

EOS (Early-Onset Scoliosis)

- Congenital Scoliosis treated with growing rods and VEPTR
- Treatment of lumbar congenital scoliosis with bilateral vertical expandable prosthetic titanium rib (VEPTR) in a child with central core disease
- Early Onset Scoliosis: Treatment with Dual Growing Rods A Case Presentation
- Severe Scoliosis in Three Young Children Treated with Shilla
- Patient with progressive congenital kyphoscoliosis treated with the Shilla5 guided-growth technique and vertebral corpectomy

Pediatric Spinal Deformity

- Congenital Scoliosis Due to Unilateral Unsegmented Bar and Fused Ribs in Two One-Year Old Boys: Two Approaches with Two Different Results At a Mean 35 Year Follow-Up
- Severe Kyphoscoliosis of the High Thoracic Spine with Neurofibromatosis treated with Traction and Posterior surgery
- A Severe Kyphoscoliosis Deformity treated by Preoperative Halo Gravity Traction, Anterior Release followed by Multilevel Ponte Osteotomies and Posterior Instrumentation
- Growing Rods in Neuromuscular Spinal Deformity: Successes and Challenges
- Staged Anterior Release and Posterior Instrumentation for Severe Rigid Adolescent Idiopathic Scoliosis
- Thoracic Adolescent Idiopathic Scoliosis 3-dimensional Operative Correction
- Case Presentation Diastematomyelia in Severe Spinal Deformity: Treatment with Vertebral Column Resection
- Vertebral Column Resection for Severe Scoliosis with Spina Bifida
- Posterior Two Level Vertebral Column Resection for Severe Spinal Deformity
- Late Treatment of Severe Progressive Early Onset Kyphoscoliosis with Halo Gravity Traction and Posterior Vertebral Column Resection
- Total Spine Lordosis in Neuromuscular Disease: Rigid Spine Syndrome
- Severe Deformity from Charcot Spine in a Patient with Spinal Cord Injury
- Thoracolumbar Deformities in Hurler's Syndrome
- High Grade Spondylolisthesis treated with Transfixation
- A Case of High Dysplastic Spondylolisthesis

Adult Spinal Deformity

- Adult Scoliosis treated with Anterior and Posterior Spinal Fusion – 2 Unlike Cases
- Severe Scoliosis in an Adult Treated with Posterior Fusion and TLIF
- Sagittal Plane Deformity Correction in an Adult Patient
- Postoperative Fixed Lumbosacral Deformity with Sagittal Imbalance
- Sagittal Imbalance Due to Focal Kyphotic Deformity in an Adult: Less Invasive Surgical Treatment with Anterior Column Reconstruction (ACR) A Case Presentation
- Less Invasive Anterior Longitudinal Ligament Release: Anterior Column Realignment (ACR) for the Treatment of Adjacent Segment Disease with Latrogenic Fatback
- Posttraumatic Lumbar Kyphotic Deformity
- Complex Spine Deformity Reconstruction using Posterior Vertebral Column Resection and Extensive Multilevel Vertebroplasty
- Minimally Invasive treatment of Adult Scoliosis

Trauma and Tumors

- Fracture-Dislocation with Incomplete Neurologic Injury
- Post traumatic Kyphosis treated with Smith Peterson Osteotomies
- Traumatic Spinal Injury Treated with Minimally Invasive Stabilization

- Complex Reconstruction of the Metastatic Spine Disease
- Posterior Only Resection and Instrumentation for a Tumor

Cervical Spine

- Ankylosing Spondylitis in the Cervical Spine Treatment with C7 Pedicle Subtraction Osteotomy
- Treatment of Malunion Odontoid Type III with Transoral Odontoid Osteotomy and Posterior Atlantoaxial Fixation
- Cervical Postlaminectomy Kyphosis, Suprajacent Atlantoaxial Stenosis with Recurrent Myelopathy: Treatment with Combined Posterior and Anterior Osteotomy via Posterior-Anterior-Posterior Approach
- Fixed Atlantoaxial Dislocation with Cord Compression