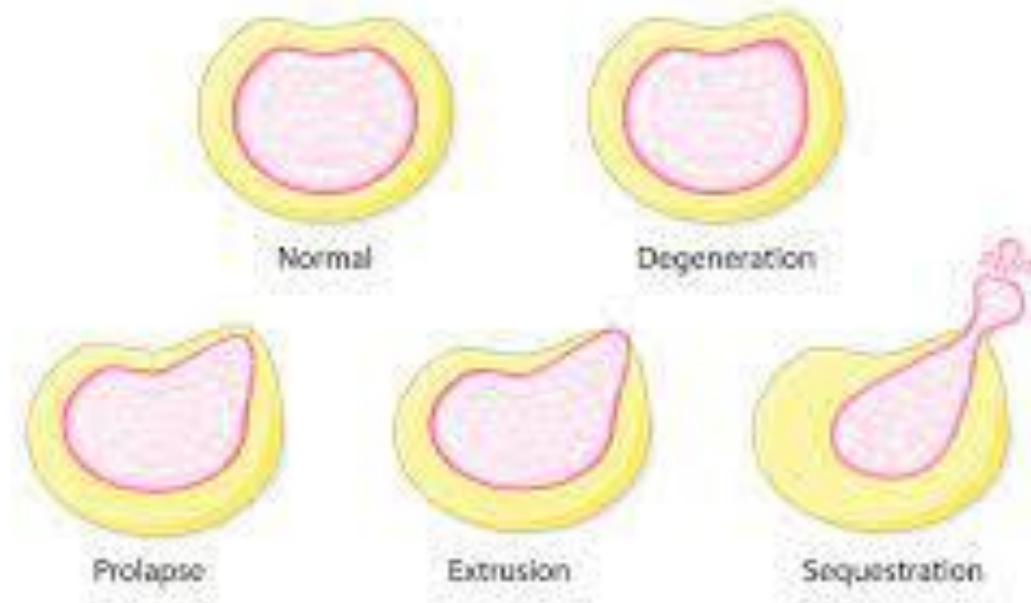
- Myelomeningocele
- Defect of spine and spinal cord



Disc herniations

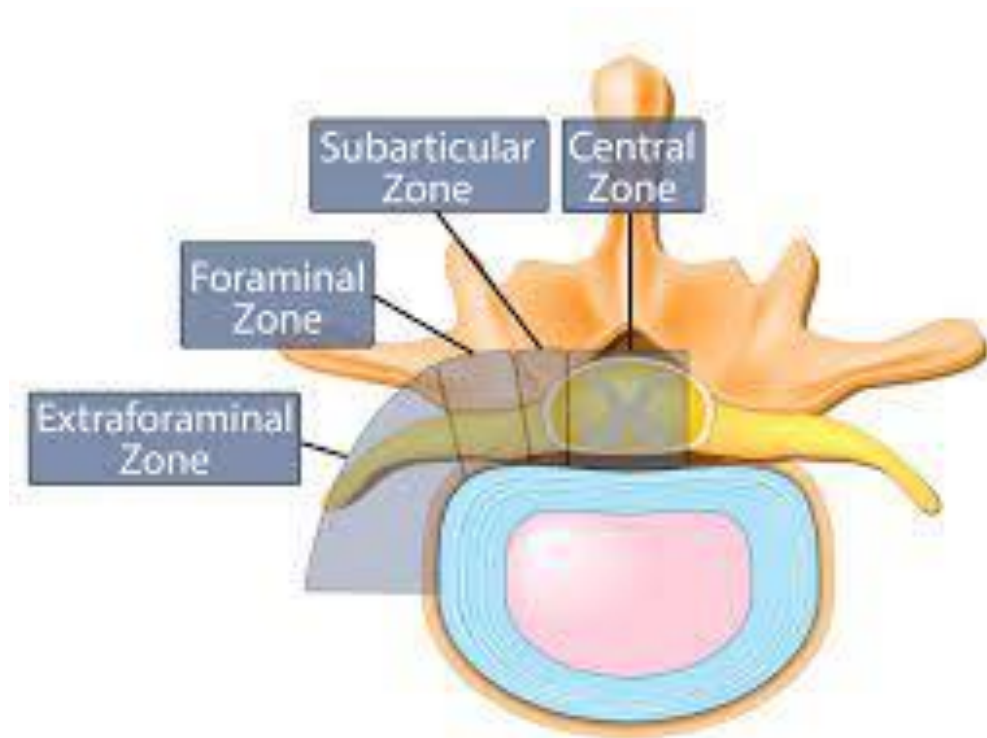
- When the nucleus pulposus is no longer contained by the annulus fibrosis

STAGES TO A DISC HERNIATION



Disc herniations

- When the nucleus pulposus is no longer contained by the annulus fibrosis



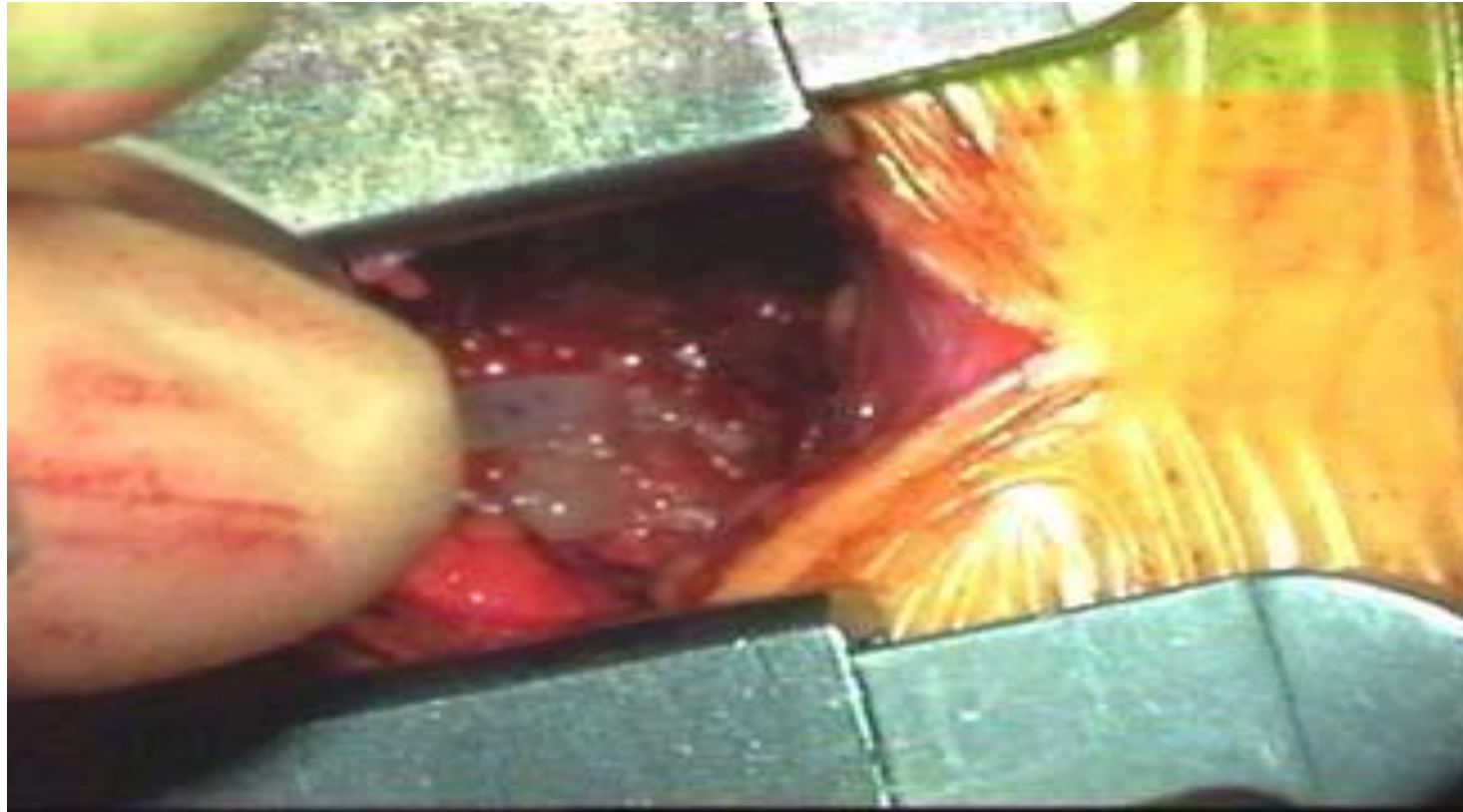
Disc herniations

- Cauda equina syndrome
 - Saddle anesthesia
 - Loss of bowel or bladder control
 - Lower extremity weakness
 - Pain radiating to legs



Disc herniations

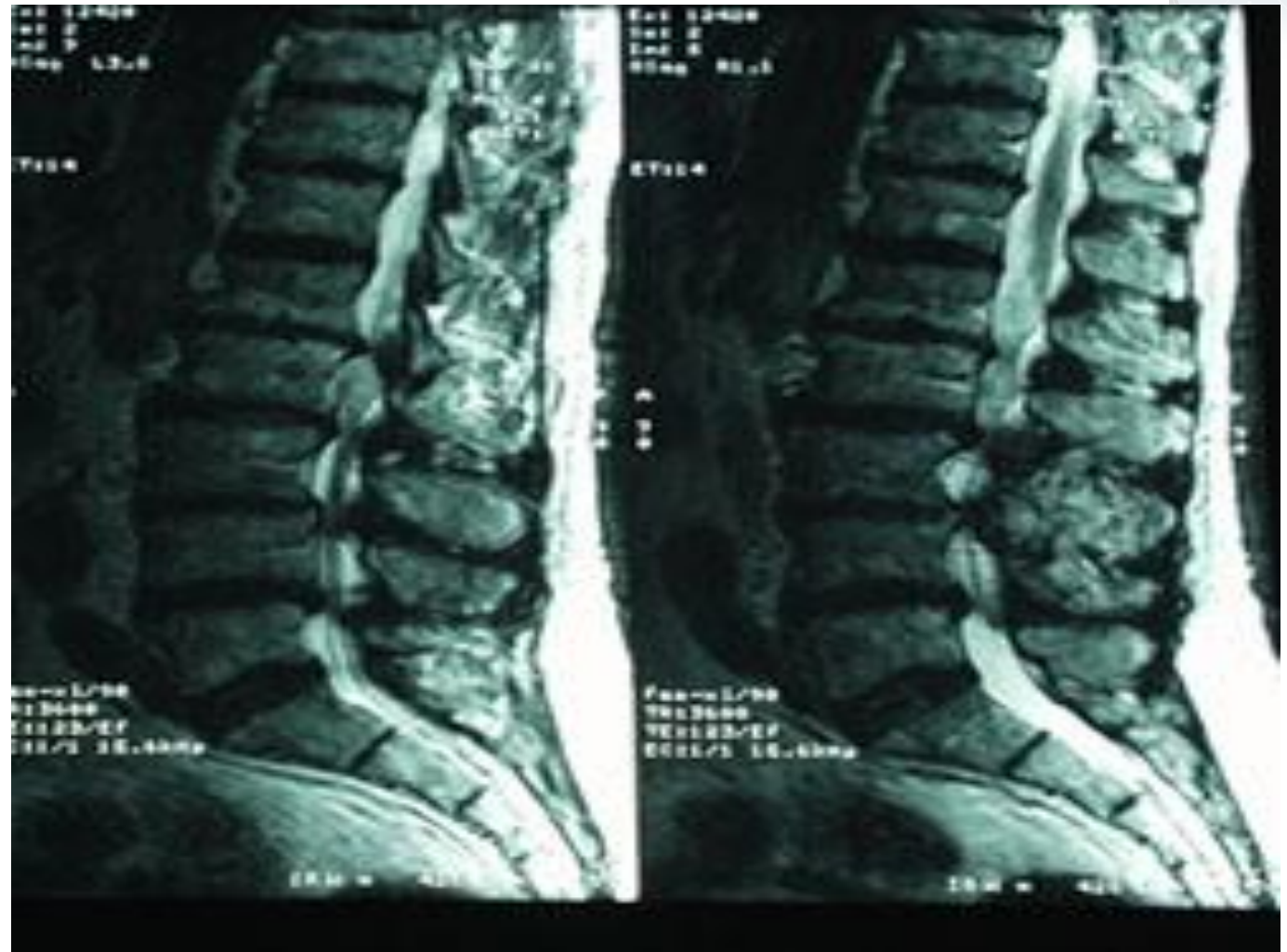
- Microdiscectomy



Disc herniations



Lumbar stenosis



Lumbar stenosis

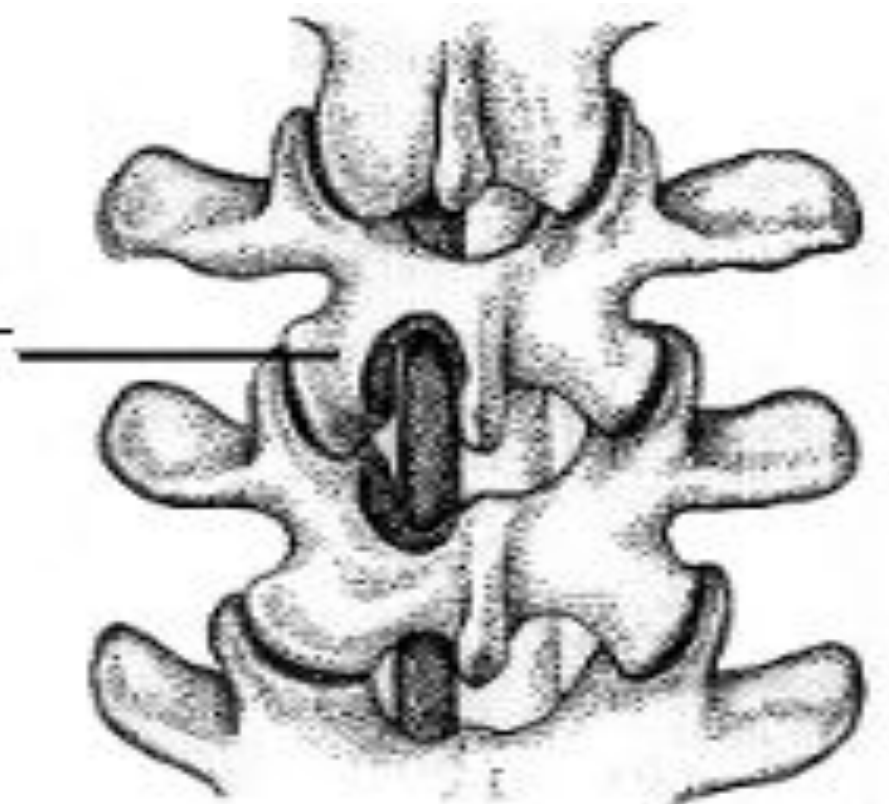
- Severe when less than 10 mm



Lumbar stenosis

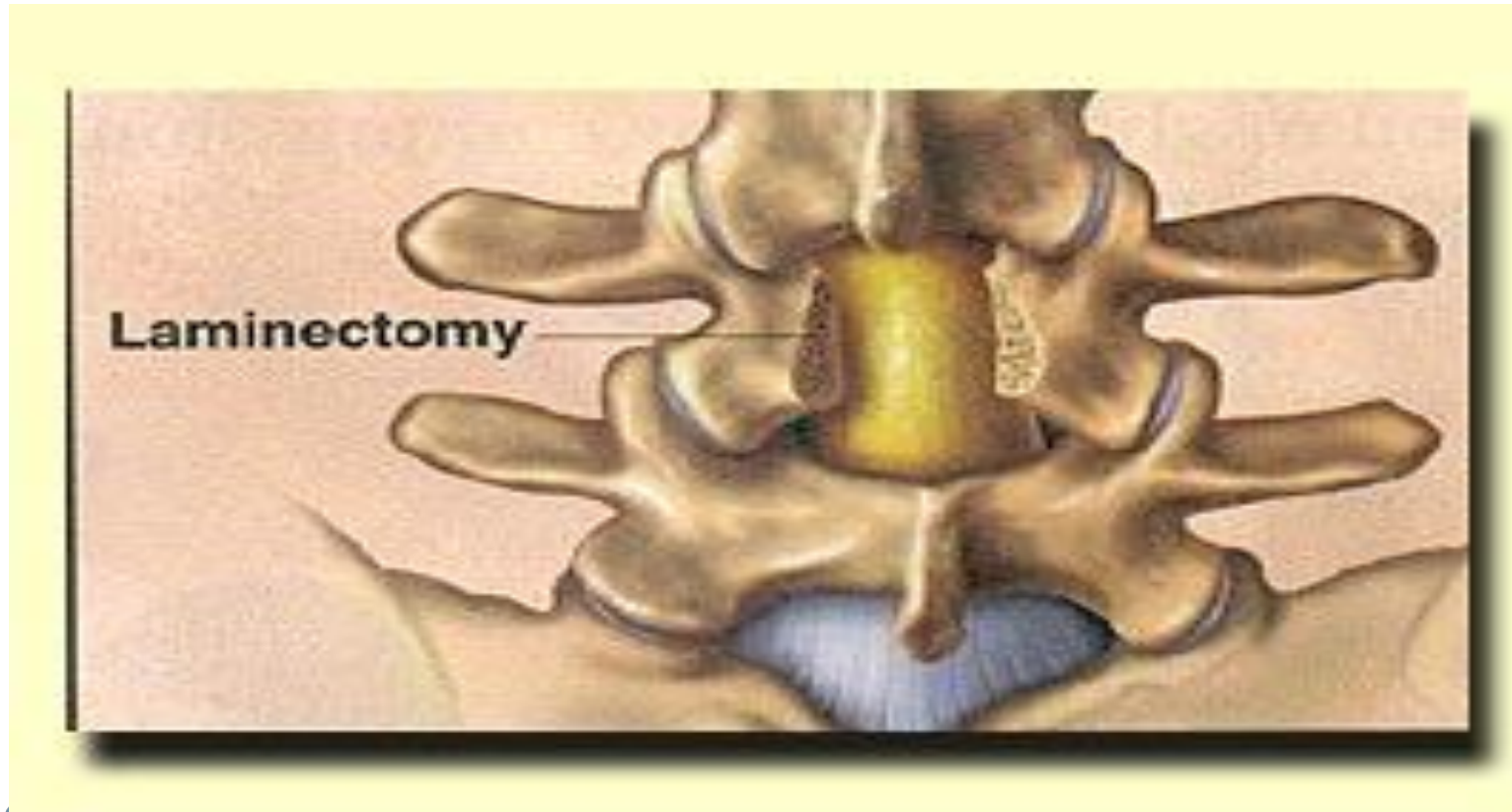
- Laminotomy

**PARTIAL
REMOVAL
OF THE
LAMINA**



Lumbar stenosis

- Laminectomy



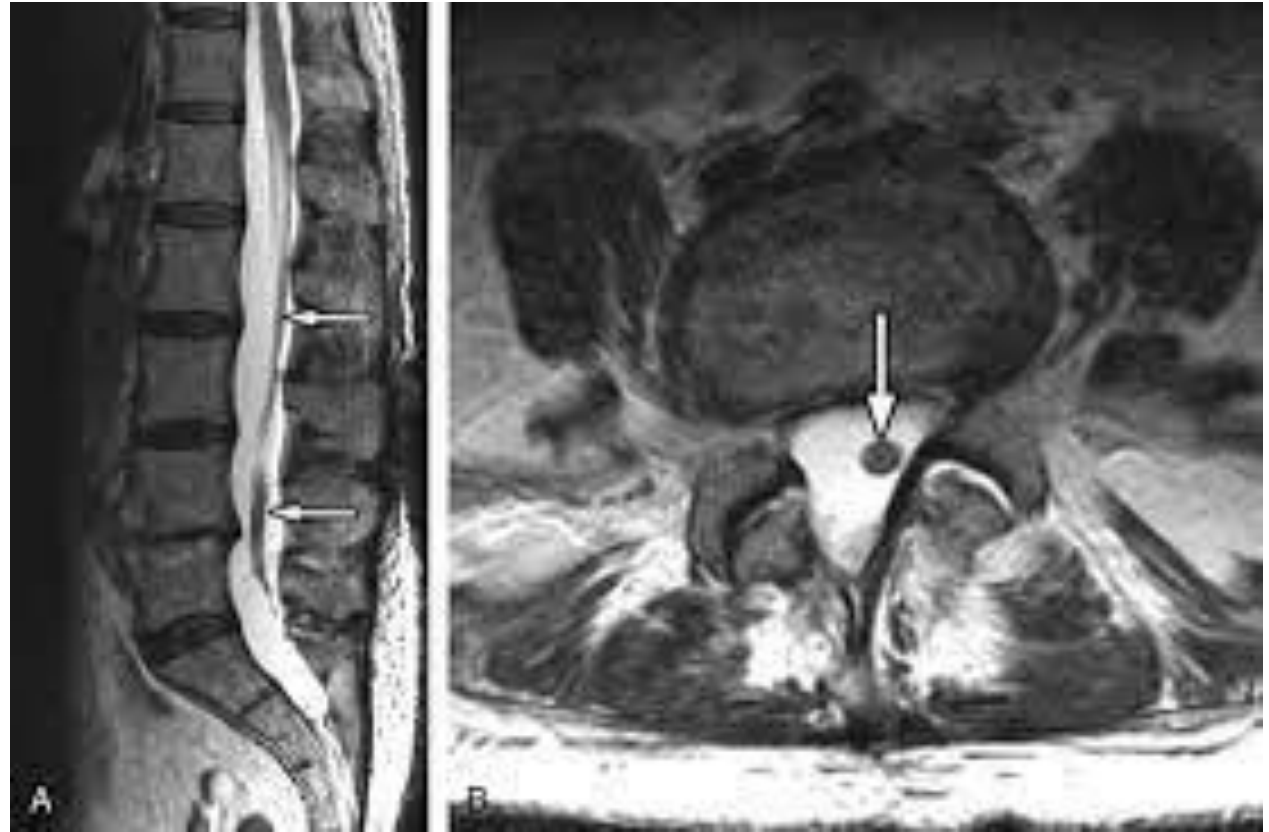
Lumbar stenosis

- Durotomy



Lumbar stenosis

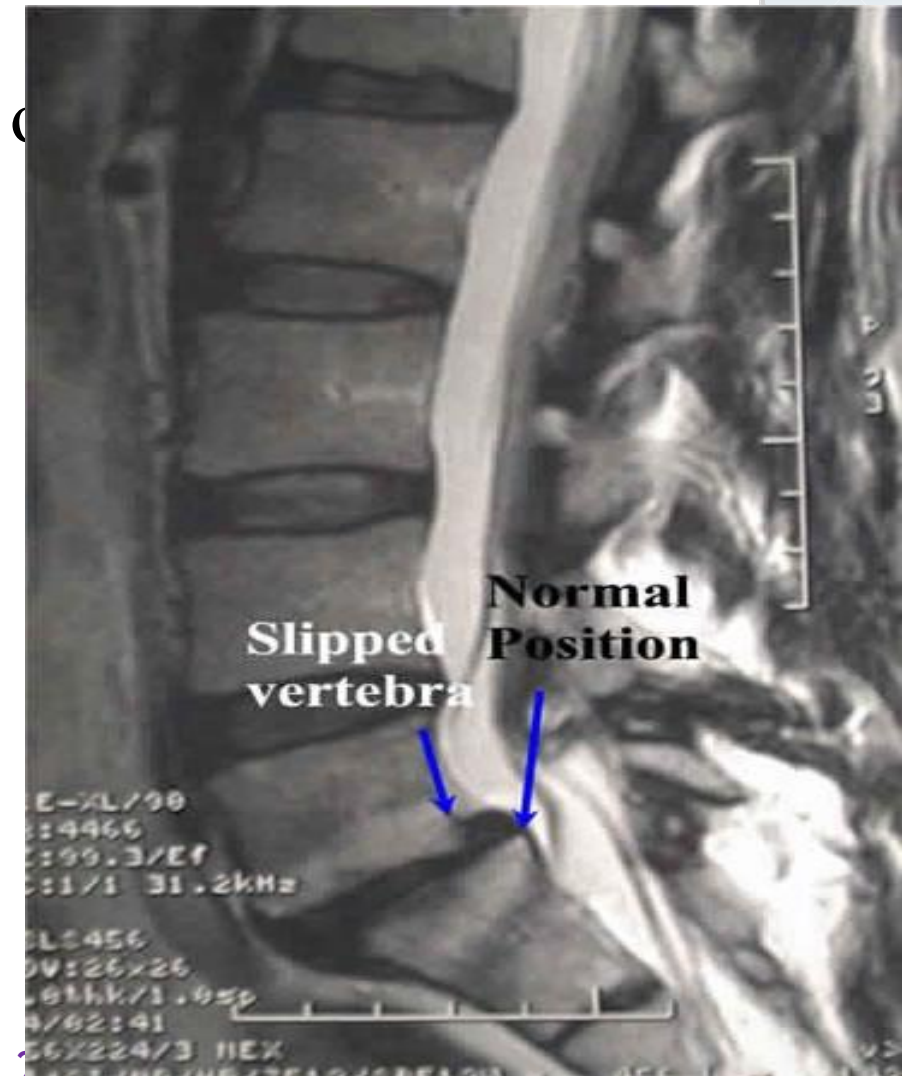
- Arachnoiditis



Spondylolisthesis

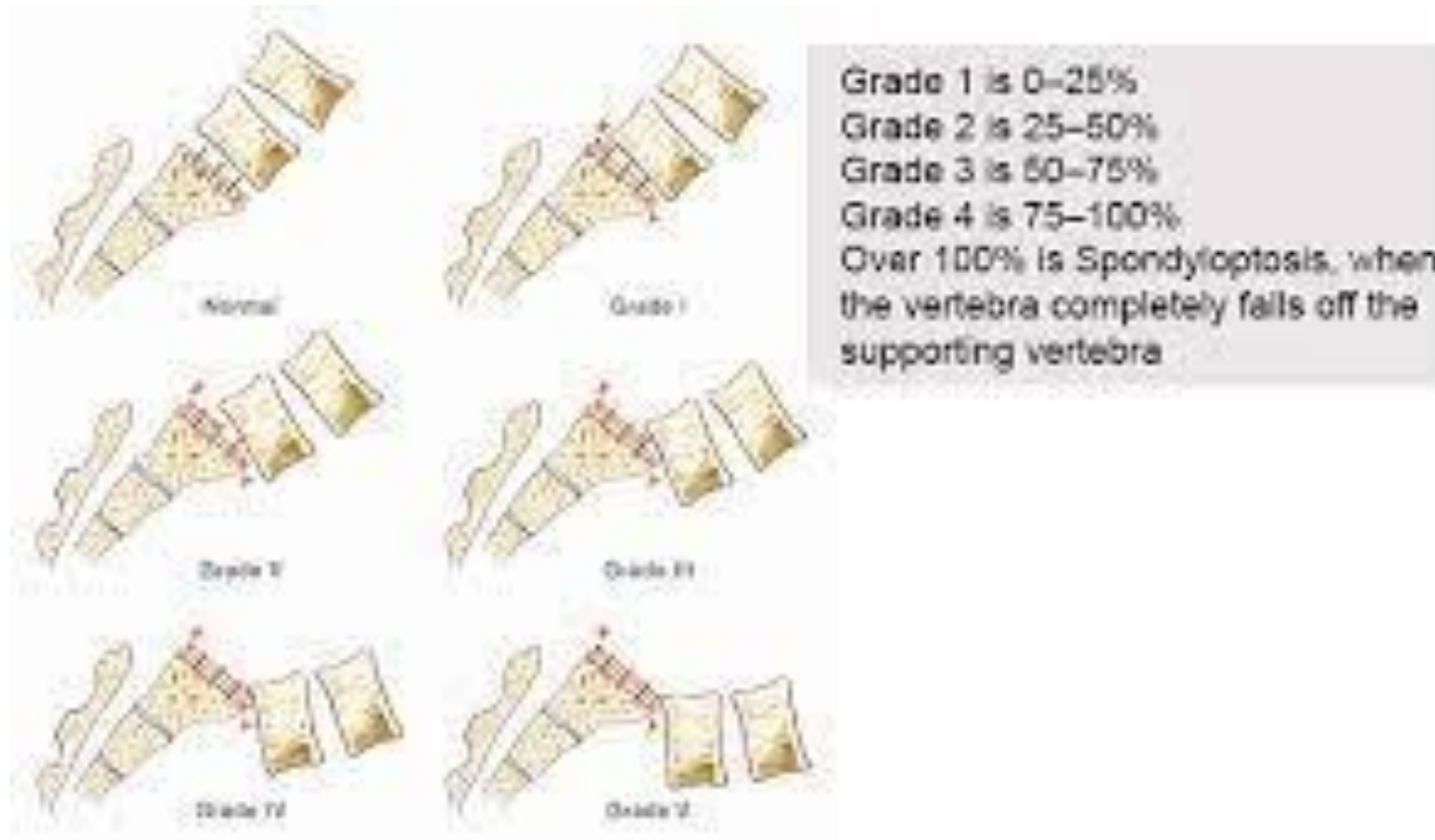
- Forward slippage of one vertebra over another
- Spondylo = spine
- Listhesis = slip or slide

of one



Spondylolisthesis

- Grade 0 is spondylolysis



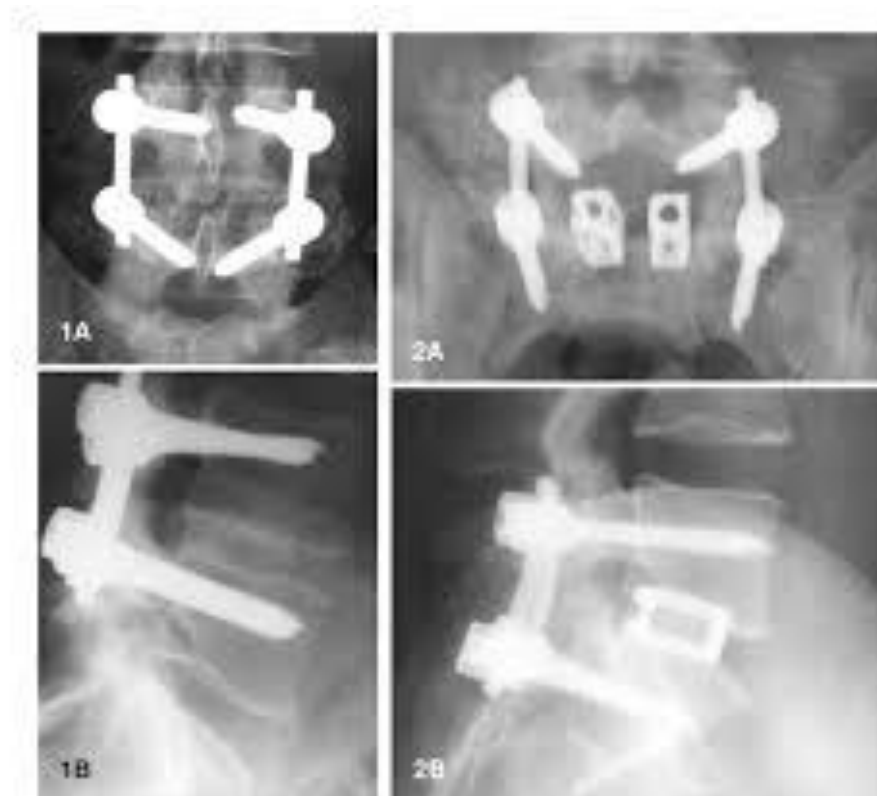
Spondylolisthesis

- Posterolateral fusion



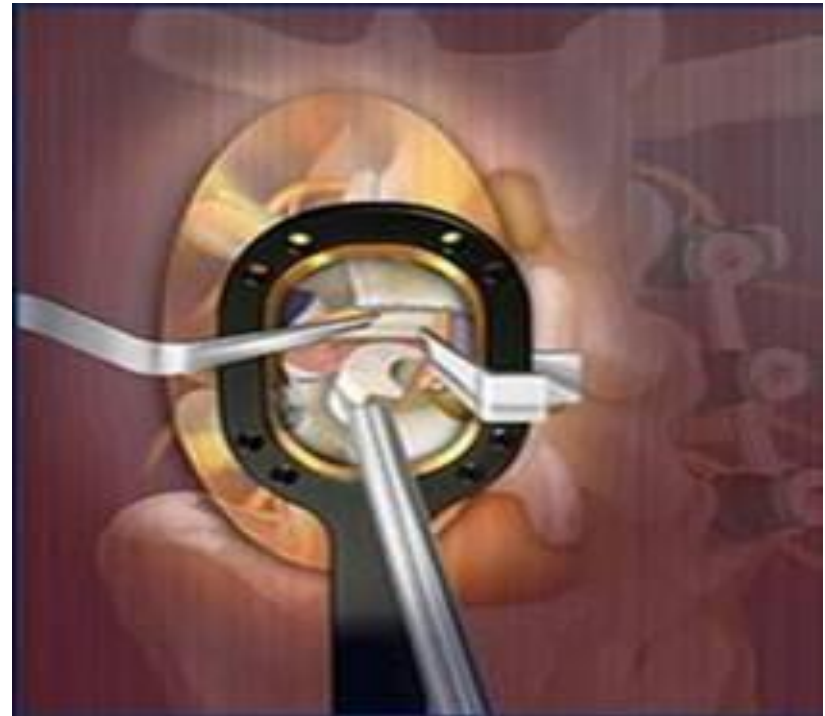
Spondylolisthesis

- Posterior lumbar interbody fusion



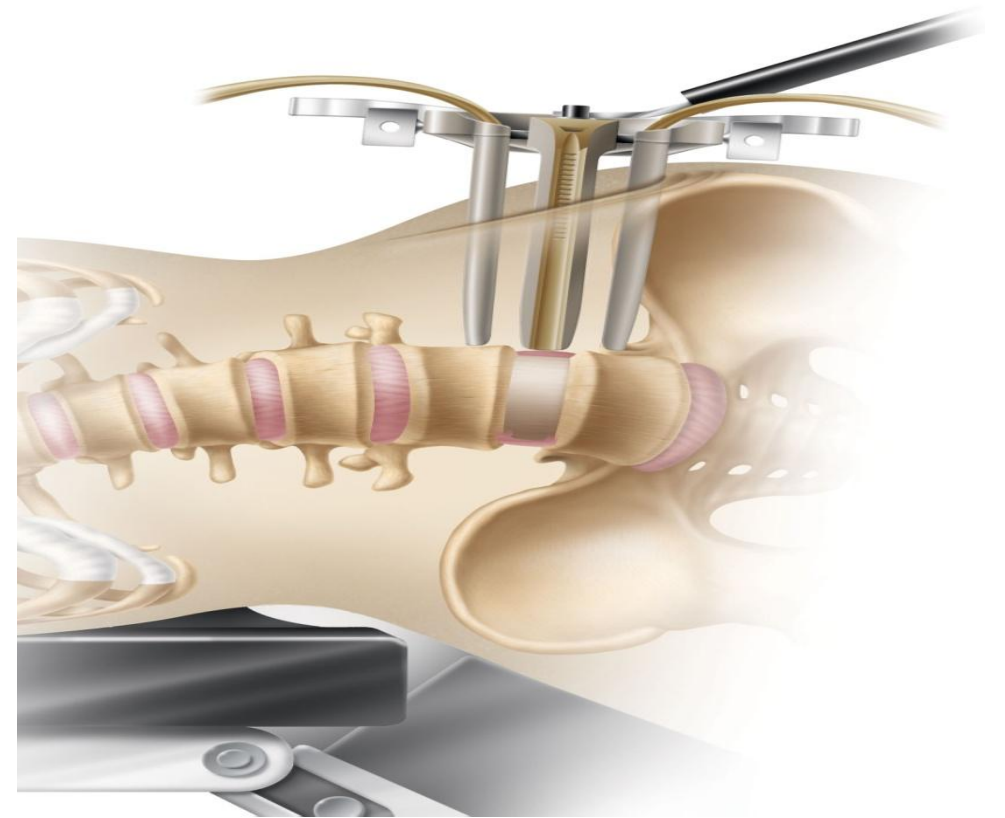
Spondylolisthesis

- Transforaminal lumbar interbody fusion



Lateral Interbody Fusion

- Lateral interbody fusion
- XLIF-Extreme
- DLIF-Direct
- OLIF-Oblique



Background

- Risks
 - injuries to the psoas muscle
 - exiting ventral nerve root
 - genitofemoral nerve



- Scoliosis



- Kyphosis
- Flatback deformity
- Pseudoarthrosis



Anterior Cervical Discectomy and Fusion -ACDF



Cervical Corpectomy



Laminoplasty





Thank You