



## **Dr. Christian Spross**

Orthopädische Chirurgie und Traumatologie des Bewegungsapparates · Dept.  
II

### **Contact**

Dr. Christian Spross  
Switzerland

[christian.spross@kssg.ch](mailto:christian.spross@kssg.ch)

### **Units**

Orthopädische Chirurgie und Traumatologie des Bewegungsapparates

## Publications (45)

Kramer M, Olach M, Zdravkovic V, Manser M, Jost B, Spross C. Cemented vs. uncemented reverse total shoulder arthroplasty for the primary treatment of proximal humerus fractures in the elderly—a retrospective case-control study. *BMC Musculoskelet Disord* 2022; 23:1043.

Rechsteiner J, Spross C. Ellbogenarthrose. *Fachzeitschrift Rheuma Schweiz* 2021

Olach M, Spross C. Die gezielte Untersuchung des Ellbogens – die wichtigsten Tests für den klinischen Alltag. *Rheuma Schweiz* 2021

Spross C, Farei-Campagna J, Gerhard P, Jost B, Yates P, Lam L. Osteochondral Shearing Fracture of the Humeral Head Associated with Traumatic Anterior Shoulder Dislocation: A Case Report. *JBJS Case Connect* 2021; 11

Olach M, Spross C. Die Ellbogenluxation und ihre Folgen. *Rheuma Schweiz* 2021

Rechsteiner J, Spross C. Der mediale Ellbogenschmerz. *Rheuma Schweiz* 2021

Rechsteiner J, Spross C. Der laterale Ellbogenschmerz – die häufigsten Differentialdiagnosen. *Rheuma Schweiz* 2021

Olach M, Spross C. Die häufigsten Brüche des Ellbogens. *Rheuma* 2021

Spross C, Zdravkovic V, Manser M, Farei-Campagna J, Jacxsens M, Jost B. Outcomes of Management of Proximal Humeral Fractures with Patient-Specific, Evidence-Based Treatment Algorithms. *J Bone Joint Surg Am* 2021; 103:1906–1916.

Olach M, Jost B, Spross C. [59/m and 86/f–Pain and restricted motion of the elbow joint : Preparation for the medical specialist examination: part 35]. *Orthopade* 2020

Zdravkovic V, Alexander N, Wegener R, Spross C, Jost B. How Do Scapulothoracic Kinematics During Shoulder Elevation Differ Between Adults With and Without Rotator Cuff Arthropathy?. *Clin Orthop Relat Res* 2020; 478:2640–2649.

van Riet R, van den Bekerom M, Van Tongel A, Spross C, Barco R, Watts A. Radial head fractures. *Shoulder Elbow* 2020; 12:212–223.

Jacxsens M, Schmid J, Zdravkovic V, Jost B, Spross C. Is serial radiological evaluation of one-part proximal humeral fractures necessary?. *Bone Joint J* 2019; 101-B:1307–1312.

Spross C, Meester J, Mazzucchelli R, Puskas G, Zdravkovic V, Jost B. Evidence-based algorithm to treat patients with proximal humerus fractures—a prospective study with early clinical and overall performance results. *J Shoulder Elbow Surg* 2019

Spross C, Behrens G, Dietrich T, Olaf Kim C, Puskas G, Zdravkovic V, Jost B. Early Arthroscopic Repair of Acute Traumatic Massive Rotator Cuff Tears Leads to Reliable Reversal of Pseudoparesis: Clinical and Radiographic Outcome. *Arthroscopy* 2019

Spross C, Jak W, van Riet R. Radiocapitellar arthroplasty: a consecutive case series with 2 to 6 years' follow-up. *J Shoulder Elbow Surg* 2018; 28:131-136.

Larsson P, Erschbamer M, Spross C, Grob K, Jost B, Erhardt J. Evaluation of ninety-six periprosthetic hip joint infections seen within five consecutive years. *Acta Orthop Belg* 2018; 84:298-306.

Behrend H, Graulich T, Gerlach R, Spross C, Ladurner A. Blackburne-Peel ratio predicts patients' outcomes after total knee arthroplasty. *Knee Surg Sports Traumatol Arthrosc* 2018

Mazzucchelli R, Jenny K, Zdravkovic V, Erhardt J, Jost B, Spross C. The influence of local bone quality on fracture pattern in proximal humerus fractures. *Injury* 2017

Spross C, Jost B. Das St. Galler Konzept zur Versorgung der proximalen Humerusfraktur. *Praxis (Bern 1994)* 2017; 106:781-788.

Spross C, Zeledon R, Zdravkovic V, Jost B. How bone quality may influence intraoperative and early postoperative problems after angular stable open reduction-internal fixation of proximal humeral fractures. *J Shoulder Elbow Surg* 2017; 26:1566-1572.

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.

Spross C, Yates P. A new stem extractor with specific multigrip pliers for revision hip arthroplasty - a biomechanical investigation. *Hip Int* 2016; 26:508-512.

Spross C, Gruenienger P, Gohil S, Dietrich M. Open Reduction and Internal Fixation of Fractures of the Proximal Part of the Humerus. *JBJSS Essent Surg Tech* 2015; 5:15-16.

Schaefer T, Spross C, Stoffel K, Yates P. Biomechanical properties of a posterior fully threaded positioning screw for cannulated screw fixation of displaced neck of femur fractures. *Injury* 2015

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.

Spross C, Kaestle N, Benninger E, Fornaro J, Erhardt J, Zdravkovic V, Jost B. Deltoid Tuberosity Index: A Simple Radiographic Tool to Assess Local Bone Quality in Proximal Humerus Fractures. *Clin Orthop Relat Res* 2015; 473:3038-45.

Spross C, Jost B. 48B. Proximal Humeral Fractures and Fracture-Dislocations. In: *Skeletal Trauma 5th Edition*. Philadelphia, PA 19103-2899: Elsevier Saunders, 2015. pp. 1423-1453.

Dietrich M, Wasmer M, Platz A, Spross C. Return-to-Work Following Open Reduction and Internal Fixation of Proximal Humerus Fractures. *Open Orthop J* 2014; 8:281-7.

Spross C, Jost B, Rahm S, Winklhofer S, Erhardt J, Benninger E. How many radiographs are needed to detect angular stable head screw cut outs of the proximal humerus - A cadaver study. *Injury* 2014; 45:1557-63.

Winklhofer S, Alkadhi H, Stolzmann P, Thali M, Jost B, Ross S, Rahm S, Morsbach F, Spross C, Benninger E, Guggenberger R. CT metal artefact reduction for internal fixation of the proximal humerus: Value of mono-energetic extrapolation from dual-energy and iterative reconstructions. *Clin Radiol* 2014; 69:e199-206.

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.

Spross C, Jost B. Das St. Galler Konzept zur Versorgung der proximalen Humerusfraktur. *Leadin Opinions* 2014; 9:26-30.

Rahm S, Wieser K, Spross C, Vich M, Gerber C, Meyer D. Standard axillary radiographs of the shoulder may mimic posterior subluxation of the lateral end of the clavicle. *J Orthop Trauma* 2013; 27:622-6.

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

Rahm S, Spross C, Gerber F, Farshad M, Buck F, Espinosa N. Operative treatment of chronic irreparable achilles tendon ruptures with large flexor hallucis longus tendon transfers. *Foot Ankle Int* 2013; 34:1100-10.

Spross C, Ebnetter L, Benninger E, Erschbamer M, Erhardt J. Short- or long-stem prosthesis for intramedullary bypass of proximal humeral fractures with severe metaphyseal bone loss: evaluation of primary stability in a biomechanical model. *J Shoulder Elbow Surg* 2013; 22:1682-8.

Inauen C, Platz A, Meier C, Zingg U, Rufibach K, Spross C, Dietrich M. Quality of life after osteosynthesis of fractures of the proximal humerus. *J Orthop Trauma* 2013; 27:e74-80.

Marti D, Spross C, Jost B. The first 100 elbow arthroscopies of one surgeon: analysis of complications. *J Shoulder Elbow Surg* 2013; 22:567-73.

Jost B, Spross C, Grehn H, Gerber C. Locking plate fixation of fractures of the proximal humerus: analysis of complications, revision strategies and outcome. *J Shoulder Elbow Surg* 2012

Spross C, Platz A, Rufibach K, Lattmann T, Forberger J, Dietrich M. The PHILOS plate for proximal humeral fractures--risk factors for complications at one year. *J Trauma Acute Care Surg* 2012; 72:783-92.

Benninger E, Spross C, Jost B. Die arthroskopische Schulterstabilisation. *Swiss Journal of Medicine and Medical Technology (Swiss Med)* 2012; 2:31-34.

Spross C, Platz A, Erschbamer M, Lattmann T, Dietrich M. Surgical treatment of Neer Group VI proximal humeral fractures: retrospective comparison of PHILOS® and hemiarthroplasty. *Clin Orthop Relat Res* 2011; 470:2035-42.

## Projects (1)

**Clinical evaluation of a standard treatment algorithm for midshaft clavicle fractures**

*Register - Jan 1, 2021 - Dec 31, 2025*

*Ongoing*

---

Kantonsspital St.Gallen  
Rorschacher Strasse 95  
CH-9007 St.Gallen

T: +41 71 494 11 11

[support.forschung@kssg.ch](mailto:support.forschung@kssg.ch)