

22 March 2018

CURRICULUM VITAE
NOAH S. SCHENKMAN, M.D.

Department of Urology
Box 800422
Charlottesville, VA 22908-0422

Phone: 434-243-9325
e-mail: nss2f@virginia.edu

EDUCATION

- 1980 Johns Hopkins University, Baltimore, Maryland
B.A. with Honors
- 1984 Mount Sinai School of Medicine, New York, New York
M.D.
- 1985 Mount Sinai Medical Center, New York, New York
Surgical Internship
- 1995 Walter Reed Army Medical Center, Washington, D.C.
Urology Residency
- 1998 University of California, San Francisco, California
Endourology Fellowship

MILITARY

- 1976-80 ROTC, Johns Hopkins University, Baltimore, Maryland
Four Year Scholarship Award
- 1985-86 General Medical Officer, 3rd General Dispensary, Karlsruhe, Germany
- 1986-88 Commander, 761st Medical Detachment, Knielingen, Germany
- 1988-90 General Medical Officer, Urology Service, Walter Reed Army Medical Center, Washington, D.C.
- 1990-95 Urology Resident, Urology Service, Walter Reed Army Medical Center, Washington, D.C.
- 1995-97 Staff Urologist, Naval Medical Center, Portsmouth, Virginia
- 1997-98 Endourology Fellow, University of California, San Francisco, California
- 1998-99 Chief, Urology Service, DeWitt Army Community Hospital, Ft. Belvoir, Virginia
- 1999-2004 Chief, Minimally Invasive Urology Center and Assistant Chief of Urology Service, Walter Reed Army Medical Center, Washington, D.C.
- 2004-2006 Chief, Urology Service, Walter Reed Army Medical Center, Washington, D.C.

AWARDS

- 1988 Army Commendation Medal
- 1990 Army Commendation Medal , 1st Oak Leaf Cluster
- 1995 Army Commendation Medal , 2nd Oak Leaf Cluster
- 2002 Surgeon General's "A" Proficiency Designator for Clinical Expertise in Urology

2003 U.S. Army Meritorious Service Medal
2006 U.S. Army Legion of Merit Medal
2007 University of Virginia Department of Urology Resident Teaching Award
2009 University of Virginia Academy of Distinguished Educators
2009 University of Virginia Dean's Award for Clinical Excellence
2010 University of Virginia Department of Urology Resident Teaching Award

LICENSURE

1985 National Board of Medical Examiners
1986 New York State License
1997 Diplomate, American Board of Urology
2005 Recertification, American Board of Urology
2006 Virginia State License

APPOINTMENTS

1994-1997 Instructor in Surgery, Uniformed Services University of Health Sciences, Bethesda, Maryland
1997-98 Clinical Instructor, Urology, University of California, San Francisco, California
1998-2005 Clinical Assistant Professor in Surgery, Uniformed Services University of Health Sciences, Bethesda, Maryland
2005-2006 Clinical Associate Professor in Surgery, Uniformed Services University of Health Sciences, Bethesda, Maryland
2006-Present Associate Professor, Department of Urology, University of Virginia, Charlottesville, VA
2013-Present Residency program director, Department of Urology, University of Virginia, Charlottesville, VA

PROFESSIONAL SOCIETIES

American Urological Association
Mid Atlantic Section American Urological Association
Virginia Urologic Society
Society of Endourology
Society of Government Service Urologists
Society of Academic Urologists
American Association of Clinical Urologists

Professional Society Leadership Positions

Washington Urologic Society

Treasurer 2002-2003

Secretary 2003-2004

President 2004-2005

Virginia Urologic Society

Second Vice-President 2008- 2009

First Vice-President 2009- 2010

President elect 2010-2011

President 2011-2012

Mid-Atlantic Section of the American Urologic Association

Board Member 2010- 2013

COMMITTEES AND APPOINTMENTS

- 2000- 2004 Assistant Chief of Urology, Walter Reed Army Medical Center
- 2000- 2006 Clinical Investigation Committee (IRB), Walter Reed Army Medical Center
- 2001- 2006 Assistant Chairman, Innovative Surgery Committee, Walter Reed Army Medical Center
- 2003- 2006 Human Use Research Committee (IRB), Walter Reed Army Medical Center
- 2003- 2004 Quality Assurance Coordinator, Urology Service, Walter Reed Army Medical Center
- 2004- 2006 Member, Oversight Board, Center for Prostate Disease Research, Rockville, MD
- 2006- 2007 Intraoperative Imaging Task Force, University of Virginia Medical Center
- 2007-present Continuing Medical Education Committee, University of Virginia Medical Center
- 2007-2008 Dean's Educational Task Force, University of Virginia Medical Center
- 2007-2011 Chair, Robot User's Group, University of Virginia Medical Center
- 2008 Acting Residency Program Director, Department of Urology, University of Virginia Medical Center (August-December 2008)
- 2009-present Urology Thread Leader, Cells to Society Curriculum Development, University of Virginia
- 2013- present Human Health Resources for Rwanda Initiative, Urology
- 2014 Dean's Task Force, Faculty Development subcommittee
- 2015- present Faculty Affairs and Development Advisory Committee

JOURNAL PUBLICATIONS

Schenkman, NS; Tarras, SC; Boesch, RR; Mulvihill, MN; Caroscio, JT; "Amyotrophic Lateral Sclerosis and Pet Exposure" (letter), NEW ENGLAND JOURNAL OF MEDICINE, 309:244,1983.

Tarras, SC; Schenkman, NS; Boesch, RR; Mulvihill, MN; Caroscio, JT; "ALS and Pet Exposure", NEUROLOGY, 35(5): 717-20, 1985.

Schenkman, NS; Moul, JW; Nicely, ER; Maggio, MI; "Synchronous Bilateral Testis Tumor: Mixed Germ Cell Tumor and Theca Cell Tumor", UROLOGY: 42 (5): 593-95, 1993.

Schenkman, NS; Irby, PB; Fernandez, EB; Wind, G; "Inverted Y Duplication of the Ureter Associated with a Distal Limb Ectopic to the Seminal Vesicle", JOURNAL OF UROLOGY, 152 (3): 946-47, 1994.

Schenkman, NS; Sesterhenn, IA; Washington, L; Tong, YA; Weghorst, CM; Buzard, GS, Srivastava, S; Moul, JW; "Increased p53 Protein does not Correlate to p53 Gene Mutations in Microdissected Human Testicular Germ Cell Tumors", JOURNAL OF UROLOGY, 154 (2): 617-21, 1995.

Morgan TO Jr, Schenkman NS, Peppas DS, Rueda-Pedraza EM, Shriver CD, Costabile RA. Pelvic clear cell adenocarcinoma in a 14-year-old boy. JOURNAL OF UROLOGY, 155(6): 2062-2063, 1996.

Moul JW, Maygarden SJ, Ware JL, Mohler JL, Maher PD, Schenkman NS, Ho CK. Cathepsin D and epidermal growth factor receptor immunohistochemistry does not predict recurrence of prostate cancer in patients undergoing radical prostatectomy. JOURNAL OF UROLOGY 155(3): 982-985, 1996.

Berg NB, Schenkman NS, Skoog SJ, Davis CJ. Testicular masses associated with congenital adrenal hyperplasia: MRI findings UROLOGY 47(2): 252-253, 1996.

Heidenreich A, Schenkman NS, Sesterhenn IA, Mostofi FK, Moul JW, Srivastava S, Engelman UH. Immunohistochemical and mutational analysis of the p53 tumour suppressor gene and the bcl-2 oncogene in primary testicular germ cell tumours. APMIS 106(1):90-99, 1998.

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Schenkman NS, Stoller ML; Urolithiasis. WESTERN JOURNAL OF MEDICINE. 169(2):110-1, 1998.

Schenkman NS, Costa JC, Stoller,ML:Gastropyloplasty: a swine model. UROLOGY 53(3):647-52, 1999.

Schwartz BF, Schenkman NS, Stoller, ML; Imaging characteristics of indinavir calculi. JOURNAL OF UROLOGY 161(4):1085-7, 1999.

Schenkman NS: Case no.3. Right flank pain. Crixivan lithiasis. TECHNIQUES IN UROLOGY 5(1): 59-60, 1999.

Schwartz, BF; Schenkman, NS; Stoller, ML: "Gahat, a Nepalese Cure for Urolithiasis?"UROLOGY, 56: 912-914, 2000.

Borboroglu PG, Amling CL, Schenkman NS, Monga M, Ward JF, Piper NY, Bishoff JT, Kane CJ. Ureteral stenting after ureteroscopy for distal ureteral calculi: a multi-institutional prospective randomized controlled study assessing pain, outcomes and complications. JOURNAL OF UROLOGY 166 (5);1651-7,2001.

McBroom S, Schenkman NS, Stoller ML. Retained Laser Fiber Ureteral Calculus. UROLOGY 58 (2); 277-278, 2001.

Schwartz BF, Schenkman NS, Bruce JE, Leslie SW, Stoller ML, Calcium nephrolithiasis: effect of water hardness on urinary electrolytes. UROLOGY. 2002 Jul;60(1):23-7.

Stoller ML and Schenkman NS,Re: Gastric patch pyeloplasty: development of an animal model to produce upper tract urinary acidification for treating struvite urinary calculi. J Urol. 2002 Apr;167(4):1800.

Merrell RC, Jarrell BE, Schenkman NS, Schoener B, McCullough K., Telemedicine for the operating room of the future. SEMIN LAPAROSCOP SURG. 2003 Jun;10(2):91-4.

Petroski RA, Griewe GL, Schenkman NS. Delayed life-threatening hemorrhage after transrectal prostate needle biopsy. PROSTATE CANCER PROSTATIC DIS.. 2003;6(2):190-2.

Abbott KC, Schenkman N, Swanson SJ, Agodoa LY, Hospitalized nephrolithiasis after renal transplantation in the United States. AM J TRANSPLANT. 2003 Apr;3(4):465-70.

McConnell JD, Roehrborn CG, Bautista OM, Andriole GL Jr, Dixon CM, Kusek JW, Lepor H, McVary KT, Nyberg LM Jr, Clarke HS, Crawford ED, Diokno A, Foley JP,

Foster HE, Jacobs SC, Kaplan SA, Kreder KJ, Lieber MM, Lucia MS, Miller GJ, Menon M, Milam DF, Ramsdell JW, Schenkman NS, Slawin KM, Smith JA; Medical Therapy of Prostatic Symptoms (MTOPS) Research Group. The long-term effect of doxazosin, finasteride, and combination therapy on the clinical progression of benign prostatic hyperplasia.. N Engl J Med. 2003 Dec 18;349(25):2387-98.

Hanly EJ, Marohn MR, Bachman SL, Talamini MA, Hacker SO, Howard RS, and Schenkman NS, Multiservice laparoscopic surgical training using the daVinci surgical system.. AM J SURGERY. 2004; 187 (2): 309-315.

Anvari M, Hanly EJ, Schenkman N, Sclabassi R, Chung HY, Laurencin CT, Sun M; Chapter 4 at a glance: telecollaboration. J LAPAROEDOSC ADV SURG TECH. 2005 Oct;15(5):529-38.

Hanly EJ, Marohn MR, Schenkman NS, Miller BE, Moses GR, Marchessault R, Broderick TJ. Dynamics and organizations of telesurgery. EUROPEAN SURGERY 2005;37(5):274-278.

Hanly EJ, Miller BE, Kumar R, Hasser CJ, Coste-Maniere E, Talamini MA, Aurora AR, Schenkman NS, Marohn MR. Mentoring console improves collaboration and teaching in surgical robotics. *Journal of Laparoendoscopic and Advanced Surgical Techniques* 2006 Oct 16(5), 445-451.

Koff SG, Paquette E, Gancarczyk K, Tucciarone P, Schenkman NS, Comparison Between Lemonade and Potassium Citrate and Impact on Urine PH and 24-Hour Urine Parameters in Patients with Kidney Stone Formation. UROLOGY: 2007; 69 (6): 1013-1016

Sears CL, Schenkman N, Lockrow EG. Use of end-to-end anastomotic sizer with occlusion balloon to prevent loss of pneumoperitoneum in robotic vesicovaginal fistula repair. UROLOGY 2007 Sep;70(3):581-2.

Sterbis JR, Hanly EJ, Herman BC, Marohn MR, Broderick TJ, Shih SP, Harnett B, Doarn C, Schenkman NS. Transcontinental Telesurgical Nephrectomy Using the da Vinci Robot in a Porcine Model. UROLOGY 2008; 71 (5): 971-3.

Schenkman NS. Commentary on "Shock Wave Lithotripsy Versus Ureteroscopy for Lower Pole Caliceal Calculi". J UROL. 2008 : 179 (5 Supplement S): S 74.

Schenkman NS. Editorial "Virtual Reality Training in Residency". J UROL. 2008; 180 (6): 2305-6.

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Sterbis JR, Rice KR, Javitt MC, Schenkman NS, Brassell SA. Fusion Imaging: A novel Staging Modality in Testis Cancer. *Journal of Cancer*, 1: 223-229, 2010. UI: 21103077

Roy OP, Wood L, Schenkman NS. Management of Stone Disease in the Neurologically Impaired Patient. *AUA Update Series*, volume 30, 2011.

Ehdaie B, Tracy C, Reynolds C, Cung B, Thomas K, Floyd TS, Schenkman NS. Evaluation of laparoscopic curricula in American urology residency training, *J Endourol*. 2011 Nov;25(11):1805-10. UI: 22017283

Mason MD, Peters CA, Schenkman NS. Robotic Upper Pole Nephrectomy in Adult Patients with Duplicated Renal Collecting Systems, *Journal of Endourology*. 26(7):838-42, 2012. UI: 22201226

Roy O, Angle J, Flury S, Jenkins A, Schenkman NS. Cone Beam CT for Percutaneous Nephrolithotomy : Initial evaluation of a new technology, *Journal of Endourology*. 26(7):814-8, 2012. UI: 22296493

Mills JT. Burris MB. Warburton DJ. Conaway MR. Schenkman NS. Krupski TL. Positioning injuries associated with robotic assisted urological surgery, *Journal of Urology*. 190(2):580-4, 2013 Aug. UI: 23466240

Clements M, Colen D, Hedrick T, Schenkman N. Colovesical fistula caused by an ingested chicken bone. *Urology* 2013 Dec;82(6):e37-8. UI: 24295267

Smith-Harrison LI¹, Patel MS¹, Smith RP¹, Schenkman NS¹. Persistent Müllerian duct structures presenting as hematuria in an adult: Case report of robotic surgical removal and review of the literature. *Urol Ann*. 2015 Oct-Dec;7(4):544-6.

Hougen HY, Lobo JM, Corey T, Jones R, Rheuban K, Schenkman NS, Krupski TL. Optimizing and validating the technical infrastructure of a novel tele-cystoscopy system. *J Telemed Telecare*. 2015 Oct 20.

Christie MC, Manger JP, Khiyami AM, Ornan AA, Wheeler KM, Schenkman NS. Occult Radiographically Evident Port-Site Hernia After Robot-Assisted Urologic Surgery: Incidence and Risk Factors. *J Endourol*. 2016 Jan;30(1):92-6.

Clements MD, Morrison KY, Schenkman NS. Evaluation of Laparoscopic Curricula in American Urology Residency Training: A 5-Year Update. *J Endourol*. 2016 Mar;30(3):347-53.

Wells SA, Wheeler KM, Mithqal A, Patel MS, Brace CL, Schenkman NS. Percutaneous microwave ablation of T1a and T1b renal cell carcinoma: short-term efficacy and

complications with emphasis on tumor complexity and single session treatment. *Abdominal Radiology*. 2016 (epub ahead of publication).

Clements MB, Farhi J, Schenkman NS. Erdheim-Chester Disease Presenting as a Solid Renal Mass. *Urology*. 2017 Feb;100: e1-e2.

Remote development of tumor-to-tumor metastasis of breast adenocarcinoma in a renal oncocytoma

BOOK CHAPTERS

“Urolithiasis” Noah Schenkman and Marshall Stoller, in Conn’s Current Therapy 1999, Robert E. Rakel, ed., WB Saunders, Philadelphia, 1999, pp.741-745.

“Complications of Percutaneous Nephrolithotomy and Ureteroscopy”, Noah Schenkman, in Moore R, Bischoff J, Loenig S, and Docimo S, eds.: Minimally Invasive Urologic Surgery: Taylor & Francis, 2005.

“Endocrine factors in Urolithiasis”, Noah Schenkman and C. Gerry Henderson, in Urinary Stone Disease, Stoller, Marshall L, and Meng, Maxwell V. eds., Humana Press, 2007.

“Ureterolithotomy”, editorial comment, Himan’s Atlas of Urology, In press. 2016.

WEB-BASED REFERENCE ARTICLES

Manger, J and Schenkman, NS, Male Urethra Anatomy, published 2011, updated 2013 <http://emedicine.medscape.com/article/1972482-overview>

Manger, J and Schenkman, NS, Female Urethra Anatomy, published 2011, updated 2013. <http://emedicine.medscape.com/article/1972504-overview>

Manger, J and Schenkman, NS, Ureteral Anatomy, published 2011, updated 2013. <http://emedicine.medscape.com/article/1949127-overview>

PUBLISHED ABSTRACTS

Moul, JW; Maher, PD; Schenkman, NS; Ware, JL; Maygarden, S; "Cathepsin-D and Epidermal Growth Factor Receptor Expression as Clinically Useful Markers in Clinically

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Localized Adenocarcinoma of the Prostate"(abstract), JOURNAL OF UROLOGY, 151 (5) supplement: 286A, 1994.

McLeod, DG; Maher, PD; Schenkman, NS; Moul, JW; "Comparison of Radical Prostatectomy in White and Black Patients in an Equal Access Health Care System", JOURNAL OF UROLOGY, 151(5) supplement: 304A, 1994.

Nguyen, HT; Stoller, ML; Schenkman, NS; Kogan, BA, "Salt Intake and Urinary Volume", JOURNAL OF UROLOGY, 159 670A, 1998.

Hanly EJ, Marohn MR, Schenkman NS, Talamini MA. Multiservice laparoscopic surgical training using the daVinci surgical system: Characterization of the learning curve associated with new use of a surgical robotic device. CURRENT SURGERY 2003;60(2):186.

Hanly EJ, Marohn MR, Schenkman NS. Use of telemedicine to enhance medical student surgery education. TELEMEDICINE JOURNAL AND E-HEALTH 2004;10:S55.

Herman BC, Hanly EJ, Schenkman NS, Taylor RH, Talamini MA, Marohn MR. Telerobotic surgery creates opportunity for augmented reality surgery. TELEMEDICINE JOURNAL AND E-HEALTH 2005;11:203.

Hanly EJ, Miller BE, Marohn MR, Talamini MA, Broderick TJ, Doarn CR, Harnett B, Hasser CJ, Schenkman NS. Stereoscopic robotic surgical telementoring: feasibility and future applications. TELEMEDICINE JOURNAL AND E-HEALTH 2005;11:247.

Hanly EJ, Herman B, Schenkman N, et al. Novel stereoscopic overlayenhances robotic endourology. JOURNAL OF AMERICAN COLLEGE OF SURGEONS, 2006: 203: S94.

Schenkman NS, Sterbis J, Marohn M, Hanly E, Herman B, Shih S, Broderick T, Hartnett, B, Doarn C. Remote robotic nephrectomy using the public internet: Inexpensive telesurgery. JOURNAL OF UROLOGY, 2006: 175 (4) supplement: 346.

Sterbis J, Brassell S, Stack A, Schenkman N. Integrated PET/CT: A novel imaging modality in testis cancer. JOURNAL OF UROLOGY, 2007: 177 (4) supplement 332.

Roy O, Flury S , Angle J, Jenkins A, Turba U, Arslan B, Schenkman N. Dyna CT as a novel approach to intraoperative imaging in percutaneous nephrolithotomy. JOURNAL OF UROLOGY, 2008: 179 (4) supplement.

Ehdaie B, Cung B, Tracy CR, Schenkman NS. Simulation training in American urology programs: A resident perspective. JOURNAL OF UROLOGY, 2009:181 (4) Supplement: 818.

Roy O, Stukenborg GJ, Theodorescu D, Schenkman NS. Post-cystectomy urolithiasis among medicare patients. JOURNAL OF UROLOGY, 2009: 181 (4) Supplement: 268.

Ehdaie B, Tracy CR, Schenkman NS, Trends in simulation use in American urology programs. JOURNAL OF UROLOGY, 2010: 183 (4) Supplement: e518-e519,.

Floyd TS, Thomas K, Ehdaie B, Reynolds C, Schenkman NS, Validation of Robotic VR Trainer and Laparoscopic Box Trainer JOURNAL OF UROLOGY, 2010: 183 (4) Supplement:1337.

Burns AS, Bassignani MJ, Schenkman NS, Theodorescu D, Goode A, Krupski TL. Radiation exposure during computed tomography-guided cryoablation of renal masses. J. Clin Oncol, 28: Suppl. abstract e15116. 2010.

Burns A, Wood L, Tracy C, Krupski T, Davila-Aponte J, Peters C, Schenkman N. Comparison of Single-Console Versus Dual-Console Robotic Surgery Skill Performance in Urology Residents. JOURNAL OF UROLOGY, 2011: 185 (4) Supplement: 1485.

Davila-Aponte JA, Bylund JR, Davenport DL, Schenkman NS, Preston D, Venkatesh R, Strup SE, Krupski TL, Crispen PL. A multi-institutional analysis of the association of Nephrometry score with ischemia time during partial nephrectomy. JOURNAL OF UROLOGY, 2011: 185 (4) Supplement:1271.

Ko JS, Byrd N, Schenkman NS, Krupski TL. Cost Comparison of Nephron-Sparing Therapies. JOURNAL OF UROLOGY, 2011: 185 (4) Supplement: 315.

J. Hammett, P. L. Crispen, J. Ko, N. Byrd, J. R. Bylund, N. S. Schenkman and T. L. Krupski, Regional trends of renal mass management in the Southeast. *Journal of Clinical Oncology*, 2011 ASCO Annual Meeting Abstracts Part 1. Vol 29, No 15_suppl (May 20 Supplement), 2011: e16562

Davenport K, Burns A, Helo S, Bailey G, Peters C, Schenkman N, Comparison of 3D Stereoscope vs. Standard 2D Laparoscope for Performance of two Standard Laparoscopic Tasks by Urology Residents, JOURNAL OF UROLOGY, 2012: 187 (4)Supplement, e611.

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Manger, J, Helo S, Schenkman N, Krupski T, Cost Effectiveness of Alvimopan after Cystectomy and Urinary Diversion, JOURNAL OF UROLOGY, 2012:187, (4), Supplement; e115-e116.

Noah Schenkman; Jonathan Chahin; Tracey Krupski . Measuring surgical attention on robotic virtual reality (VR) simulator using a novel electroencephalographic (EEG) device. JOURNAL OF UROLOGY, 2013: 189 (4) Supplement: e639-640.

Rebecca Zee, Sierra J Seaman, Matthew Engelhard, Noah S Schenkman, Surgical Attention and Movement in Novice and Expert Robotic Surgeons. JOURNAL OF UROLOGY, 2014: 191 (4), Supplement; e169-170.

Davila-Aponte J, Nandan N, Corbett S, Schenkman N, Krupski T, Stent colonization: Discordance with Urine Culture. JOURNAL OF UROLOGY, 2015: 193 (4), Supplement: e228.

Morrison, K, Clements, M, Schenkman, NS, Laparoscopic and Robotic Curricula Use in Urology Residency Programs: A 5-year Update. JOURNAL OF UROLOGY, 2014: 191 (4), Supplement; e170.

Mills J, Hougren H, Bitner D, Krupski T, Schenkman N, Does Robotic Simulator Performance Correlate with Surgical Skill? JOURNAL OF UROLOGY, 2016; 195 (4), Supplement: e217.

EDITORIAL REVIEWS

BMC Medical Education

BMC Surgery

Hormone

Journal of the American College of Surgeons

Journal of the American Family Physician

Journal of Urology

Urology

American Urologic Association Abstract review committee: Endourology: 107th, 108th, 109th, 110th, 111th Annual Meetings

VISITING PROFESSORSHIPS/ INVITED SPEAKER:

Visiting Professor, Madigan Army Medical Center, January 2001

Visiting Professor, Center for Prostate Disease Research, Rockville, MD, 2006

Invited Faculty, Excellence in Urology 2014, Park City, UT

Voted 1st Place Outstanding Faculty Presentation

Visiting Professor, Carolinas Medical Center, Charlotte, NC, September, 2014

POSTGRADUATE COURSES

- Feb 2002 Course Director, 1st Annual USUHS Hand Assist Laparoscopic Nephrectomy Course, Uniformed Services University of Health Sciences, Bethesda, MD
- Dec 2002 Assistant Course Director and Scientific Program Coordinator, 50th Annual Kimbrough Urologic Seminar, Washington, DC
- Jan 2003 Course Director, 2nd Annual USUHS Hand Assist Laparoscopic Nephrectomy Course, Uniformed Services University of Health Sciences, Bethesda, MD
- Sep 2003 Guest Faculty, 6th Carolinas Hospital Hand Assist Laparoscopic Nephrectomy Course, Charlotte, NC
- Dec 2006 Lecturer, The Challenge of Caring for the Pediatric Urological Patient in Adulthood, University of Virginia, Charlottesville, VA
- Oct 2008 Course Director, A Day at Virginia: Ambulatory Urology, University of Virginia, Charlottesville, VA
- Oct 2009 Course Director, A Day at Virginia, Bridging the Gap: Urology and Gynecology, University of Virginia, Charlottesville, VA
- Oct 2010 Course Director, A Day at Virginia, Urology and Endocrinology, University of Virginia, Charlottesville, VA
- Mar 2012 Course Director, Virginia Urological Society, Annual Meeting, Williamsburg, VA

PRESENTATIONS

- Nov.1989 Suramin in treatment of advanced prostate cancer
Kimbrough Urological Seminar, San Antonio, Texas
- Feb. 1992 Inverted Y duplication of the ureter
Washington Urological Society, Washington, D.C.
- Oct. 1993 Autologous blood use in radical prostatectomy
Kimbrough Urological Society, San Diego, California
- Sep. 1994 P53 Gene mutations in testis cancer

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- Jan. 1995 Mid-Atlantic Section AUA meeting, Philadelphia, Pennsylvania
P53 Gene mutations in testis cancer
Kimbrough Urological Seminar, Charleston, South Carolina
- Sep. 1997 Struvite Calculi
Grand Rounds, University of California, San Francisco, California
- Nov. 1997 Impact of Urinary Volume on Calcium Urolithiasis
Kimbrough Urological Seminar, San Francisco, California
- Nov. 1997 Gastropyloplasty: a swine model
Kimbrough Urological Seminar, San Francisco, California
- Feb. 1998 Military Urolithiasis Database
Uniformed Services Urologic Research Group, Denver, Colorado
- Oct. 1998 Differences in Uric Acid Lithiasis Among Men and Women
Kimbrough Urological Seminar, Williamsburg, Virginia
- Jan 2000 Endourology 2000
Puget Sound Urologic Society, Tacoma, Washington
- Mar 2000 Kidney Stone Database
Uniformed Services Urologic Research Group, Sundance, Utah
- Mar 2002 Update on Kidney Stone Database,
Uniformed Services Urologic Research Group, Las Vegas, NV
- Dec 2002 Multi-specialty Training Protocol for Introduction of Laparoscopic Robotics,
Kimbrough Urologic Seminar, Washington, DC.
- May 2004 Introduction of Telemedicine Instruction into the Medical School
Curriculum, American
Telemedicine Association Meeting, Tampa, FL
- Oct 2004 Kidney Stone Experts Panel, Annual Meeting,
Mid-Atlantic Section, American Urological Association, Cambridge, MD
- Jan 2005 Military Specific Urolithiasis Controversies, Panel Discussant, Kimbrough
Urological Seminar, Honolulu, HI
- Jan 2005 Prostate Surgery, Which is Best?, Panel Discussant,
Kimbrough Urological Seminal, Honolulu, HI
- May 2005 Live Telerobotic Surgery Demonstration using the Public Internet, Annual
Meeting, American Telemedicine Association, Denver, CO
- Jan 2006 Telerobotic Nephrectomy using the Public Internet, 58th Annual Meeting,
Kimbrough Urological Seminar, Savannah , GA
- May 2006 Telerobotic Nephrectomy using the Public Internet, 104th Annual Meeting,
American Urological Association, Atlanta, GA
- Dec 2006 Managing Stone Disease in the Young Adult with urinary reconstruction,
Virginia Urologic Symposium: The Challenge of Caring for the Pediatric
Urologic Patient in Adulthood, Charlottesville VA
- Feb 2008 Urologic Robotic Surgery beyond Prostatectomy, Annual Meeting, Virginia
Urological Society , Homestead Resort, VA

Feb 2008 Update on Kidney Stone Disease 2008, Annual Meeting, Virginia Urological Society , Homestead Resort, VA

May 2008 Magnetic anastomosis in Urologic Surgery, Engineering and Urology Society Section, Annual Meeting, American Urologic Association, Orlando, FL

Oct 2008 Urinary Stone Disease Management, A Day at Virginia, Charlottesville,VA

Jan 2009 Panel Discussion: Controversies in Endourology, Kimbrough Urological Seminar, Washington, DC

Feb 2009 Survey of Simulation Experience Among Urology Residents, Academy of Distinguished Educators, Annual Poster Session, University of Virginia

Feb 2009 Robotic Surgery in Residency Training, Washington Urologic Society, Washington, DC

Oct 2009 Point- Counterpoint: Treatment of Small Renal Masses, Moderator, Mid-Atlantic Section, American Urological Association, 56th Annual Meeting

Feb 2010 Validation of Robotic VR Trainer and Laparoscopic Box Trainer (poster), Academy of Distinguished Educators, Annual Poster Session, University of Virginia

Feb 2010 Trends in Simulator Use among Urology Residents (poster), Academy of Distinguished Educators, Annual Poster Session, University of Virginia

Oct 2010 Stones, Bones, and Hormones: Calcium Balance in Urolithiasis, Day at Virginia Urology Conference, Charlottesville, VA

Jan 2011 Team Training in Laparoscopic Crisis Simulation, Kimbrough Urological Seminar, Seattle, WA

March 2011 Advances in Urologic Robotics 2011, Virginia Urological Society, Charlottesville, VA

April 2011 Gynecology Grand Rounds: Urologic Complications in Gynecologic Surgery, University of Virginia, Charlottesville, VA

Oct 2012 Endocrinology Grand Rounds: Urolithiasis and Calcium Balance, University of Virginia, Charlottesville, VA

Jan 2013 Robotic Pyeloplasty in Adults over 50 years old: Outcomes compared to a younger cohort., Kimbrough Urological Seminar, Honolulu, HI

May 2013 Measuring Surgical Attention on a Virtual Reality Robotic Simulator, American Urological Association Annual Meeting, San Diego, CA

Oct 2013 Difficult Cases in Urologic Stone Disease, Annual Meeting, Mid Atlantic AUA, Greenbrier Resort, WV.

Sept 2014 Update on Medical Management of Urolithiasis, Carolinas Medical Center Visiting Professor, Charlotte, NC

Sept 2014 Moderator: Ureterscopy vs. Percutaneous Nephrolithotomy for 2 cm renal pelvis stone, Annual Meeting, Mid Atlantic AUA, Baltimore, MD

June 2015 BPH: A review. American Urological Association, Fundamentals of Urology Course, Charlottesville, VA.

RESEARCH

- 1999-2006 Database of Urinary Stone Patients, Walter Reed Army Medical Center
- 1999-2003 Principal Investigator, Walter Reed Army Medical Center, Medical Therapy of Prostatic Symptoms (MTOPS), Multi-center NIH sponsored study
- 2000- 2006 Principal Investigator, Walter Reed Army Medical Center, Prostate Cancer Prevention Trial (PCPT), Multi-center NIH sponsored study
- 2003-2006 Laparoscopic Surgery with daVinci Device: Telemedicine applications, Walter Reed Army Medical Center
- 2003-2006 Principal Investigator, Walter Reed Army Medical Center, SELECT (Vitamin E and Selenium supplements for prostate cancer prevention)
- 2004-2006 Registry of B PH patients, Walter Reed Army Medical Center
- 2004-2005 BONECARE: Registry of Patients with Prostate cancer and Bony Metastases, Walter Reed Army Medical Center
- 2006 Principal Investigator, Walter Reed Army Medical Center and Uniformed Services University (USUHS), Telerobotic and Minimally Invasive Surgery Center
- 2008-present Database of Urinary Stone Formers, University of Virginia
- 2010 Principal Investigator, Multidisciplinary Team Training in Laparoscopic Crisis Management, University of Virginia
- 2012 Measuring Surgical Attention using Ambulatory EEG device, University of Virginia
- 2013 Construct Validity of TEMPO device for measuring Robotic Skills among Novices and Experts
- 2014 Principal Investigator, Telecystoscopy for Remote monitoring of urologic disease, University of Virginia
- 2015 Emergency Room Compliance with National guidelines for Renal Colic patients
- 2016 Renal biopsy for small renal mass: assessment for chronic renal disease risk factors

GRANTS

- Dec 2000 Uniformed Services Urologic Research Group Manthos Award for “Stone Database for Urinary Stone Formers”, \$5,000.
- April 2003 U.S. Army Telemedicine and Advanced Technologies Command Grant for “3-D Telementoring using the daVinci Laparoscopic Robot”: \$250,000.
- April 2004 U.S. Army Telemedicine and Advanced Technologies Command Grant for “Introduction of a Telemedicine Curriculum in 3rd year Medical Student Training”. \$140,000.
- Aug 2005 U.S. Army Telemedicine and Advanced Technologies Command “Telerobotic and Minimally Invasive Surgery Center: Developing a Military Specific Operating Room of the Future”, \$4,100,000.
- Sep 2009 Ladies Auxiliary of the Veterans of Foreign Wars, Virginia Chapter: “Minimally invasive approaches to Renal Tumors”, \$16,000.
- Jan 2010 Graduate Medical Education Grant for Innovations in GME, University of Virginia, \$50,000. “Team Training for Laparoscopic Crisis Management”