

Cervical degenerative spondylolisthesis

- [Magnetic Resonance Imaging-Generated Synthetic Computed Tomography in Pediatric Spine Patients](#)
- [Robot-assisted versus navigated spinal fusion surgery: a comparative multicenter study on transpedicular screw placement accuracy and patient outcomes](#)
- [Effect of Surgical Approach on Patient-reported Outcomes of Lumbar Fusion for Degenerative Spondylolisthesis: Should Grade Influence Approach?](#)
- [The incidence and trends of diving-related spine injuries in the United States and risk factors associated with spinal cord injury](#)
- [Short-Term Effects of Kinesio Taping on Pain and Functionality in Patients With Cervical Spine Surgery](#)
- [Prevalence of lumbar spondylolisthesis in adults and elderly patients with low back pain in the Jordanian community: radiographic findings](#)
- [Traumatic Cervical Spondyloptosis: A Comprehensive Analysis of 16 Cases at a Level 1 Trauma Center in a Developing Nation](#)
- [Fatal spontaneous spinal subdural hematoma in a patient on anticoagulant therapy](#)

Cervical degenerative [spondylolisthesis](#) is relatively common in the elderly.

The CDS group was characterized by a greater [T1 slope](#) than the control group; therefore, Jun et al. suggest that a high T1 slope may be a predisposing factor in developing CDS ¹⁾.

Natural History

However, there are no reports regarding its natural history.

Park et al. identified 27 patients with cervical degenerative spondylolisthesis (3.9%) from a database of 697 patients, using cervical radiographs. All had neutral and dynamic lateral radiographs at baseline and at a minimum of 24 months later (mean 39 mo, range, 24-92 mo). The mean age of the patients at the initial visit was 59.0 years (range, 50-83 yr). Male to female ratio was 16:11. Radiographical findings and clinical symptoms related to [spondylolisthesis](#) were assessed at initial and final follow-up.

Eleven patients had cervical spondylolisthesis at C4-C5, 9 at C3-C4, 6 at C5-C6, and 1 at C2-C3. Initially, 6 had anterolisthesis and 21 had retrolisthesis. At baseline, 3 of 6 patients with anterolisthesis and 7 of 21 patients with retrolisthesis had translation of more than 2 mm on dynamic views. At baseline, 11 had no cervical symptoms, 8 had cervicalgia, 7 had radiculopathy, and 1 had myelopathy. At the final visit, none of the anterolistheses or retrolistheses had progressed. At the final visit, 7 of 10 patients with initial translation of more than 2 mm on dynamic views had no change. Of 17 patients with less than 2 mm of initial dynamic motion, 3 patients progressed to have more than 2 mm of dynamic translation. All 3 of these had retrolisthesis initially. None had clinical worsening of symptoms at the final visit.

The [natural history](#) of cervical degenerative anterolisthesis and [retrolisthesis](#) seems to be stable during 2 years to nearly 8 years. Although those with retrolisthesis seem to have a higher propensity

to increase their subluxation, none experienced dislocation or neurological injury ²⁾.

Diagnosis



Cervical degenerative spondylolisthesis in C4-C5

¹⁾

Jun HS, Kim JH, Ahn JH, Chang IB, Song JH, Kim TH, Park MS, Kim YC, Kim SW, Oh JK. T1 slope and degenerative cervical spondylolisthesis. *Spine (Phila Pa 1976)*. 2015 Feb 15;40(4):E220-6. doi: 10.1097/BRS.0000000000000722. PubMed PMID: 25423304.

²⁾

Park MS, Moon SH, Lee HM, Kim SW, Kim TH, Suh BK, Riew KD. The natural history of degenerative spondylolisthesis of the cervical spine with 2- to 7-year follow-up. *Spine (Phila Pa 1976)*. 2013 Feb 15;38(4):E205-10. doi: 10.1097/BRS.0b013e31827de4fd. PubMed PMID: 23169076.

From:
<https://neurosurgerywiki.com/wiki/> - Neurosurgery Wiki

Permanent link:
https://neurosurgerywiki.com/wiki/doku.php?id=cervical_degenerative_spondylolisthesis

Last update: **2024/06/07 03:00**

