Supplemental Figure 1. MRI Images of Lumbar Spine. Lumbar disc and facet degenerative change superimposed upon extreme rightward lumbar scoliosis and developmental canal narrowing. Severe spinal canal stenosis at L4-L5.
Supplemental Figure 2. Radiography Images. Moderate lower thoracic levoscoliosis (apex at T10) with moderate lumbar dextroscoliosis (with apex at L3) Thoracolumbar junction hyperkyphosis with neutral sagittal balance. Multilevel degenerative disc disease throughout the thoracic and lumbar spine.
Supplemental Figure 3. MRI Images. A, 40-degree Cobb angle levoconvex scoliosis of the thoracic spine at apex at T9. No definite evidence of significant central spine canal or foraminal narrowing. Small right paramidline disc herniation at T5-T6. Left-sided T6-T7 and T7-T8 facet degenerative change. B, Lumbar: Interval bilateral pedicle screw fixation L1-L4 with left sided L3-L4 laminectomy and facetectomy. There is 12mm ovoid region of intermediate signal intensity within the right ventral spinal canal causing severe narrowing of the thecal sac and its contents. This could represent blood products. C, Thoracic: Minimal central T2 signal intensity in the thoracic cord at T10-11 which could reflect a small amount of cord ischemia. T5-T12 bilateral pedicle screw. No evidence of significant central spinal canal narrowing. No evidence of intraspinal hematoma.
Supplemental Figure 4. Radiography Images (A-G): Different Radiographic Planes. Thoracic and lumbar spine: interval posterior spinal fixation from T4-L4, laminar hooks at T4, bilateral peduncle hooks extended from T5-L4. Posterior lateral bone graft throughout lumbar spine. Multilevel disc space narrowing Intervertebral cage at L2-L3.
Supplemental Figure 5. Presurgical MRI. Spinal canal image before the index surgery-T10/11 is between the last second and third vertebral body shown in the image.
Supplemental Figure 6. Presurgical MRI. Spinal canal image before the index surgery-T10/11 is between the last second and third vertebral body shown in the image.
Supplemental Figure 7. Postsurgical Radiography. Image at 4 months.
Supplemental Figure 8. Postsurgical Radiography. Image at 6 months.