Case Discussion

History

• 12 year old boy
• History of traumatic birth
• Torticollis since birth
• Right erbs palsy
• Right grip weakness

• No other neurological deficit
Radiological Report

- Cobb’s angle measures 31
- Plumb line on sagittal image 0.8cm
- Central sacral vertebral line 0.6cm
- T1 pelvic angle 16 degrees
- T1 slope 19 degrees
- Pelvic incidence 64 degrees
- Pelvic tilt measures 28 degrees
- Sacral slope 40 degrees
MRI c-spine

- There is scoliosis of cervical spine with convexity to left side and dorsal spine with convexity to right side.
- There is possible hemivertebra at the level of C3 and butterfly vertebrae at the level of C4 and C6 level.
Ct scan

• S shaped scoliosis in the cervical and thoracic spine
• Severe concavity directed to the right side within the cervical region and concavity directed towards the left side within the thoracic region.
• There is segmentation anomaly within the body of C2, C3, C4 resulting in severe scoliosis