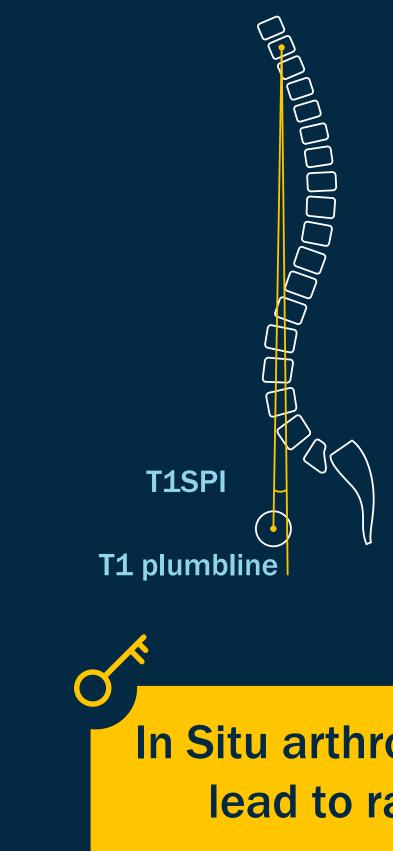
Sagittal Balance Three Decades After in Situ Arthrodesis for High-Grade Spondylolisthesis

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

3/28 had global sagittal imbalance (T1 spinopelvic inclination of >0°)



★ n = 28

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

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

Joelson et al. (2018)

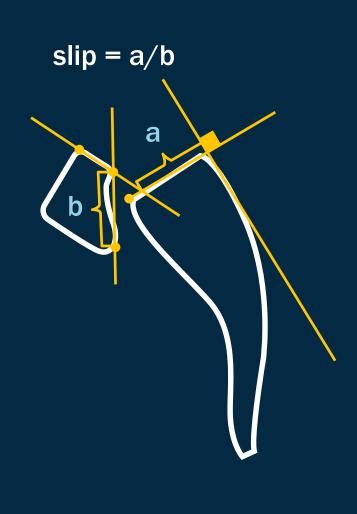
DOI: 10.2106/JBJS.17.01415

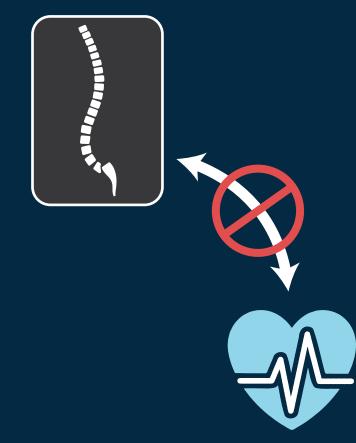
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No significant difference between preoperative L5/S1 slip and the 30-year follow-up

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





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

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









