

Joel Funk

Associate Professor of Urology
Chief of Staff, BUMC-South Campus
Associate Director of Peri-Operative Services, BUMCT/S
Chief of Surgical Services, BUMC-South Campus
Director of Urological Surgery – BUMC South Campus
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Chronology of Education

2006-2007	University of Arizona Health Sciences Center Urology – Chief Resident
2003-2006	University of Arizona Health Sciences Center Urology Residency
2002-2003	University of Arizona Health Sciences Center General Surgery Residency
2001-2002	University of Arizona Health Sciences Center General Surgery - Internship
2001	M.D., Northwestern University Feinberg School of Medicine, Chicago, Illinois, United States
1997	B.S., Biology, Aquinas College, Grand Rapids, Michigan, United States

Chronology of Employment

2017 –	Associate Professor of Clinical Surgery, Department of Urology, University of Arizona, Tucson, Arizona
2009 – 2017	Assistant Professor of Clinical Surgery, Department of Urology, University of Arizona, Tucson, Arizona
2007-2009	Prescott Urology Staff Urological Surgeon

Additional Roles and Responsibilities

Start Date: July 2017

Position/Role: Vice Chair-Operations, Surgery

Involved in infrastructure, clinic staffing, physician onboarding, liaison with BUMG
administration and departments, department financial stability and growth, billing and coding
compliance and education to providers

Start Date: December 2015

Position/Role: Chief of Surgery Banner University Medical Center South

Start Date: October 2009

Position/Role: Director of Urological Surgery BUMC South

Honors, Awards and Fellowships

06/2020	Faculty Teaching Award, University of Arizona Department of Urology
11/2019	Clinical Excellence Award, University of Arizona College of Medicine
6/2019	Faculty Teaching Award, University of Arizona Department of Urology
2017	2017 SUFU Best Video Award, Society of Urodynamics, Female Pelvic Medicine & Urogenital Reconstruction, "Total autologous fascia lata anterior repair and vaginal vault suspension: A new technique
2016	Faculty Teaching Award, The University of Arizona Division of Urology
2011	Faculty Teaching Award, University of Arizona, Division of Urology
2011	Best Poster Award for "Factors Influencing Fluid Intake Among Kidney Stone Patients", 58 th Annual Kimbrough Seminar, Seattle, WA
2005	"Best Tip or Trick" Western Section AUA Annual Meeting, Maui, HI
2001	Alpha Omega Alpha Honor Society
1999	Sophomore Medical Student Research Scholar Northwestern University Medical School
1993-1997	Dean's List Aquinas College

Committees

2019	Peer Review Committee-BUMCS
2017-	Academic Technology Alignment Committee. College of Medicine
2017-	Implementation Oversight Committee, College of Medicine
2017-	BUMCS Quality and Safety Council
2016-	BUMCTS Robotics Steering Committee member
2016-2018	Banner University Medical Group-Finance Committee
2015-	BUMCS Medical Executive Committee member
2015-	BUMCS Peri-Operative Services Committee
2015-	BUMCS Outpatient Services Committee
2013-	Member of UMC Catheter-Associated UTI Project Resource Team
2012-	Urology Residency Program Ombudsman
2010- 2015	Credentials Committee-UAHN South Campus
2011-	Physician Well-Being Committee-UAHN South Campus
2014-	University of Arizona, College of Medicine, Continuing Medical Education Committee
5/2012-	Reviewer for Journal of Endourology

Publications/Creative Activity

Scholarly Book Chapters

Funk J, Twiss CO, Michalak J, Kim S. Surgical Techniques for Interstim Placement. Adult and Pediatric Neuromodulation. Springer International; 2017.

Michalak J, Kim S, **Funk J**, Twiss CO. Sacral Neuromodulation for Overactive Bladder. Adult and Pediatric Neuromodulation. Springer International; 2017.

Funk J, Comiter C.; Dynamic MRI in the Evaluation of Pelvic Organ Prolapse; In: Raz and Rodriguez, Ed. Female Urology; 3rd Edition; Elsevier Press 2005

Kim S, Pollack G, **Funk J** Urologic Conditions for the General Surgeon: Benign Disease Processes. Scientific American Surgery:2018

Kim S, Pollack G, **Funk J** Urologic Conditions for the General Surgeon: Malignant Disease Processes. Scientific American Surgery:2018

Funk J, Ullrich N, Ramakumar S.; Urinary Biomarkers for Urologic Malignancy; In: D. Lamm Ed; Genitourinary Oncology; Marcel Drekker; 2005

Journal Articles

Bergersen A, Price E, Callegari M, Austin E, Oduyemi O, Hsu CH, **Funk JT**, Twiss CO. Pain Resolution and Recurrent Prolapse Rates Following Vaginal Mesh Removal. Urology. 2020 Jul 13;S0090-4295(20)30822-0. doi: 10.1016/j.urology.2020.06.057. Epub ahead of print. PMID: 32673676.

Lwin AA, Zeng J, Evans P, Phung MC, Hynes KA, Price ET, Twiss CO, Tzou DT, **Funk JT**. Holmium Laser Enucleation of the Prostate Is Safe and Feasible as a Same Day Surgery. Urology. 2020 pr;38: 119- 124. doi: 10.1016/j.urology.2020.01.014. Epub 2020 Jan 18. PMID: 31962119.

Chaus FM, **Funk JT**, Pangilinan J, Lin FC, Twiss CO. Total Autologous Fascia Lata Anterior and Apiica Pelvic Organ Prolapse Repair: A New Technique and Initial Experience. Urology. 2020 Mar;137:190-195. doi: 10.1016/j.urology.2019.12.015. Epub 2019 Dec 27. PMID: 31883878.

Bergersen A, Hinkel C, **Funk JT**, Twiss CO. Management of Vaginal Mesh Exposure: A Systematic Review. Arab Journal of Urology. 2019 Apr:

Kim S., Pollock G., Twiss CO, **Funk JT**. Surgery for Posterior Compartment Vaginal Prolapse: Graft Augmented Repair. Urology Clinics. 2019 Feb;1(46):87-95.

Funk J, Tzou D. Response to Stutz et al. re: "Management of Suspected Bladder Injury and Capsular Perforation After Holmium Laser Enucleation of the Prostate". Journal of Endourology Case Reports. 2018 Dec;4(1):N/A–Epublication.

Lin FC, **Funk JT**, Arif Tiwari H, Kalb BT, Twiss CO. Dynamic Pelvic MRI Evaluation of Pelvic Organ Prolapse Compared to Physical Exam Findings. Urology. 2018 Sep;119:49–54.

Arif-Tiwari H, Twiss CO, Lin FC, **Funk JT**, Vedantham S, Martin DR, Kalb BT. Improved Detection of Pelvic Organ Prolapse: Comparative Utility of Defecography Phase Sequence to Nondefecography Valsalva Maneuvers in Dynamic Pelvic Floor Magnetic Resonance Imaging. [Curr Probl Diagn Radiol](#). 2018 Aug 23. pii: S0363-0188(18)30112-9. doi: 10.1067/j.cpradiol.2018.08.005. [Epub ahead of print]

Funk J. Management of Suspected Bladder Injury and Capsular Perforation After Holmium Laser Enucleation of the Prostate. *Journal of Endourology Case Reports*. 2018 Jun;4(1):87–90.

Phung MC, Lee BR, **Funk J.** Percutaneous Management of a Pyocystic Fistulizing Continent Urinary Diversion. *Journal of Endourology Case Reports*. 2017. p. 162–164.

Stern K, Satyanarayan A, **Funk, JT.**; Recent Advances and Emerging Technology in the Surgical Management of BPH-Related Voiding Dysfunction; *Current Bladder Dysfunction Reports.*; June; Vol 9, Issue 2: 129-133. 2014

Phull H, Salkini M, Purves T, **Funk J,** Copeland D, and Comiter CV. Angiotensin II plays a role in acute murine experimental autoimmune cystitis. *BJU International*; Sep; 100 (3):664-7. 2007

Ramakumar S, Phull H, **Funk J,** Purves T, Copeland D, Ulreich JB, Lai LW, Lien YH. Novel Delivery of Oligonucleotides using a Topical Hydrogel Tissue Sealant in a Murine Partial Nephrectomy Model. *Journal of Urology*; 174 (3):1133-6. 2005

Funk J, Ramakumar S.; Ipsilateral Testicular Atrophy after Laparoscopic Donor Nephrectomy; Journal of Endourology; 2004

Batler RA, Campbell SC, **Funk JT**, et al.; Hand-Assisted vs. Retroperitoneal Laparoscopic Nephrectomy; Journal of Endourology; 15; (9); 899-902; 2001

Scholarly Presentations

- Fall 2017 Surgery Grand Rounds, HoLEP: A Guide to the New Gold Standard for Benign Prostate Obstruction
- Fall 2016 Mayo-Scottsdale, Endourology & Female Urology Didactic & Practical Course, Primary Instructor: Joel Funk, Hours Taught: 1.5
Urology Conference Lecture, Surgical Management of BPH Utilizing Holmium Laser
- Spring 2016 Grand Rounds Lecture
- Fall 2015 Grand Rounds Lecture
- Fall 2015 Mayo-Scottsdale, Mayo-Scottsdale Holmium Laser in Urologic Surgery Didactic and Practical Course
- Spring 2014 Mayo-Scottsdale, Mayo-Scottsdale Holmium Laser Academy

Abstract Poster Presentations

Lwin A, Pangilinan J, LaGrandeur J, Hynes K, Phung M, Price E, Twiss CO, **Funk J**. Holmium Laser Enucleation of the Prostate: Perioperative Outcomes for Same Day Procedures. World Congress of Endourology, Sept. 2018

Bergersen A, Price E, Callegari M, Austin E, Oduyemi O, **Funk J**, Twiss CO. Symptom Resolution and Recurrent Prolapse Rates Following Vaginal Mesh Removal. SUFU February, 2018.

Bergerson A, Austin E, Bricklin L, Price E, **Funk J**, Twiss CO. Impact of Transvaginal Mesh Removal on Vaginal Pain, Urinary Incontinence, and Pelvic Organ Prolapse. 2017 Summer

Funk J, Twiss CO, Craig M, Lin F. Total Autologous Prolapse Repair Using Fascia Lata: A Novel Technique. Society of Urodynamics, Female Pelvic Medicine and Urogenital Reconstructive Surgery 2017 Meeting. 2017 Feb

Twiss CO, Craig M, Lin F, **Funk J**. Total Autologous Fascia Lata Anterior Repair and Apical Suspension: A Novel Technique. American Urology Association's 2017 Annual Meeting. 2017 May

Twiss CO, Craig M, Lin F, **Funk J**. Total Autologous Fascia Lata Anterior Repair and Apical Suspension: A Novel Technique. Society of Urodynamics, Female Pelvic Medicine and Urogenital Reconstructive Surgery 2017 Meeting. 2017 Feb

John Michalak, Christian Twiss, Matt Gretzer, Jonathan Walker, **Joel Funk**, "The Impact of Surgical Masks on the Rate of Postoperative Urinary Tract Infection After Cystoscopic Urologic Surgery" World Congress of Endourology Annual Meeting Cape Town, South Africa, November 2016

John Michalak, Christian Twiss, Matt Gretzer, Jonathan Walker, **Joel Funk**, "Mask Use in Endoscopy and Cystoscopy, Do They Affect Infection Rates? Western Section American Urological Society Annual Meeting, Kauai, HI, October 2016

Funk JT. Difficult and Challenging Cases: Expert Panel in the Use of Holmium Laser. American Urological Society 2016 Annual Meeting. 2016 May

Hina Arif Mumtaz, Bobby Kalb, **Joel Funk**, Diego Martin, Christian Twiss, "Comparison of Defocography Phase to Non-Defocography Valsalva Maneuver in Dynamic Pelvic Floor MRI." Canadian

Annual Radiology Meeting, April 14-17, 2016.

Elizabeth Tourville E, **Joel Funk**, Christian Twiss, “Validation of the SEAPI-S Questionnaire” Society of Urodynamics, Female Pelvic Medicine, and Urogenital Reconstruction Winter Meeting, Scottsdale, AZ, February 2015.

AJ Dyer, Arthi Satyanarayan, **Joel Funk**, Christian Twiss, “Comparison of Success and Complication Rates of the Distal Urethral Polypropylene Sling (DUPS) and the MiniArc Sling for Female Stress Incontinence.” Society of Urodynamics, Female Pelvic Medicine, and Urogenital Reconstruction Meeting, Miami, FL, February 2014.

Hina Arif Mumtaz, Bobby Kalb, **Joel Funk**, Diego Martin, Christian Twiss, “Addition of a Defecography Phase to Dynamic Pelvic MRI Enhances Detection and Visualization of Pelvic Organ Prolapse.” Society of Urodynamics, Female Pelvic Medicine, and Urogenital Reconstruction Meeting, Miami, FL, February 2014.

Hina Arif Mumtaz, Bobby Kalb, **Joel Funk**, Diego Martin, Christian Twiss, “Addition of a Defecography Phase to Dynamic Pelvic MRI Enhances Detection and Visualization of Pelvic Organ Prolapse.” American Urological Association Meeting, Orlando, FL, May 2014.

Peer Reviewed Abstract Presentation

Fahad Chaus, Jayce Pangilinan, Joel **Funk**, Chris Twiss. Total Autologous Fascia Lata Anterior and Apical Pelvic Organ Prolapse Repair: Experience in thirty-three patients. Western Section, AUA. October, 2018

Batai K, Phung M, Bell R, Lwin A, Hynes K, Price E, Bracamonte E, **Funk JT**. Clinical Characteristics and gene expression associated with pre-operative prostate volume in patients undergoing holmium enucleation of the prostate (HoLEP) for benign prostatic hyperplasia. World Congress of Endourology, Sept. 2018

Batai K, Phung M, Bell R, Lwin A, Hynes K, Price E, Bracamonte E, **Funk JT**. Clinical Characteristics and gene expression associated with pre-operative prostate volume in patients undergoing holmium enucleation of the prostate (HoLEP) for benign prostatic hyperplasia. American Urological Association Conference, May 2018

Twiss CO, Lin F, **Funk J**. Video Submission: Total Autologous Fascia Lata Sacrocolpopexy. SUFU 2018 Winter.

Batai K, Phung M, Bell R, Lwin A, Hynes K, Price E, Bracamonte ER, **Funk J**. Clinical characteristics and gene expression associated with pre-operative prostate volume in patients undergoing holmium enucleation of the prostate (HoLEP) surgery for a treatment of benign prostatic hyperplasia. American Urological Association; 2018 May. Accepted

Batai K, Phung M, Bell R, Lwin A, Hynes K, Price E, Bracamonte ER, **Funk J**. Clinical characteristics and gene expression associated with pre-operative prostate volume in patients undergoing holmium enucleation of the prostate (HoLEP) surgery for a treatment of benign prostatic hyperplasia. American Urological Association; 2018 May. Accepted

Lin F, Arif Tiwari H, Kalb B, Funk J, Twiss CO. Dynamic Pelvic MRI in the Evaluation of Pelvic Organ Prolapse and Correlation with Physical Exam Findings. 2017 May, AUA.

Arif Tiwari H, Costello JR, **Funk J**, Kalb BT, Martin DR, Meshksar A, Petkovska I, Czeyda-Pommersheim F, Twiss CO. Comparative Evaluation of Defecography Phase to Non-Defecography Valsalva Maneuver in Dynamic Pelvic Floor MRI. 2016 Apr.

“Use of Holmium Laser for Urolume Stent Removal”, DVD session, Western Section American Urological Association Annual Meeting, Waikoloa, Hawaii. 10/2012

“Transurethral Laser Excision of Mid-urethral Sling Erosion and Associated Massive Bladder Calculus”,

Grants

<u>Title</u>	<u>Sponsor</u>	<u>Award Date</u>	<u>Status</u>	<u>Funding</u>	<u>Role</u>
Identification of predictive genetic and histological markers in the progression of benign prostatic hyperplasia	Arizona Area Health Education Centers (AHEC)	Spring 2017	Funded	\$10,000	PI
Transforming Prostate Cancer Care: Development of novel non-invasive multi-parametric MRI (mpMRI) and MR-directed Ultrasound-guided (MRdUSg) prostate biopsy techniques for detection of early prostate carcinoma expressing aggressive histological and molecular features	American Cancer Society IRG	Fall 2017	Funded	\$30,000	CO PI
Improved Detection and Localization Accuracy of Early Aggressive Prostate Adenocarcinoma using Novel MR-directed Ultrasound-guided (MRdUSg) Prostate Biopsy Technique	University of Arizona Clinical Research Oversight Council	Spring 2019	Funded	\$57,252	CO PI