



Dr. Valentin Zumstein

Oberarzt mbF/Oberärztin mbF
Urologie · Dept. II

Kontakt

Dr. Valentin Zumstein
Switzerland

T +41 71 494 9392

Bereiche

Urologie

Funktion

Oberarzt mbF/Oberärztin mbF

Publikationen (89)

Burkhardt O, Abt D, Engeler D, Schmid H, Müllhaupt G, Zumstein V. Prostatic Artery Embolization in Patients with Prostate Cancer: A Systematic Review. *Eur Urol Focus* 2023

Pratsinis M, Müllhaupt G, Güsewell S, Betschart P, Zumstein V, Engeler D, Schmid H, Lamb A, Abt D. Comparison of traditional outcome measures and self-assessed goal achievement in patients treated surgically for benign prostatic hyperplasia. *World J Urol* 2023

Burkhardt O, Schmid H, Engeler D, Zumstein V. Ventral-inlay buccal mucosal graft urethroplasty in a 44-year old female patient with recurrent urethral stricture. *J Surg Case Rep* 2023; 2023:rjad025.

Koster K, Zumstein V, Süveg K, Jochum W, Husarik D, Omlin A. Case of the month from the Cantonal Hospital, St Gallen, Switzerland: checkpoint inhibition for recurrent prostate cancer. *BJU Int* 2022

Abreu-Mendes P, Zumstein V, Parsons B, Flink I, Tornic J, Pinto R, Tidman V, Messelink B, Hughes J, Elneil S, Dinis-Oliveira P, Cottrell A, Borovicka J, Berghmans B, Baranowski A, Engeler D. Myofascial Pelvic Pain: Best Orientation and Clinical Practice. Position of the European Association of Urology Guidelines Panel on Chronic Pelvic Pain. *Eur Urol Focus* 2022

Parsons B, Baranowski A, Berghmans B, Borovicka J, Cottrell A, Dinis-Oliveira P, Elneil S, Hughes J, Messelink B, de C Williams A, Abreu-Mendes P, Zumstein V, Engeler D. Management of chronic primary pelvic pain syndromes. *BJU Int* 2021; 129:572-581.

Zumstein V, Vetterlein M, Hoffer A, Schmid H, Engeler D, Betschart P. Stay cool! Special underwear for cyclic cooling significantly decreases scrotal skin temperature. *Cent European J Urol* 2021; 74:468-470.

Müllhaupt G, Güsewell S, Schmid H, Zumstein V, Betschart P, Engeler D, Abt D. Aquablation versus holmium laser enucleation of the prostate in the treatment of benign prostatic hyperplasia in medium-to-large-sized prostates (ATHLETE): protocol of a prospective randomised trial. *BMJ Open* 2021; 11:e046973.

Parsons B, Baranowski A, de C Williams A, Messelink B, Hughes J, Elneil S, Berghmans B, Dinis-Oliveira P, Borovicka J, Cottrell A, Zumstein V, Yuan Y, Pacheco-Figueiredo L, Dabestani S, Goonewardene S, Engeler D. The Benefits and Harms of Botulinum Toxin-A in the Treatment of Chronic Pelvic Pain Syndromes: A Systematic Review by the European Association of Urology Chronic Pelvic Pain Panel. *Eur Urol Focus* 2021

Hirsch B, Wildermuth S, Schmid H, Vetterlein M, Pratsinis M, Betschart P, Langenauer J, Güsewell S, Abt D, Zumstein V. Outcome groups and a practical tool to predict success of shock wave lithotripsy in daily clinical routine. *World J Urol* 2021; 39:943-51.

Pratsinis M, Abt D, Müllhaupt G, Langenauer J, Knoll T, Schmid H, Zumstein V, Betschart P. Systematic assessment of information about surgical urinary stone treatment on YouTube. *World J Urol* 2021; 39:935-42.

Betschart P, Piller A, Zumstein V, Schmid H, Engeler D, Güsewell S, Pratsinis M, Abt D. Reduction of stent-associated morbidity by minimizing stent material: a prospective, randomized, single-blind superiority trial assessing a customized "suture stent". *BJU Int* 2021; 127:596-605.

Muellhaupt G, Güsewell S, Schmid H, Zumstein V, Betschart P, Engeler D, Abt D. Aquablation versus holmium laser enucleation of the prostate in the treatment of benign prostatic hyperplasia in medium-to-large-sized prostates (AHTLETE): protocol of a prospective randomised trial. *BMJ Open* 2021; 11

Zumstein V, Vetterlein M, Piller A, Schmid H, Engeler D, Betschart P. Stay cool ! Special underwear for ayclic colling significantly decreases scrotal skin temperature. *Cent European J Urol* 2021; 74:468-70.

Zumstein V, Binder J, Güsewell S, Betschart P, Pratsinis M, Muellhaupt G, Hechelhammer L, Schmid H, Abt D. Radiation exposure during prostatic artery embolisation: a systematic review and calculation of associated risks. *Eur Urol Focus* 2021; 7:608-11.

Tekin A, Pratsinis M, Zumstein V, Güsewell S, Schmid H, Abt D, Betschart P. Intravesical ureteral stent position is highly variable over time and with patient position: an analysis of 1'466 radiographic images. *Minerva Urol Nefrol* 2020

Pratsinis M, Tekin A, Zumstein V, Güsewell S, Schmid H, Abt D, Betschart P. Urinary Stone Location with Ureteral Stents in Place: Always on the Move, and not Where you Would Expect. *Urol J* 2020; 17:667-670.

Abt D, Zumstein V, Hechelhammer L. Commentary on the Article "Systematic Review and Meta-Analysis Comparing Prostatic Artery Embolisation to Gold-Standard Transurethral Resection of the Prostate for Benign Prostatic Hyperplasia". *Cardiovasc Intervent Radiol* 2020; 44:194-195.

Betschart P, Piller A, Zumstein V, Schmid H, Engeler D, Güsewell S, Pratsinis M, Abt D. Reduction of stent-associated morbidity by minimizing stent material: a prospective, randomized, single-blind superiority trial assessing a customized 'suture stent'. *BJU Int* 2020

Hirsch B, Wildermuth S, Schmid H, Vetterlein M, Pratsinis M, Betschart P, Langenauer J, Güsewell S, Abt D, Zumstein V. Outcome groups and a practical tool to predict success of shock wave lithotripsy in daily clinical routine. *World J Urol* 2020

Zumstein V, Binder J, Güsewell S, Betschart P, Pratsinis M, Muellhaupt G, Hechelhammer L, Schmid H, Abt D. Radiation Exposure During Prostatic Artery Embolisation: A Systematic Review and Calculation of Associated Risks. *Eur Urol Focus* 2020

Tekin A, Pratsinis M, Zumstein V, Güsewell S, Schmid H, Abt D, Betschart P. Variabilität der intravesikalen DJ-Katheter Position über die Zeit und mit verschiedenen Patientenpositionen: Eine Analyse von 1466 Röntgenbildern. *German Medical Science, www.egms.de* 2020

Zumstein V, Ren Q, Schmid H, Engeler D, Güsewell S, Nolte O, Albrich W, Buhmann M, Betschart P, Abt D. Die präoperative Urinkultur variiert von der Stentkultur bei Patienten mit permanenter DJ-Katheter-Versorgung. *Swiss Urol* 2020:29.

Betschart P, Ren Q, Schmid H, Güsewell S, Muellhaupt G, Babst C, Altenried S, Buhmann M, Zumstein V, Abt D. Zusammenhang zwischen einer Biofilmbildung und den Symptomen bei einer langfristigen Ureterschienung. *Swiss Urol* 2020:31.

Betschart P, Pratsinis M, Muellhaupt G, Rechner R, Hermann T, Gratzke C, Schmid H, Zumstein V, Abt D. Highly biased and misleading: Information on surgical treatment of benign prostatic hyperplasia on You Tube. *Eur Urol Open Sci* 2020:e2146.

Zumstein V, Binder J, Güsewell S, Betschart P, Pratsinis M, Muellhaupt G, Hechelhammer L, Schmid H, Abt D. Systematische Review zur Strahlenbelastung bei der Prostatic Artery Embolization (PAE) und Kalkulation der hiermit assoziierten Risiken. *Urologe* 2020:42.

Betschart P, Pratsinis M, Muellhaupt G, Rechner R, Herrmann T, Gratzke C, Schmid H, Zumstein V, Abt D. Information on surgical treatment of benign prostatic hyperplasia on You Tube is highly biased and misleading. *Urologe* 2020:40.

Betschart P, Pratsinis M, Muellhaupt G, Rechner R, Herrmann T, Gratzke C, Schmid H, Zumstein V, Abt D. Information on surgical treatment of benign prostatic hyperplasia on YouTube is highly biased and misleading. *BJU Int* 2019

Zumstein V, Qun R, Schmid H, Engeler D, Güsewell S, Nolte O, Albrich W, Buhmann M, Betschart P, Abt D. Detection of microbial colonization of the urinary tract of patients prior to secondary ureterorenoscopy is highly variable between different types of assessment: results of a prospective observational study. *Biofouling* 2019:1-10.

Lyatoshinsky P, Pratsinis M, Abt D, Schmid H, Zumstein V, Betschart P. Readability Assessment of Commonly Used German Urological Questionnaires. *Curr Urol* 2019; 13:87-93.

Betschart P, Staubli S, Zumstein V, Babst C, Sauter R, Schmid H, Abt D. Improving Patient Education Materials: A Practical Algorithm from Development to Validation. *Curr Urol* 2019; 13:64-69.

Betschart P, Zumstein V, Jichlinski P, Herrmann T, Knoll T, Engeler D, Muellhaupt G, Schmid H, Abt D. Spoilt for Choice: A Survey of Current Practices of Surgical Urinary Stone Treatment and Adherence to Evidence-Based Guidelines among Swiss Urologists. *Urol Int* 2019; 103:357-363.

Zumstein V, Dahlem R, Kluth L, Rosenbaum C, Maurer V, Bahassan O, Engel O, Fisch M, Vetterlein M. A critical outcome analysis of Asopa single-stage dorsal inlay substitution urethroplasty for penile urethral stricture. *World J Urol* 2019

Gramann T, Schwab C, Zumstein V, Betschart P, Schmid H, Engeler D. TUR-B an der Seitenwand ohne Obturatoriusblock. Ein prospektiv randomisierter Vergleich der monopolaren versus bipolaren TUR-B bezüglich Stimulation des Nervus obturatorius. *Urol Nachrichten* 2019; 01/02.2018:12-3.

Buhmann M, Maniura-Weber K, Neels A, Zumstein V, Betschart P, Albrich W, Stempel S, Neu T, Nolte O, Abt D, Qun R. Encrustations on ureteral stents from patients without urinary tract infection reveal distinct urotypes and a low bacterial load. *Microbiome* 2019; 7:60.

Müllhaupt G, Mordasini L, Schmid H, Kessler T, Zumstein V, Betschart P, Güsewell S, Engeler D, Hechelhammer L, Abt D. In-hospital cost analysis of prostatic artery embolization compared with transurethral resection of the prostate: post hoc analysis of a randomized controlled trial. *BJU Int* 2019; 123:1055-1060.

Muellhaupt G, Mordasini L, Schmid H, Kessler T, Zumstein V, Betschart P, Güsewell S, Engeler D, Hechelhammer L, Abt D. In-hospital cost analysis of prostatic artery embolization compared with transurethral resection of the prostate: post hoc analysis of a randomized controlled trial. *BJU Int* 2019:1055-60.

Abt D, Engeler D, Schmid H, Kessler T, Zumstein V, Markart S, Güsewell S, Mordasini L, Muellhaupt G, Hechelhammer L. Outcome prediction of prostatic artery embolization: post hoc analysis of a randomized, open-label, non-inferiority trial. *BJU Int* 2019; 124:134-44.

Betschart P, Zumstein V, Buhmann M, Albrich W, Nolte O, Güsewell S, Schmid H, Ren Q, Abt D. Influence of biofilms on morbidity associated with short-term indwelling ureteral stents: a prospective observational study. *World J Urol* 2019:1703-11.

Betschart P, Zumstein V, Jichlinski P, Hermann T, Knoll T, Engeler D, Muellhaupt G, Schmid H, Abt D. Spoilt for choice: a survey of current practices of surgical urinary stone treatment and adherence to evidence-based guidelines among Swiss urologists. *Urol Int* 2019:357-63.

Lyatoshinsky P, Pratsinis M, Abt D, Schmid H, Zumstein V, Betschart P. Readability assessment of commonly used German urological questionnaires. *Curr Urol* 2019:64-9.

Betschart P, Staubli S, Zumstein V, Babst C, Sauter R, Schmid H, Abt D. Improving Patient education materials: a practical algorithm from development to validation. *Curr Urol* 2019:64-9.

Betschart P, Ren Q, Schmid H, Güsewell S, Muellhaupt G, Babst C, Altenried S, Buhmann M, Zumstein V, Abt D. Symptoms associated with long-term double-J ureteral stenting and influence of biofilms. *Urology* 2019:72-8.

Zumstein V, Schmid H, Kessler T, Engeler D, Mordasini L, Hechelhammer L, Kluth L, Vetterlein M, Betschart P, Abt D. Prostatic artery embolization versus standard surgical treatment for lower urinary tract symptoms secondary to benign prostatic hyperplasia: a systematic review and metaanalysis. *Eur Uro Focus* 2019:1091-100.

Zumstein V, Schmid H, Abt D. Benignes Prostatasyndrom. PAE vs. Standardtherapie beim BPS – ein Update. *UroForum* 2019:33-4.

Betschart P, Staubli S, Zumstein V, Babst C, Sauter R, Schmid H, Abt D. Entwicklung und Validierung einer Patientenbroschüre zur Harnleiterschienung. Weniger Morbidität durch bessere Information. *Urologik* 2019:35-7.

Betschart P, Zumstein V, Jichlinski P, Hermann T, Knoll T, Engeler D, Muellhaupt G, Schmid H, Abt D. Spoilt for choice: a survey of current practices of surgical urinary stone treatment and adherence to evidence based guidelines amongst Swiss urologists. *German Medica Science, www.egms.de* 2019

Betschart P, Zumstein V, Buhmann M, Altenried S, Babst C, Güsewell S, Schmid H, Ren Q, Abt D. Morbidity associated with long term Double-J ureteral stenting: A prospective observational study. *German Medica Science, www.egms.de* 2019

Muellhaupt G, Mordasini L, Schmid H, Kessler T, Zumstein V, Betschart P, Güsewell S, Engeler D, Hechelhammer L, Abt D. Analyse der Hospitalisationskosten der Embolisationen der Prostata im Vergleich zur transurethralen Resektion der Prostata: Post-hoc-Analyse einer randomisierten kontrollierten Studie. *German Medica Science, www.egms.de* 2019

Schmid H, Betschart P, Zumstein V, Müllhaupt G, Abt D. Current Developments and Trends in Urology. *Praxis (Bern 1994)* 2018; 106:583-587.

Abt D, Engeler D, Schmid H, Kessler T, Zumstein V, Markart S, Güsewell S, Mordasini L, Muellhaupt G, Hechelhammer L. Outcome prediction of prostatic artery embolization: post hoc analysis of a randomized, open-label, non-inferiority trial. *BJU Int* 2018; 124:134-144.

Betschart P, Zumstein V, Buhmann M, Albrich W, Nolte O, Güsewell S, Schmid H, Qun R, Abt D. Influence of biofilms on morbidity associated with short-term indwelling ureteral stents: a prospective observational study. *World J Urol* 2018

Zumstein V, Schmid H, Kessler T, Engeler D, Mordasini L, Hechelhammer L, Kluth L, Vetterlein M, Betschart P, Abt D. Prostatic Artery Embolization versus Standard Surgical Treatment for Lower Urinary Tract Symptoms Secondary to Benign Prostatic Hyperplasia: A Systematic Review and Meta-analysis. *Eur Urol Focus* 2018

Vetterlein M, Loewe C, Zumstein V, Rosenbaum C, Engel O, Dahlem R, Fisch M, Kluth L, Trauma and Reconstructive Urology Working Party of the EAU Young Academic Urologists. Characterization of a Standardized Postoperative Radiographic and Functional Voiding Trial after One-Stage Bulbar Ventral Onlay Buccal Mucosal Graft Urethroplasty and the Impact on Stricture Recurrence-Free Survival. *J Urol* 2018

Betschart P, Abt D, Schmid H, Viktorin P, Langenauer J, Zumstein V. Readability assessment of commonly used urological questionnaires. *Investig Clin Urol* 2018; 59:297-304.

Buhmann M, Abt D, Altenried S, Rupper P, Betschart P, Zumstein V, Maniura-Weber K, Qun R. Extraction of Biofilms From Ureteral Stents for Quantification and Cultivation-Dependent and -Independent Analyses. *Front Microbiol* 2018; 9:1470.

Vetterlein M, Stahlberg J, Zumstein V, Engel O, Dahlem R, Fisch M, Rosenbaum C, Kluth L, Trauma and Reconstructive Urology Working Party of the European Association of Urology Young Academic Urologists. The Impact of Surgical Sequence on Stricture Recurrence after Anterior 1-Stage Buccal Mucosal Graft Urethroplasty: Comparative Effectiveness of Initial, Repeat and Secondary Procedures. *J Urol* 2018

Weber A, Zumstein V, Betschart P, Albrich W, Nolte O, Engeler D, Schmid H, Güsewell S, Abt D. Prediction of Bacteriuria Based on Clinical or Laboratory Parameters in Patients with Indwelling Ureteral Stents Before Ureterorenoscopy Should Not Substitute for Urine Cultures. *J Endourol* 2018; 32:739-745.

Langenauer J, Betschart P, Hechelhammer L, Güsewell S, Schmid H, Engeler D, Abt D, Zumstein V. Advanced non-contrasted computed tomography post-processing by CT-Calculometry (CT-CM) outperforms established predictors for the outcome of shock wave lithotripsy. *World J Urol* 2018; 36:2073-2080.

Gramann T, Schwab C, Zumstein V, Betschart P, Meier M, Schmid H, Engeler D. Transurethral resection of bladder cancer on the lateral bladder wall without obturator nerve block: extent of adductor spasms using the monopolar versus bipolar technique—a prospective randomised study. *World J Urol* 2018; 36:1085-1091.

Betschart P, Staubli S, Zumstein V, Babst C, Sauter R, Schmid H, Abt D. Entwicklung und Validierung einer Patientenbroschüre zur Harnleiterschienung. Weniger Morbidität durch bessere Information. *Leading Opinions Urol* 2018; 8:26-8.

Betschart P, Zumstein V, Buhmann M, Albrich W, Nolte O, Güsewell S, Schmid H, Ren Q, Abt D. Biofilme auf Harnleiterschienen: Einfluss auf die assoziierte Morbidität. Mehr Biofilm - mehr Beschwerden ?. *Leading Opinions Urol* 2018; 8:8-10.

Betschart P, Zumstein V, Weber A, Engeler D, Schmid H, Güsewell S, Abt D. Prädikation positiver Urinkulturen vor sekundärer Ureterorenoskopie. Eine retrospektive Analyse von 462 Patienten. *German Medical Science, www.egms.de* 2018

Betschart P, Zumstein V, Buhmann M, Albrich W, Nolte O, Schmid H, Ren Q, Abt D. Biofilme auf kurz einliegenden Harnleiterschienen: Einfluss auf assoziierte Symptome und Komplikationen. German Medical Science, www.egms.de 2018

Zumstein V, Betschart P, Hechelhammer L, Schmid H, Abt D, Müller-Gerbl M. CT-calculometry (CT-CM): advanced NCCT post-processing to investigate urinary calculi. World Urol 2018; 36:117-23.

Betschart P, Zumstein V, Hasan A, Schmid H, Abt D. Readability assessment of patient education material published by German-speaking associations of Urology. Urol Int 2018; 100:79-84.

Zumstein V, Betschart P, Abt D, Schmid H, Panje C, Putora P. Surgical management of urolithiasis - a systematic analysis of available guidelines. BMC Urology 2018

Gramann T, Schwab C, Zumstein V, Betschart P, Meier M, Schmid H, Engeler D. Transurethral resection of bladder cancer on the lateral bladder wall without obturator nerve block: extent of adductor spasms using the monopolar versus bipolar technique - a prospective randomised study. World J Urol 2018; 36:1085-91.

Weber A, Zumstein V, Betschart P, Albrich W, Nolte O, Engeler D, Schmid H, Güsewell S, Abt D. Prediction of bacteriuria based on clinical or laboratory parameters in patients with indwelling ureteral stents before ureterorenoscopy should not substitute for urine cultures. J Endourol 2018; 32:739-45.

Betschart P, Abt D, Schmid H, Viktorin P, Langenauer J, Zumstein V. Readability assessment of commonly used urological questionnaires. Investig Clin Urol 2018

Betschart P, Zumstein V, Buhmann M, Albrich W, Nolte O, Schmid H, Ren Q, Abt D. Biofilms on short-term indwelling ureteral stents: Influence on associated symptoms and complications. Eur Urol Suppl 2018; 17:e926.

Betschart P, Zumstein V, Hasan Ali O, Schmid H, Abt D. Readability Assessment of Patient Education Material Published by German-Speaking Associations of Urology. Urol Int 2017; 100:79-84.

Zumstein V, Betschart P, Hechelhammer L, Schmid H, Abt D, Müller-Gerbl M. CT-calculometry (CT-CM): advanced NCCT post-processing to investigate urinary calculi. World J Urol 2017; 36:117-123.

Betschart P, Zumstein V, Bentivoglio M, Engeler D, Schmid H, Abt D. Readability assessment of online patient education materials provided by the European Association of Urology. Int Urol Nephrol 2017; 49:2111-2117.

Panje C, Glatzer M, von Rappard J, Rothermundt C, Hundsberger T, Zumstein V, Plasswilm L, Putora P. Applied Swarm-based medicine: collecting decision trees for patterns of algorithms analysis. BMC Med Res Methodol 2017; 17:123.

Zumstein V, Betschart P, Muellhaupt G, Jochum W, Schmid H, Abt D. Recurrent Dystrophic Calcification of the Prostatic Resection Cavity After Transurethral Resection of the Prostate: Clinical Presentation and Endoscopic Management. J Endourol Case Rep 2017; 3:81-83.

Vinzens F, Kilchenmann A, Zumstein V, Slawik M, Gebhart M, Peterli R. Long-term outcome of laparoscopic adjustable gastric banding (LAGB): results of a Swiss single-center study of 405 patients with up to 18 years' follow-up. Surg Obes Relat Dis 2017; 13:1313-1319.

Hirsch A, Hotz G, Rosendahl W, Zumstein V, Rühli F, Müller-Gerbl M. CT-Osteoabsorptiometry (CT-OAM) - a new investigation technique in the field of mummy research. *Anthropol Anz* 2017; 74:1-7.

Betschart P, Zumstein V, Piller A, Schmid H, Abt D. Prevention and treatment of symptoms associated with indwelling ureteral stents: A systematic review. *Int J Urol* 2017; 24:250-259.

Zumstein V, Betschart P, Albrich W, Buhmann M, Qun R, Schmid H, Abt D. Biofilm formation on ureteral stents - Incidence, clinical impact, and prevention. *Swiss Med Wkly* 2017; 147:w14408.

Vinzens F, Zumstein V, Bieg C, Ackermann C. Two similar cases of elderly women with moderate abdominal pain and pneumoperitoneum of unknown origin: a surgeon's successful conservative management. *BMJ Case Rep* 2016; 2016

Zumstein V, Vinzens F, Zettl A, Heinimann K, Koeberle D, von Flüe M, Bolli M. Systematic immunohistochemical screening for Lynch syndrome in colorectal cancer: a single centre experience of 486 patients. *Swiss Med Wkly* 2016; 146:w14315.

Zumstein V, Kraljević M, Hoechel S, Conzen A, Nowakowski A, Müller-Gerbl M. The glenohumeral joint - a mismatching system? A morphological analysis of the cartilaginous and osseous curvature of the humeral head and the glenoid cavity. *J Orthop Surg Res* 2014; 9:34.

Zumstein V, Kraljević M, Conzen A, Hoechel S, Müller-Gerbl M. Thickness distribution of the glenohumeral joint cartilage: a quantitative study using computed tomography. *Surg Radiol Anat* 2013; 36:327-31.

Zumstein V, Kraljević M, Müller-Gerbl M. Glenohumeral relationships: subchondral mineralization patterns, thickness of cartilage, and radii of curvature. *J Orthop Res* 2013; 31:1704-7.

Kraljević M, Zumstein V, Hügli R, Müller-Gerbl M. A comparison of subchondral bone mineralization between the glenoid cavity and the humeral head on 57 cadaverous shoulder joints. *Surg Radiol Anat* 2012; 35:295-300.

Zumstein V, Kraljević M, Wirz D, Hügli R, Müller-Gerbl M. Correlation between mineralization and mechanical strength of the subchondral bone plate of the humeral head. *J Shoulder Elbow Surg* 2011; 21:887-93.

Kraljević M, Zumstein V, Wirz D, Hügli R, Müller-Gerbl M. Mineralisation and mechanical strength of the glenoid cavity subchondral bone plate. *Int Orthop* 2011; 35:1813-9.

Zumstein V, Kraljević M, Hügli R, Müller-Gerbl M. Mineralisation patterns in the subchondral bone plate of the humeral head. *Surg Radiol Anat* 2011; 33:775-9.

Projekte (4)

Longterm ureteral stenting: Assessment of stent-associated morbidity, associated costs and impact of biofilms

Klinische Forschung - 02.06.2016 - 18.05.2018

Automatisch geschlossen

Biofilms on ureteral stents - development of an in vitro simulation model

Grundlagenforschung - 18.10.2015 - 18.05.2018

Automatisch geschlossen

Biofilms on short-term indwelling ureteral stents: Influence on associated symptoms and complications; Prediction by urine analysis; Current bacterial spectrum and antibiotic resistance

Klinische Forschung - 10.10.2015 - 10.02.2018

Automatisch geschlossen

Entwicklung und Validierung einer Patienteninformationsbroschüre zur Harnleiterschienung

Klinische Forschung - 18.01.2015 - 18.12.2016

Automatisch geschlossen