

CURRICULUM VITAE

Davis P. Viprakasit, MD

Education:

7/2009 – 06/2011	Vanderbilt University Laparoscopy/Robotics/Endourology Fellowship Department of Urologic Surgery Nashville, TN
07/2008 – 06/2009	Northwestern University Feinberg School of Medicine Chief Resident Department of Urology Chicago, Illinois
7/2005 to 6/2008	Northwestern University Feinberg School of Medicine Resident Department of Urology Chicago, Illinois
6/2003 to 6/2005	Northwestern University Feinberg School of Medicine Internship Department of General Surgery Chicago, Illinois
8/1999 to 5/2003	Northwestern University Feinberg School of Medicine Doctor of Medicine Chicago, Illinois
9/1995 to 6/1999	Northwestern University Bachelor of Science in Biomedical Engineering Evanston, Illinois

Certifications

North Carolina State Medical License
Tennessee State Medical License
Illinois State Medical License

Professional Experience:

08/2011 – present	UNC Chapel Hill Visiting Assistant Professor Division of Urologic Surgery
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Department of Surgery
Chapel Hill, NC

7/2009 to 06/2011

Vanderbilt University
Instructor
Department of Urologic Surgery
Nashville, TN

Honors and Awards:

2011 Best Clinical Poster at the International Kidney Stone Institute Advanced Stone Workshop
2007 Leander Riba Urological Research Fellowship Award
2006 Vincent J. O'Connor Sr Award for Excellence in Teaching in Urology
2000 Northwestern University Buehler Center on Aging Research Award
1999 Magna Cum Laude, Tau Beta Pi National Engineering Honor Society, Alpha Lambda Delta National Honor Society
1999 Northwestern University Department of Biomedical Engineering Award for Best Senior Design Project

Bibliography:

Book Chapters

Viprakasit DP and Schaeffer AJ. Renal and Retroperitoneal Abscesses. In: Graham S and Keane T, eds. Glenn's Urologic Surgery (Seventh Edition). Philadelphia: Lippincott Williams & Wilkins; 2010: 51-58.

Heraly B, Viprakasit D, and Johnston W. The Future of Teleradiology in Medicine is Here Today. In: Kumar S, ed. Teleradiology. Berlin: Springer-Verlag; 2008: 11-20.

In press/submitted:

Viprakasit DP and Herrell SD. Endoscopic Management of Ureteroenteric Strictures. In: Smith AD, Preminger G, Badlani G and Kavoussi L, eds. Smith's Textbook of Endourology (Third Edition). Oxford: Wiley-Blackwell; 2011: 481-494 (in print)

Viprakasit DP and Miller NL. Upper Calyx Access for Percutaneous Nephrolithotomy. In: Smith AD, Preminger G, Badlani G and Kavoussi L, eds. Smith's Textbook of Endourology (Third Edition). Oxford: Wiley-Blackwell; 2011: 206-213 (in print)

Refereed Articles

Viprakasit DP, Sawyer MD, Herrell SD, Miller NL. Changing composition of staghorn calculi. J Urol. 2011 Dec;186(6):2285-90.

Viprakasit DP, Sawyer MD, Herrell SD, Miller NL. Limitations of Renal Ultrasound in the Evaluation of Urolithiasis: A Correlation with Computed Tomography. J Endourol. 2011 Oct 19.

Viprakasit DP, Derweesh I, Wong C, Su LM, Stroup SP, Bazzi W, Strom KH, Herrell SD. Selective Renal Parenchymal Clamping in Robotic-Assisted Laparoscopic Partial Nephrectomy: A Multi-Institutional Experience. J Endourol 2011 Sep; 25(9): 1487-91.

Warner JN, Nunez RN, Tyson MD, Viprakasit DP, Miller NL, Humphreys MR. A Multiinstitutional Study of the Effects of Medical Therapy for Lower Urinary Symptoms on the Perioperative Outcomes of Holmium Laser Enucleation of the Prostate. Urology. 2011 Aug 24. [Epub ahead of print]

Altamar HO, Ong RE, Glisson CL, Viprakasit DP, Herrell SD, Galloway RL. Kidney Deformation and Intraprocedural Registration: A Study of Elements of Image-Guided Kidney Surgery. J Endourol 2011 Mar; 25(3): 511-7. Epub 2010 Dec 13. PMID: 21142942

Ong R, Glisson C, Altamar H, Viprakasit D, Clark P, Herrell SD, Galloway RL. Intraprocedural Registration for Image-Guided Surgery. IEEE/ASME Transactions on Mechatronics 2010; 15(6): 847-52.

Kijvikai K, Viprakasit DP, Milhoua P, Clark PE, Herrell SD. A Simple and Effective Method of Creating Laparoscopic Renal Protective Hypothermia with Cold Saline Surface Irrigation: Clinical Application and Assessment. J Urol 2010 Nov; 184(5): 1861-6.

Viprakasit DP, Altamar HO, Miller NL, Herrell SD. Intraoperative Retrograde Ureteral Stent Placement and Manipulation During Laparoscopic Pyeloplasty Without Need for Patient Repositioning. J Endourol 2010 Oct; 24(10): 1571-4.

Viprakasit DP, Altamar HO, Miller NL, Herrell SD. Selective Renal Parenchymal Clamping in Robotic Partial Nephrectomy: Initial Experience. Urology 2010 Sep; 76(3): 750-3.

Wu SD, Viprakasit DP, Cashy J, Smith ND, Perry KT, Nadler RB. Radiofrequency ablation-assisted robotic laparoscopic partial nephrectomy without renal hilar vessel clamping versus laparoscopic partial nephrectomy: A comparison of perioperative outcomes. J Endourol 2010 Mar; 24(3): 385-91.

Viprakasit DP, Macejko AM, Nadler RB. Laparoscopic Nephroureterectomy and Management of the Distal Ureter: A Review of Current Techniques and Outcomes. Adv Urol 2009: 721371. Epub 2009 Jan 8.

Macejko AM, Viprakasit DP, Nadler RB. Cytoscope- and Robotic-assisted Laparoscopic Bladder Diverticulectomy: Technical Considerations. J Endourol 2008 Oct; 22(10): 2389-2391. Discussion 2391-2.

Loeb S, Roehl KA, Viprakasit DP, Catalona WJ. Long-Term Rates of Undetectable PSA with Initial Observation and Delayed Salvage Radiotherapy after Radical Prostatectomy. Eur Urol 2008 Jul; 54(1): 88-94.

Viprakasit DP, Turner G, Goldschmidt RA, Keeler TC. Primary Upper Tract Urothelial Carcinoma with Thyroid-like Features. Int J Urol 2008 Jul; 15(7): 636-638.

Viprakasit DP, Gonzalez CM. Gardnerella vaginalis Infection of the Urethra After Second-Stage Urethroplasty. Issues in Urology 2006; 18(3): 137-139.

Viprakasit DP, Clemens JQ. Use of resectoscope to aid in bladder stone extraction. Urology 2005 Jun; 65(6): 1219-1220.

Viprakasit DP. Balancing their budget: The potential ethical decision facing skilled nursing facilities. Topics in Stroke Rehabilitation 2000; 7(3): 67-70.

In press/submitted:

Viprakasit DP, Miller NL, Herrell SD, Penson DF. Compliance with Recommendations in the Metabolic Evaluation of Nephrolithiasis: A Survey of the American Urological Association. BJU Int 2011; 22 pages (submitted)

Sawyer MD, Anderson CB, Viprakasit DP, Dietrich MS, Herrell SD, Miller NL. An individualized weight based goal urine volume model significantly improves expected calcium concentrations relative to a 2 liter goal urine volume. Kidney Int 2012; 16 pages (submitted)

Refereed Unpublished Oral Presentations and Abstracts

Sawyer MD, Broughton G, Viprakasit DP, Miller NL Herrell SD. Microlaparoscopic Renal Stone Extraction: Demonstration of a Combined Procedure with Microlaparoscopic Pyeloplasty using a Short Ureteroscope. To be presented at the Southeast Section of the American Urological Association, Amelia Island, FL, 2012

Sawyer MD, Viprakasit DP, Herrell SD, Miller NL. Novel Short Flexible Ureteroscope: Evaluation of the Karl Storz Short Flex-X2™ for Percutaneous Nephrolithotomy in Setting of Indundibular Stenosis. To be presented at the Southeast Section of the American Urological Association, Amelia Island, FL, 2012

Sawyer MD, Anderson CB, Viprakasit DP, Herrell SD, Miller NL. Body weight increases 24 hour urinary calcium excretion in renal stone formers: Implications for treatment including a novel model for individualized goal urine output. To be presented at the Southeast Section of the American Urological Association, Amelia Island, FL, 2012

Sawyer MD, Pickens RB, Viprakasit DP, Herrell SD, Miller NL. Sodium excretion and total body weight are significant predictors of total urinary calcium excretion. To be presented at the Southeast Section of the American Urological Association, Amelia Island, FL, 2012

Enemchukwu E, Pickens RB, Sawyer MD, Viprakasit DP, Miller NL. Holmium laser enucleation: A single center experience. To be presented at the Southeast Section of the American Urological Association, Amelia Island, FL, 2012

Pickens RB, Sawyer MD, Viprakasit DP, Miller NL. Holmium laser enucleation of the prostate in men with urinary retention. To be presented at the Southeast Section of the American Urological Association, Amelia Island, FL, 2012

Viprakasit DP, Sawyer MD, Glisson CL, Ong RE, Galloway RL, Miller NL, Herrell SD. Semi-automated Volumetric Measurement of Renal Stones: A Simple and More Complete Description of Stone Burden. Presented at the American Urological Association Annual Meeting, Washington DC, 2011. Presented at the International Kidney Stone Institute Advanced Stone Workshop, Indianapolis, IN 2011.

Sawyer MD, Anderson CB, Viprakasit DP, Herrell SD, Miller NL. A Novel Conceptual Model For Individualized Goal Urine Output To Prevent Stone Recurrence. Presented at the American Urological Association Annual Meeting, Washington DC, 2011. Presented at the International Kidney Stone Institute Advanced Stone Workshop, Indianapolis, IN 2011.

Viprakasit DP, Miller NL, Herrell SD, Penson DF. Compliance with Recommendations in the Metabolic Evaluation of Nephrolithiasis: A Survey of the American Urological Association. Presented at the American Urological Association Annual Meeting, Washington DC, 2011. Presented at the International Kidney Stone Institute Advanced Stone Workshop, Indianapolis, IN 2011.

Viprakasit DP, Sawyer MD, Herrell SD, Miller NL. Limitations of Renal Ultrasound in the Evaluation of Urolithiasis: A Correlation with Computed Tomography. Presented at the American Urological Association Annual Meeting, Washington DC, 2011. Presented at the International Kidney Stone Institute Advanced Stone Workshop, Indianapolis, IN 2011.

Viprakasit DP, Altamar HO, Herrell SD, Miller NL. Changing Composition of Staghorn Calculi. Presented at the World Congress of Endourology, Chicago, IL, 2010. Presented at the International Kidney Stone Institute Advanced Stone Workshop, Indianapolis, IN 2011.

Viprakasit DP, Nunez R, Humphreys MR, Miller NL. Incidental Prostate Cancer During Holmium Laser Enucleation of the Prostate: A Multi-Institutional Study. Presented at the World Congress of Endourology, Chicago, IL, 2010. Presented at the Southeast Section of the American Urological Association, New Orleans, LA, 2011.

Viprakasit DP, Clayton DB, Thomas JC, Miller NL. Profile of the Pediatric Brushite Stone Former. Presented at the World Congress of Endourology, Chicago, IL, 2010. Presented at the Southeast Section of the American Urological Association, New Orleans, LA, 2011.

Viprakasit DP, Altamar HO, Miller NL, Herrell SD. Microlaparoscopic Hybrid Pyeloplasty: New Techniques in Minimally Invasive Complex Renal Reconstructive Surgery. Presented at the World Congress of Endourology, Chicago, IL, 2010. Presented at the Southeast Section of the American Urological Association, New Orleans, LA, 2011.

Viprakasit DP, Derweesh I, Wong C, Stroup SP, Bazzi W, Strom KH, Gu X, Herrell SD. Selective Renal Parenchymal Clamping in Robotic-Assisted Laparoscopic Partial Nephrectomy: A Multi-Institutional Experience. Presented at the World Congress of Endourology, Chicago, IL, 2010.

Viprakasit DP, Altamar HO, Miller NL, Herrell SD. Selective Renal Parenchymal Clamping in Robotic Partial Nephrectomy: Initial Experience. Presented at the Southeast Section of the American Urological Association, Miami, FL, 2010. Presented at the American Urological Association Annual Meeting, San Francisco, CA, 2010.

Viprakasit DP, Altamar HO, Herrell SD, Miller NL. Complete Staghorn Calculi are not Synonymous with Struvite Stones: The Incidence of Metabolic Stones in a Contemporary Series. Presented at the American Urological Association Annual Meeting, San Francisco, CA, 2010.

Nunez-Nateras R, Viprakasit DP, Miller NL, Humphreys MR. Holmium Laser Enucleation of the Prostate (HoLEP): The Initial Results of a Multi-Institutional Adoption of the Technique. Presented at the American Urological Association Annual Meeting, San Francisco, CA, 2010.

Viprakasit DP, Altamar HO, Miller NL. Holmium Laser Enucleation of the Prostate (HoLEP): Impact of the Learning Curve Following Fellowship Training. Presented at the Southeast Section of the American Urological Association, Miami, FL, 2010.

Altamar HO, Viprakasit DP, Herrell SD, Whittam B. Microlaparoscopic 2-mm Hybrid Laparoscopic Pyeloplasty: An Evolving Approach in Minimally Invasive Complex Renal Reconstructive Surgery. Presented at the Southeast Section of the American Urological Association, Miami, FL, 2010.

Wu SD, Viprakasit DP, Smith ND, Perry KT, Rebuck D, Nadler RB. Radiofrequency ablation-assisted robotic laparoscopic partial nephrectomy without renal hilar vessel clamping versus laparoscopic partial nephrectomy: A comparison of perioperative outcomes. Presented at the World Congress of Endourology, Munich, Germany, 2009.

Viprakasit DP, Kim J, Gupta J, Zhang Z, Heraly B, Walsh JT, Seth S, Johnston WK. Development of Fluorescent Imaging to Aid in Tissue Differentiation during Laparoscopic Prostate Cancer Surgery. Presented at the American Urological Association Annual Meeting, Chicago, IL, 2009.

Loeb S, Roehl KA, Viprakasit DP, Catalona WJ. Long-Term Biochemical "Cure" Rates with Initial Observation and Delayed Salvage Radiotherapy after Radical Prostatectomy for High-Risk Prostate Cancer. Presented at the American Urological Association Annual Meeting, Orlando, FL, 2008.

Viprakasit DP, Lesani A, Perry KT, Nadler RB. Prospective Randomized Study of the Impact Between Two Small Diameter Ureteral Stents Using Symptoms and Quality of Life. Presented at the World Congress of Endourology, Cancun, Mexico, 2007. Presented at the North Central Section of the American Urological Association, Chicago, IL, 2008.

Nadler RB, Perry K, Viprakasit DP, Macejko A, Lesani OA, Smith ND. Laparoscopic Partial Nephrectomy Using Intraoperative Ultrasound-guided Bipolar Radiofrequency Ablation: A Method of Nephron-sparing Surgery Without Ischemia. Presented at the World Congress of Endourology, Cancun, Mexico, 2007. Presented at the North Central Section of the American Urological Association, Chicago, IL, 2008.

Corbin N, John R, Viprakasit DP, Okotie O, Heraly B, Johnston III WK. Development of Software for Live and TeleMentoring During Robotic-Assisted Laparoscopic Prostatectomy. Presented at the World Congress of Endourology, Cancun, Mexico, 2007.

Viprakasit DP, Loeb S, Roehl KA, Graif TM, Catalona WJ. Tumor Characteristics of Patients Who Did and Those Who Did Not have Biochemical Progression after Adjuvant or Salvage Postoperative Radiotherapy. Presented at the American Urological Association Annual Meeting, Anaheim, CA, 2007.

Loeb S, Roehl KA, Graif TM, Viprakasit DP, Gashti SN, Thaxton CS, Helfand BT, Catalona WJ. Percentage and Tumor Features of Patients Who Develop Undetectable PSA Levels After Salvage Radiotherapy. Presented at the American Urological Association Annual Meeting, Anaheim, CA, 2007.

Loeb S, Roehl KA, Graif TM, Viprakasit DP, Catalona WJ, Nadler RB. PSA Velocity Threshold for Predicting Prostate Cancer in Young Men with PSA < 4ng/ml. Presented at the American Urological Association Annual Meeting, Atlanta, GA, 2006.

Viprakasit D, Gupta R, Brannigan R. A Report of plasmacytoma of the testis and a twenty-five year review of a tumor board registry. Presented at the North Central Section of the American Urological Association, Chicago, IL, 2002.

Viprakasit DP, Savage TA, Wolf PM, Kirschner, KL. Changes in Skilled Nursing Facility Placements in Response to the Balanced Budget Act of 1997. Presented at the American Geriatrics Society Annual Scientific Meeting, Chicago, IL, 2001.

“Skilled nursing facility placements in response to the Medicare Balanced Budget Act.” Northwestern University Institute for Health Services Research and Policy Studies seminar series, Invited Speaker. Chicago, IL, October, 2000.

Teaching Record:

Lecture to Urology Residents

- Shock wave lithotripsy and Ureteropelvic junction obstruction management (2009-2011)

Grand Rounds

- Medical Management of Urolithiasis presented at the Vanderbilt Urologic Society 2010 Rhamy Shelley Annual Meeting, New York University Department of Urology (2010), UNC Division of Urology (2011)
- Presentations of various urologic topics at the Northwestern University Department of Urology Grand Rounds – Four presentations per year (2004-2009)

Clinical Teaching

- Education of medical students and urology residents on clinical rotations in clinic, wards and operating room (2004-2011)

Grants:

None

Professional Service:

None

Reflective Statement:

Building upon my previous experiences and training, I hope to further develop urologic practices that both improve the care I provide to my patients as well as contribute to the knowledge of the field itself. My clinical and research interests relate to minimally invasive approaches. Following completion of residency training in urology and additional fellowship training, I have extensive experience with advanced laparoscopic / robotic techniques, treatment of complex urolithiasis including performing percutaneous access to the kidney and BPH therapy using the highly technical holmium laser enucleation of the prostate. During fellowship, I have also obtained an advanced understanding with metabolic stone evaluations and recently partnered with our national association to administer an international study of current stone practices. In the future, I am interested in developing a renowned comprehensive metabolic urolithiasis clinic that focuses on stone prevention through a partnership with colleagues in nutrition and nephrology as well as offer the complete complement of stone treatments. I hope to also utilize specialized surgical techniques including needlescopic laparoscopy, enucleation and urologic needle access to the kidney from my fellowship training to my clinical practice.

My undergraduate background is in biomedical engineering, and this interest has continued throughout my medical training. As part of my urologic residency, I developed an independent research project investigating a novel real-time fluorescent imaging technique during laparoscopic surgery. During fellowship, my research focus involves image-guided surgery for renal and prostatic diseases and instrument / device development. Through close collaboration with experts in biomedical, chemical and mechanical engineering, I am involved in multiple on-going projects that have resulted in several publications and presentations. I intend to

continue seeking out these relationships to further develop novel technology and new surgical approaches for both endourology and laparoscopy.

In addition to clinical and basic science research, teaching has also been an integral part of my training. I have been involved in several formal presentations and grand rounds as well as clinical teaching in the clinics, wards, and operating rooms. I have previously been recognized for my contribution to medical student teaching during my training. I have greatly enjoyed the peer instruction and camaraderie amongst fellows, residents and students, as well as the formal didactics by faculty. I believe that teaching, even in a surgical field, can be performed in manner that maximizes the insights of the students and provides stimulation to increase their interest in the subject and field. I additionally believe that I can continue to learn and grow through these interactions. I look forward to furthering these experiences by assisting in the training of medical students, residents and fellows.