

Minimally Invasive & Lateral Spine Surgery Publications

Khajavi K, Peterson M, Rodger WB. eXtreme Lateral Interbody Fusion (XLIF) in the Treatment of Lumbar Degenerative Spondylolisthesis. In: Goodrich JA, Volcan IJ, eXtreme Lateral Interbody Fusion (XLIF), 2nd Edition. St. Louis, MO: Quality Medical Publishing, Inc., 2013.

Khajavi K, Shen A.Y, Lagina L, Hutchison A. Comparison of Clinical Outcomes Following Minimally Invasive Lateral Interbody Fusion Stratified by Preoperative Diagnosis. Eur Spine J 2015;24 Suppl 3:322-30.

Khajavi K, Shen AY. Substantial clinical benefit of minimally invasive lateral interbody fusion for degenerative spondylolisthesis. Eur Spine J 2015;24 Suppl 3:314-21

Phillips FM, Basques BA, Shifflet GD, **Khajavi K**, Kanter AS, Peterson MD. Comparison of 2-year postoperative clinical outcomes between transforaminal and lateral transpoas lumbar interbody fusion in the treatment of degenerative spondylolisthesis at L4-5. The Spine Journal 2014, 14 (11): S175-176
Bodon G, Kiraly K, Baska G, Barany L, Kiss M, Hunt B, Pussert A, Timothy J, Stubbs L, **Khajavi K**, Braly B. Applied Anatomy and Surgical Technique of the Lateral Single-Position L5-S1 Fusion. Clinical Anatomy 2021; 34(5):774-784.

Farber SH, Sagar S, Godkik J, Zhou J, Walker CT, **Khajavi K**, Turner JD, Uribe JS. Radiographic Comparison of Lordotic and Hyper-lordotic Implants in L5-S1 Anterior Lumbar Interbody Fusion. J of Neurosurg: Spine 2022, 36(5), 775-783.

Thomas A, Menezes C, Buckland A, **Khajavi K**, Ashayeri K, Braly B, Cheng I, Berjano P. Single Position Circumferential Lumbar Spinal Fusion: An Overview of Terminology, Concepts, Rationale, and the Current Evidence Base. Eur Spine J (2022). <https://doi.org/10.1007/s00586-022-07229-4>

Khajavi K, Menezes C, Braly B, Thomas A. Spinal Alignment Comparison for Lateral Versus Supine L5-S1 ALIF in the Treatment of Patients with Degenerative Conditions of the Lumbar Spine. Eur Spine J (2022); <https://doi.org/10.1007/s00586-022-07252-5>

Guiroy A, De Andrada-Pereira B, Camino-Willhuber G, Berjano P, Buckland A, Gagliardi M, **Khajavi K**, Thomas A, Menezes C, Lehman R, Uribe J. Setting for Single Position surgery: Survey from Expert Spinal Surgeons. Eur Spine J (2022); <https://doi.org/10.1007/s00586-022-07228-5>.

Khajavi K, Menezes C, Smith W, Berjano P. Low rate of hardware failure and revision surgery in patients treated with lateral lumbar interbody fusion and unilateral pedicle screw rod fixation. Manuscript submitted for publication.

Menezes C, Leal J, de Moraes Ogawa T, **Khajavi K**. Lateral single Position Surgery for Lumbar Fusion: A Systematic Review and Meta-analysis. In press, Seminars in Spine Surgery.

Neuromonitoring in Lateral Surgery Publications

Khajavi K, Youssef J, Eastlack RK, Niznik G, Smith W. Safety and Feasibility of Transabdominal Muscle Action Potential Monitoring (TMAP) in Lateral Lumbar Surgery. World Neurosurgery (2025) 197:123878; <https://doi.org/10.1016/j.wneu.2025.123878>

Uribe JS, Isaacs RE, Youssef JA, **Khajavi K**, Balzer JR, Kanter AS, Kuelling FA, Peterson MD. Can triggered electromyography monitoring throughout retraction predict postoperative symptomatic neuropraxia after XLIF? Results from a prospective multicenter trial. Eur Spine J 2015;24 Suppl 3:378-85.

Dann K, Mihir C, Moskovic T, Budil L, Bayaton A, McDermott M, Boyett J, Jakoi A, **Khajavi K**, Thomas A, Szczepaniak M, Patel A.. Multicenter Validation of Transabdominal Muscle Action Potentials (TMAP): Refining Alarm Criteria for Detecting Nerve Injury. Submitted to 2026 Society to Minimally Invasive Spine Surgery Annual Forum, Las Vegas NV, Sept 10-12, 2026

Dann K, Chandra, Moskovic T, Budil L, Bayaton A, McDermott M, Saleh O, Jakoi A, **Khajavi K**, Mica M. Multicenter Validation of Transabdominal Muscle Action Potentials (TMAP): Refining Alarm Criteria for Detecting Nerve Injury. Presentation at Lumbar Spine Research Society (LSRS) 19th Annual Meeting, Chicago, Il. May 14–15, 2026