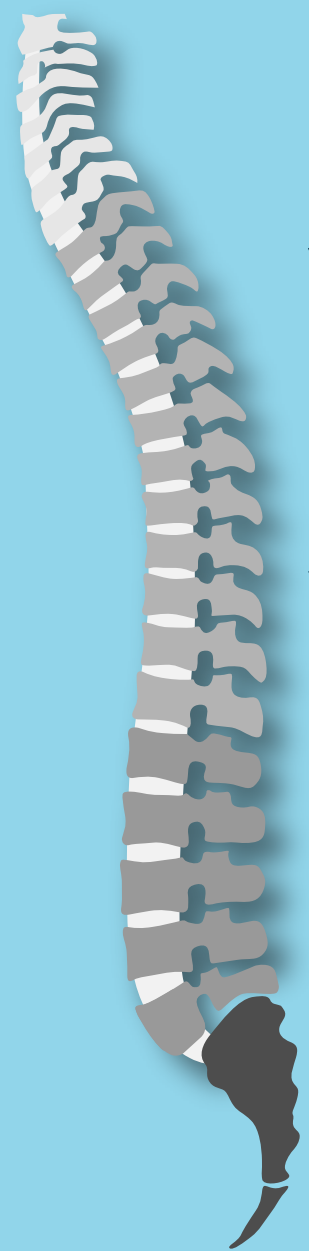


Sagittal Balance Three Decades After in Situ Arthrodesis for High-Grade Spondylolisthesis

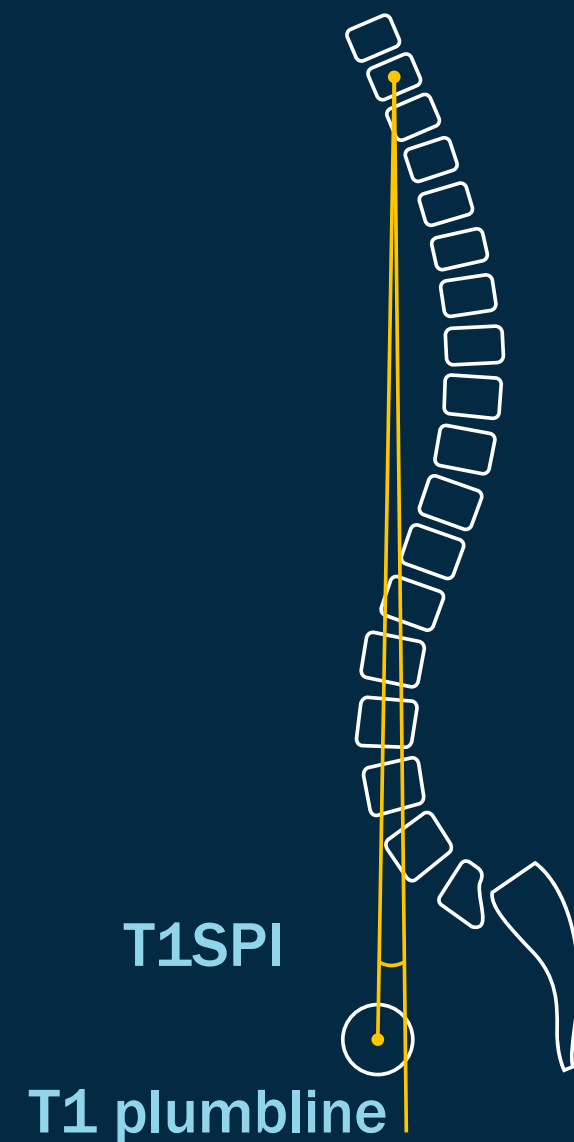
In Situ arthrodesis may lead to long-term sagittal-balance issues in aging patients with high-grade spondylolisthesis



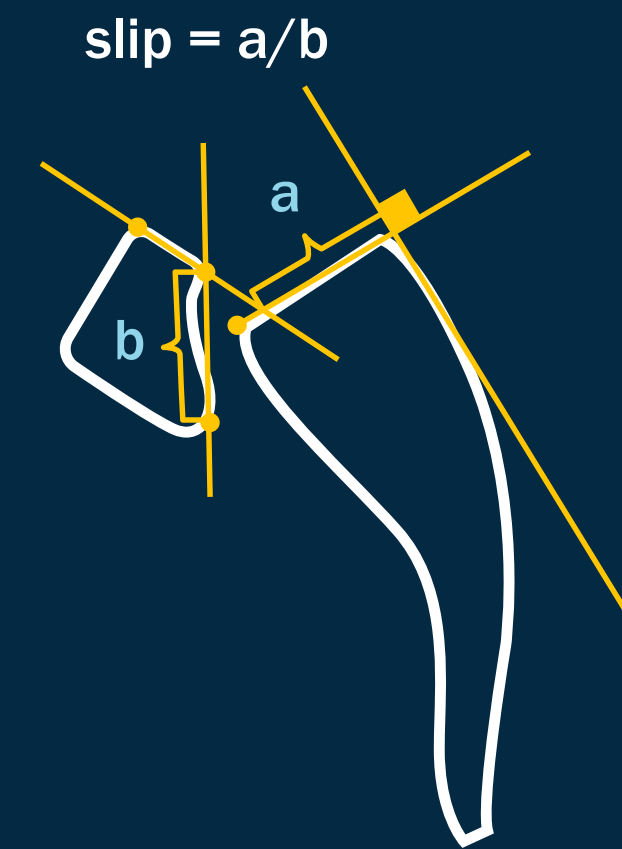
Sagittal balance and health-related quality of life was evaluated **3 decades** after in situ arthrodesis for high-grade spondylolisthesis

- ★ n = 28
- ★ Mean age at arthrodesis: 14
- ★ Comparison of post-surgical radiographs from 8 to 30 years

3/28 had global sagittal imbalance (T1 spinopelvic inclination of $>0^\circ$)



No significant difference between preoperative L5/S1 slip and the 30-year follow-up



a = dislocation length (mm)
b = sagittal length of L5 lower end plate (mm)

No association between any radiographic parameter and health-related quality of life



In Situ arthrodesis in youths with high-grade spondylolisthesis does not lead to radiographic or clinical sagittal imbalance at middle age

Sagittal Balance and Health-Related Quality of Life Three Decades After in Situ Arthrodesis for High-Grade Isthmic Spondylolisthesis

Joelson et al. (2018)

DOI: 10.2106/JBJS.17.01415

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