Thoracolumbar surgery for degenerative spine diseases complicated with tethered cord syndrome: A case report and literature review

BACKGROUND
Tethered cord syndrome (TCS) secondary to split cord malformation (SCM) is rare in adulthood. There is as yet no consensus about the optimal treatment method for adult patients with SCMs and degenerative spine diseases such as lumbar stenosis, spondylolisthesis, and ossification of the ligamentum flavum (OLF). The tethered cord poses a great challenge to the compression and fusion procedures for the intraoperative stretching of the spinal cord, which might lead to deteriorated neural deficits. Here, we report a case to add our treatment experience to the medical literature.

CASE SUMMARY
We treated a 67-year-old female patient with type II SCM suffering from lumbar disc herniation, degenerative lumbar spondylolisthesis, and OLF. The patient underwent thoracolumbar spinal fusion...