



## Dr. med. Fabrice Alexander Külling

### Contact

Dr. med. Fabrice Alexander Külling  
Switzerland

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### Units

Orthopädische Chirurgie und Traumatologie des Bewegungsapparates

### Position

Stv. Leiter Wirbelsäulenchirurgie

### Former Positions

Oberarzt

### Profile Function

chief of service

### Research Area

Wirbelsäulenerkrankungen

### Affiliations

AO Spine, Inmann-Abott Society (UCSF Absolvent), Schweizerische Gesellschaft für Orthopädie (SGO), Ostschweizerische Orthopäden (OSO), Schweizerische Ärztegesellschaft, VSAO,

## Publications (23)

Tulner S, Zdravkovic V, Külling F, Jost B, Puskas G. Haptic assessment of bone quality in orthopedic surgery: no consensus but perspective for high training potential. *Int J Med Educ* 2017; 8:437-438.

Külling F, Ebnetter L, Rempfler G, Zdravkovic V. A new parallel closing mechanism for the laminectomy rongeur makes it significantly more precise: a biomechanical and mechanical comparison study. *Eur Spine J* 2017

Rahm S, Ebnetter L, Schultz B, Spross C, Külling F, Erhardt J. Comparison of interfragmentary compression in conventional and locked plating of proximal unicondylar tibia fractures : A biomechanical cadaver study. *Acta Orthop Belg* 2016; 82:586-592.

Külling F. Implantation of juvenile human chondrocytes demonstrates no adverse effect on spinal nerve tissue in rats. *European Spine Journal* 2016

Külling F. Prophylactic adjacent-segment vertebroplasty following kyphoplasty for a single osteoporotic vertebral fracture and the risk of adjacent fractures: a retrospective study and clinical experience. *J Neurosurg Spine* 2016

Ladurner A, Forster T, Külling F. Wirbelkörperfrakturen im Rahmen eines generalisierten epileptischen Anfalls. *Unfallchirurg* 2015; Jul 2015

Külling F. Can triggered electromyography monitoring throughout retraction predict postoperative symptomatic neuropraxia after XLIF? Results from a prospective multicenter trial. *European Spine Journal* 2015; 24:S378-385.

Erschbamer M, Den Hollander J, Sauter D, Erhardt J, Hechelhammer L, Külling F. Endovascular embolisation is a successful and safe treatment for post-operative arterial complications after total hip arthroplasty and revision surgery. *International Orthopaedics* 2015:1-6.

Erschbamer M, Den Hollander J, Sauter D, Erhardt J, Hechelhammer L, Külling F. Endovascular embolisation is a successful and safe treatment for post-operative arterial complications after total hip arthroplasty and revision surgery. *Int Orthop* 2015; 40:1577-1582.

Ewers A, Spross C, Ebnetter L, Külling F, Giesinger K, Zdravkovic V, Erhardt J. 10-Year Survival of Acetabular Reinforcement Rings/Cages for Complex Hip Arthroplasty. *Open Orthop J* 2015; 9:163-7.

Jost B, Benninger E, Erhardt J, Külling F, Zdravkovic V, Spross C. The extended medial elbow approach-a cadaveric study. *J Shoulder Elbow Surg* 2015; 24:1074-80.

Cernoch P, Hechelhammer L, von Hessling A, Spross C, Erhardt J, Jost B, Külling F. Pre-operative embolisation of spinal metastasis: technique, complication rate and outcome-clinical experience. *Int Orthop* 2015; 39:1399-404.

Külling F, Florianz H, Reepschläger B, Gasser J, Jost B, Lajtai G. High Prevalence of Disc Degeneration and Spondylolysis in the Lumbar Spine of Professional Beach Volleyball Players. *Orthopaedic Journal of Sports Medicine* 2014; 2:2325967114531213.

Külling F, Foley K, Liu J, Liebenberg E, Sin A, Matsukawa A, Lotz J. The anabolic effect of plasma-mediated ablation on the intervertebral disc: stimulation of proteoglycan and interleukin-8 production. *Spine J* 2014; 14:2479-87.

Erhardt J, Vincenti M, Pressmar J, Külling F, Spross C, Gebhard F, Roederer G. Mid term results of distal femoral fractures treated with a polyaxial locking plate: a multi-center study. *Open Orthop J* 2014; 8:34-40.

Hübschle L, Borgström F, Olafsson G, Röder C, Moulin P, Popp A, Külling F, Aghayev E, SWISSspine Registry Group. Real-life results of balloon kyphoplasty for vertebral compression fractures from the SWISSspine registry. *Spine J* 2014; 14:2063-77.

Sutter P, Forster T, Külling F. [Spinal deformity in Parkinson's disease: a treatment proposal]. *Unfallchirurg* 2013; 116:955-9.

Spross C, Aghayev E, Kocher R, Röder C, Forster T, Külling F. Incidence and risk factors for early adjacent vertebral fractures after balloon kyphoplasty for osteoporotic fractures: analysis of the SWISSspine registry. *Eur Spine J* 2013

Röder C, Boszczyk B, Perler G, Aghayev E, Külling F, Maestretti G. Cement volume is the most important modifiable predictor for pain relief in BKP: results from SWISSspine, a nationwide registry. *Eur Spine J* 2013; 22:2241-8.

Eichler M, Külling F. XLIF – eXtreme Lateral Interbody Fusion. *Leading Opinions Orthopädie & Rheumatologie* 2012; 2012:44-47.

Buser Z, Külling F, Liu J, Liebenberg E, Thorne K, Coughlin D, Lotz J. Biological and biomechanical effects of fibrin injection into porcine intervertebral discs. *Spine* 2011; 36:E1201-9.

Deviren V, Külling F, Poulter G, Pekmezci M. Minimal invasive anterolateral transthoracic transpleural approach: a novel technique for thoracic disc herniation. A review of the literature, description of a new surgical technique and experience with first 12 consecutive patients. *J Spinal Disord Tech* 2011; 24:E40-8.

Külling F. Lagerung und Standardzugänge bei der Hüftarthroskopie – Positioning and standardized portals in hip arthroscopy. *Arthroscopie* 2006; 1:16-22.

## Projects (1)

**Gait analysis in lumbar spinal stenosis: effect of decompression of kinematics and electromyography (EMG) in eDGA**

*Clinical Studies - Jun 18, 2012 - Jun 18, 2012*

*Automatically Closed*

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