



Dr. med. Patrick Betschart

Contact

Dr. med. Patrick Betschart
Rorschacherstrasse 95
9007 St. Gallen
Switzerland

Patrick.Betschart@kssg.ch

Units

Urologie

Profile Function

attending physician

Publications (86)

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

Vu E, Pratsinis M, Plasswilm L, Schmid H, Panje C, Betschart P. Radiotherapy or Surgery? Comparative, Qualitative Assessment of Online Patient Education Materials on Prostate Cancer. *Curr Oncol* 2021; 28:3420-3429.

Pratsinis M, Babst C, Langenauer J, Schmid H, Piller A, Neuenschwander A, Betschart P. Qualitative Assessment of Medical Information on YouTube: A Multilingual Comparison of Common Urological Conditions. *Urol Int* 2021; 105:757-763.

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.

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, Muellhaupt 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 (ATHLETE): protocol of a prospective randomised trial. *BMJ Open* 2021; 11

Pratsinis M, Babst C, Langenauer J, Schmid H, Piller A, Neuenschwander A, Betschart P. Qualitative assessment of medical information on YouTube: a multilingual comparison of common urological conditions. *Urol Int* 2021; 105:757-63.

Vu E, Pratsinis M, Plasswilm L, Schmid H, Panje C, Betschart P. Radiotherapy or surgery ? Comparative, qualitative assessment of online patient education materials on prostate cancer. *Curr Oncol* 2021; 28:3420-9.

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.

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, Herrmann 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.

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.

Betschart P, Schmid H, Klingbiel D, Engeler D, Gillissen Sommer S, Schwab C, Abt D, Rothermundt C, Schmid S, Babst C, Omlin A. Shared Decision-Making for Patients with Advanced Urological Malignancies: Evaluation of a Joint Urological-Oncological Clinic Model. *Oncol Res Treat* 2019; 42:366-374.

Buhmann M, Maniura-Weber K, Neels A, Zumstein V, Betschart P, Albrich W, Stempel S, Neu T, Nolte O, Abt D, Gun 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.

Hechelhammer L, Muellhaupt G, Mordasini L, Markart S, Güsewell S, Betschart P, Schmid H, Engeler D, Abt D. Predictability and Inducibility of Detachment of Prostatic Central Gland Tissue after Prostatic Artery Embolization: Post Hoc Analysis of a Randomized Controlled Trial. *J Vasc Interv Radiol* 2019; 30:217-224.

Hechelhammer L, Muellhaupt G, Mordasini L, Markart S, Güsewell S, Betschart P, Schmid H, Engeler D, Abt D. Predictability and inducibility of detachment of prostatic central gland tissue after prostatic artery embolization: post hoc analysis of a randomized controlled trial. *J Vasc Interv Radiol* 2019:217-24.

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.

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, 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* 2019:357-63.

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.

<p>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. <i>Curr Urol</i> 2019:64-9.</p>
<p>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. <i>Urology</i> 2019:72-8.</p>
<p>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. <i>Eur Uro Focus</i> 2019:1091-100.</p>
<p>Betschart P, Schmid H. Schonende Behandlung der vergrößerten Prostata. <i>der informierte patient</i> 2019:13.</p>
<p>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. <i>Urologik</i> 2019:35-7.</p>
<p>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. <i>German Medicales Science, www.egms.de</i> 2019</p>
<p>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. <i>German Medicales Science, www.egms.de</i> 2019</p>
<p>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. <i>German Medicales Science, www.egms.de</i> 2019</p>
<p>Schmid H, Betschart P, Zumstein V, Müllhaupt G, Abt D. Current Developments and Trends in Urology. <i>Praxis (Bern 1994)</i> 2018; 106:583-587.</p>
<p>Betschart P, Omlin A, Abt D. Seminal vesicle sparing robotic radical prostatectomy - no different interpretation of postoperative PSA follow-up required?. <i>Swiss Med Wkly</i> 2018; 148:w14698.</p>
<p>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. <i>World J Urol</i> 2018</p>
<p>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. <i>Eur Urol Focus</i> 2018</p>
<p>Betschart P, Abt D, Schmid H, Viktorin P, Langenauer J, Zumstein V. Readability assessment of commonly used urological questionnaires. <i>Investig Clin Urol</i> 2018; 59:297-304.</p>
<p>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. <i>Front Microbiol</i> 2018; 9:1470.</p>

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.

Schmid H, Betschart P, Schwab C. Pro/Contra: fokale Therapie des Prostatakarzinoms. Spectrum Urol 2018; 9:30-1.

Schmid H, Betschart P. Hormonsensitives metastasiertes Prostatakarzinom. Lokale Therapie des Primärtumors. Leading Opinions Hämatol Onkol 2018; 14:34-6.

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 Medica 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 Medica 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.

<p>Betschart P, Abt D, Schmid H, Viktorin P, Langenauer J, Zumstein V. Readability assessment of commonly used urological questionnaires. <i>Investig Clin Urol</i> 2018</p>
<p>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. <i>Eur Urol Suppl</i> 2018; 17:e926.</p>
<p>Betschart P, Zumstein V, Hasan Ali O, Schmid H, Abt D. Readability Assessment of Patient Education Material Published by German-Speaking Associations of Urology. <i>Urol Int</i> 2017; 100:79-84.</p>
<p>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. <i>World J Urol</i> 2017; 36:117-123.</p>
<p>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. <i>Int Urol Nephrol</i> 2017; 49:2111-2117.</p>
<p>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. <i>J Endourol Case Rep</i> 2017; 3:81-83.</p>
<p>Betschart P, Zumstein V, Piller A, Schmid H, Abt D. Prevention and treatment of symptoms associated with indwelling ureteral stents: A systematic review. <i>Int J Urol</i> 2017; 24:250-259.</p>
<p>Zumstein V, Betschart P, Albrich W, Buhmann M, Qun R, Schmid H, Abt D. Biofilm formation on ureteral stents - Incidence, clinical impact, and prevention. <i>Swiss Med Wkly</i> 2017; 147:w14408.</p>
<p>Zumstein V, Betschart P, Albrich W, Buhmann M, Ren Q, Schmid H, Abt D. biofilm formation on ureteral stents. <i>Swiss Med Forum</i> 2017; 17 (7):174.</p>
<p>Buhmann M, Abt D, Altenried S, Betschart P, Zumstein V, Schmid H, Maniura-Weber K, Ren Q (2017). Development and validation of a novel abrasion-based method to assess biofilms on ureteral stents. Presented at: -, -</p>
<p>Gramann T, Schwab C, Zumstein V, Betschart P, Meier M, Schmid H, Engeler D. Transurethrale Resektion von Blasen Tumoren ohne Obturatorius-Block: Ausmass der Adduktorenkontraktion bei der monopolaren versus bipolaren Resektionstechnik - Erste Ergebnisse einer prospektiv-randomisierten Studie. <i>German Medical Science, www.egms.de</i> 2017</p>
<p>Abt D, Betschart P, Zumstein V, Babst C, Sauter R, Schmid H, Staubli S (2017). Systematisch Entwicklung und Validierung einer Informationsbroschüre zur Harnleiterschienung und der assoziierten Morbidität. Presented at: -, -</p>
<p>Buhmann M, Abt D, Altenried S, Betschart P, Zumstein V, Schmid H, Maniura-Weber K, Ren Q (2017). Entwicklung und Validierung einer abrasions-basierten Methode zur Untersuchung von Biofilmen auf Harnleiterschienen. Presented at: -, -</p>
<p>Abt D, Staubli S, Zumstein V, Babst C, Sauter R, Schmid H, Betschart P (2017). Harnleiterschienung und assoziierte Morbidität: Systematische Entwicklung und Validierung einer Informationsbroschüre. Presented at: -, -</p>
<p>Schmid H, Betschart P, Zumstein V. Das fortgeschrittene Prostatakarzinom in Anbetracht moderner Therapieoptionen. <i>Spectrum Urol</i> 2017; 8:8-9.</p>

Schmid H, Betschart P. Hormonsensitives metastasiertes Prostatakarzinom. Lokale Therapie des Primärtumors. *Leading Opinions Urol* 2017

Betschart P, Schmid H, Abt D. Das ewige Leid mit dem Doppel-J-Katheter. *Schweiz Rundschau Med (PRAXIS)* 2016; 105:323-8.

Betschart P, Schmid H. Infektionen der unteren Harnwege beim Mann. Leitlinien zu Abklärung und Therapie häufiger Erkrankungen. *der informierte @rzt* 2016; 6:14-6.

Betschart P, Staubli S, Schmid H. Neue Methoden der Bildgebung beim Prostatakarzinom. *Leading Opinions Hämatol Onkol* 2015; 11:66-8.

Projects (4)

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

Clinical Studies - Jun 2, 2016 - May 18, 2018

Automatically Closed

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

Fundamental Research - Oct 18, 2015 - May 18, 2018

Automatically Closed

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

Clinical Studies - Oct 10, 2015 - Feb 10, 2018

Automatically Closed

Entwicklung und Validierung einer Patienteninformationsbroschüre zur Harnleiterschienung

Clinical Studies - Jan 18, 2015 - Dec 18, 2016

Automatically Closed