



*Austin Fertility &
Reproductive Medicine*

**PARVIZ K. KAVOUSSI, M.D.
REPRODUCTIVE UROLOGIST/ANDROLOGIST
AUSTIN FERTILITY AND REPRODUCTIVE MEDICINE**

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POSTDOCTORAL TRAINING

THE UNIVERSITY OF VIRGINIA HEALTH SCIENCES CENTER. Charlottesville, Virginia.

Fellowship- Andrology/Reproductive Urology – Male Infertility, Sexual Medicine, and Microsurgery (Vasectomy Reversals/Sperm Retrievals). National Institute of Health funded fellow. July 2008-June 2010.

TEXAS A&M, SCOTT & WHITE MEMORIAL HOSPITAL AND HEALTH SCIENCES CENTER. Temple, Texas.

Residency- Urology- July 2004-June 2008.

General Surgery July 2002-June 2004

SPECIALTY CREDENTIALS

RAMSES. Credentialed in Robot Assisted Microsurgery in Urology/Robot Assisted Vasectomy Reversals by RAMSES (Robot Assisted Microsurgical and Endoscopic Society). Winter Haven Hospital & University of Florida. April 2011.

EDUCATION

THE UNIVERSITY OF TEXAS MEDICAL BRANCH AT GALVESTON. Galveston, Texas.

Doctor of Medicine. August 1998-May 2002.

BAYLOR UNIVERSITY. Waco, Texas.

Bachelor of Arts, degree in Biology. August 1994-May 1998.

PUBLICATIONS

- Cuellar DC, **Kavoussi PK**, Baker LA, Docimo SG. Open laparoscopic access using a radially dilating trocar: experience and indications in 50 consecutive cases. *Journal of Endourology*. 2000 November;14(9):755-756.
- Fugita OE, Jarrett TW, **Kavoussi P**, Kavoussi LR. Laparoscopic treatment of retroperitoneal fibrosis. *Journal of Endourology*. 2002 October;16(8):571-574.
- Pinto PA, Montgomery RA, Ryan B, Roberts W, HSU T, **Kavoussi P**, Klein AS, Kavoussi LR, Molmenti EP. Laparoscopic procurement model for living donor liver transplantation. *Clinical Transplantation*. 2003;17 Suppl 9:39-43.
- **Kavoussi PK**, Hermans MR. Testicular trauma secondary to less-lethal kinetic energy munitions. *Urology*. 2006; June;67(6):1290.
- Bird ET, **Kavoussi PK**. Male infertility: Highlights from AUA 2006. www.medscape.com. 2006 July.
- **Kavoussi PK**, Bird ET. Repair of a scrotal wound defect after Fournier's gangrene: a novel approach. *Issues in Urology*. 2007; March/April;19(2): 75-77.
- Bird ET, **Kavoussi PK**. Instructional video for no scalpel vasectomy. <http://www.brightcove.com/title.jsp?title=307719465&channel=301783375>
- **Kavoussi PK**, Coffield KS, Hermans MR. A prospective evaluation of a single center's experience with the greenlight laser for photoselective vaporization of the prostate. *The Canadian Journal of Urology*. 2007 December,14(6): 3790.
- **Kavoussi PK**, Hermans MR. Maintenance of erectile function after photoselective vaporization of the prostate for obstructive benign prostatic hyperplasia. *Journal of Sexual Medicine*. 2008; November;5(11):2669-71.
- **Kavoussi PK**, Bird ET. Validation of a vasoepididymostomy predictor model. *Fertility and Sterility*. 2009 Jul;92(1):180-1.
- **Kavoussi PK**, Sharma S, Lysiak JJ, Lee KC, Frierson HF, Tuttle JB, Steers WD. Fiberoptic confocal laser imaging of prostate cancer and cavernous nerves in TRAMP mice and human prostatic adenocarcinoma. (Manuscript in preparation for submission to the *Journal of Urology*)
- **Kavoussi PK**, Ellen JH, Woodson RI, Ellati RT, Costabile RA, Turner TT, Lysiak JJ. Acute oxidative stress does not result in detrimental histologic or physiologic changes in the murine penis. (Manuscript in preparation for submission for publication)
- Lysiak JJ, **Kavoussi PK**, Ellati RT, Steers WD, Annex B. Angiogenesis therapy for the treatment of erectile dysfunction. *Journal of Sexual Medicine*. 2010 Jul;7(7):2554-63.
- **Kavoussi PK**, Floyd TS, Costabile RA. Effects of brachytherapy on semen parameters in prostate cancer patients. (Accruing patients)
- Ellati RT, **Kavoussi PK**, Turner TT, Lysiak JJ. Twist and shout: A clinical and experimental review of testicular torsion. *Korean Journal of Urology*. 2009 December;50(12):1159-1167.
- **Kavoussi PK**, Ellen JH, Oliver JL, Woodson RI, Costabile RA, Steers WD, Brown-Steinke K, deRonde K, Lysiak JJ, Palmer LA. Nitric oxide synthase S-nitrosylation/denitrosylation and erectile function. (Manuscript in preparation for submission to *Proceedings in the National Academy of Sciences* for publication).
- Turner TT, Mammen T, **Kavoussi PK**, Lysiak JJ, Costabile RA. Cytokine responses to *E. coli*-induced epididymitis in the rat: blockade by vasectomy. *Urology*. 2011 Jun;77(6):1507.e9-1507.e14.
- **Kavoussi PK**, Bird ET. Validation of a vasoepididymostomy predictor model. *Urological Survey in Male Infertility*. *Journal of Urology*. 2010 Apr;183(4): 1502-3.

- Oliver JL, **Kavoussi PK**, Woodson RI, Corbett ST, Costabile RA, Palmer LA, Lysiak JJ. The role of regulatory proteins and S-nitrosylation of endothelial nitric oxide synthase in the human clitoris: implications for female sexual function. (Manuscript in preparation for submission to the Journal of Sexual Medicine for publication)
- Smith RP, Lowe GJ, **Kavoussi PK**, Steers WD, Costabile RA, Herr JC, Shetty J, Lysiak JJ. The use of confocal fluorescent microscopy in a mouse model of microTESE to improve sperm retrieval. (Manuscript in preparation for submission for publication to the Journal of Urology)
- **Kavoussi PK**, Straub AC, Oliver JL, Heberlein K, Costabile RA, Isakson BE, Lysiak JJ. Myoendothelial junctions in the corpus cavernosum are important for normal penile erectile function and cavernous nerve injury has a detrimental affect on myoendothelial junctions. (Manuscript in preparation for submission to the Journal of Urology for publication)
- **Kavoussi PK**, Straub AC, Steers WD, Costabile RA, Isakson B, Lysiak JJ. Burning bridges: cavernous nerve resection affects myoendothelial junctions and erectile function. AUA News. 2010. November; 15(11): 14-15.
- **Kavoussi PK**. Having Klinefelter's Syndrome does not mean it is impossible to father children. XXtraordinary News. 2010; November: 2.
- Ellati RT, **Kavoussi PK**, Woodson RI, Annex B, Lysiak JJ. Cigarette smoke exposure induces a highly selective endothelial injury and vascular erectile dysfunction. (Manuscript submitted to the Journal of Sexual Medicine for publication)

BOOK CHAPTERS

- **Kavoussi PK**, Costabile RA. Chapter 37, Surgery of the Scrotum and Seminal Vesicles. Campbell-Walsh Urology, 10th edition. Saunders Co. Wein, Kavoussi, Partin, Peters, eds.
- **Kavoussi PK**, Costabile RA. Chapter 23, Disorders of Scrotal Contents: Orchitis, Epididymitis, Testicular Torsion, Torsion of the Appendages, and Fournier's Gangrene. Practical Urology: Essential Principles and Practice. Springer Co. Chapple, Steers, eds.

GRANT SUPPORT

- Advanced Training for Leadership in Urology and Urological Research T32 DK 069-264-02, June 2008-June 2010.

SCIENTIFIC PRESENTATIONS

- **Kavoussi PK***, Hermans MR. A case report of testicular trauma secondary to less-lethal kinetic energy munitions. Podium presentation at the 52nd Annual James C. Kimbrough Urological Seminar, 2005.
- **Kavoussi PK***, Bird ET. The successful use of a small intestine submucosa/fibrin sealant graft for the repair of a scrotal wound defect after Fournier's gangrene. Podium/Poster presentation at the 2005 Texas Urological Society Annual Meeting.
- Bird ET*, **Kavoussi PK**. Male infertility: Highlights from AUA 2006. American Urological Association Annual Meeting 2006.

- **Kavoussi PK***, Bird ET. Validation of a vasoepididymostomy predictor model: Is vasoepididymostomy truly predictable preoperatively? Podium presentation at the 2007 65th Annual Mid-Atlantic Section of the AUA.
- **Kavoussi PK***, Coffield KS, Hermans MR. A prospective evaluation of a single center's experience with the greenlight laser for photoselective vaporization of the prostate. Podium presentation at the 2007 South-Central Section of the AUA.
- **Kavoussi PK***, Hermans MR. Maintenance of erectile function after photoselective vaporization of the prostate for obstructive benign prostatic hyperplasia. Poster presentation at the 2007 Sexual Medicine Society of North America.
- **Kavoussi PK***, Kuehl TJ. Evaluation of additional indices of sperm morphology as predictor of pregnancy outcome from intrauterine insemination. Poster presentation at the 2008 American Society of Andrology meeting.
- **Kavoussi PK***, Ellen JH, Woodson RI, Costabile RA, Turner TT, Lysiak JJ. Oxidative stress in the penis: Friend or foe? Poster presentation at the 2009 67th Annual Mid-Atlantic Section of the AUA.
- Oliver JL*, **Kavoussi PK**, Woodson RI, Corbett ST, Costabile RA, Lysiak JJ. Expression of eNOS and associated regulatory proteins in the human clitoris. Poster presentation at the 2009 15th annual Sexual Medicine Society of North America meeting.
- **Kavoussi PK**, Ellen JH, Palmer LA, Steers WD*, Lysiak JJ. S-nitrosylation regulates eNOS and penile erection. Presentation at the 2010 American Association of Genitourinary Surgeons Annual Meeting.
- Steers WD*, **Kavoussi PK**, Sharma S, Lysiak JJ. Endomicroscopy and use of fiberoptic confocal fluorescent microscopy to image prostatic adenocarcinoma, urethral, and cavernous nerves using fluorescent biomarkers. Presentation at the 2010 American Association of Genitourinary Surgeons Annual Meeting.
- **Kavoussi PK***, Straub AC, Oliver JL, Heberlein K, Costabile RA, Isakson B, Lysiak JJ. Myoendothelial junctions in the corpus cavernosum are important for normal erectile function. Poster presentation at the 2010 American Urological Association Annual Meeting.
- **Kavoussi PK***, Ellen JH, Oliver JL, Woodson RI, Costabile RA, Steers WD, Palmer LA, Lysiak JJ. eNOS S-nitrosylation and erectile function. Poster presentation at the 2010 American Urological Association Annual Meeting.
- **Kavoussi PK**, Oliver JL*, Woodson RI, Corbett ST, Costabile RA, Palmer LA, Lysiak JJ. S-nitrosoglutathione reductase (GSNO-R) in the human clitoris implications for female sexual function. Poster presentation at the 2010 American Urological Association Annual Meeting.
- Ellati RT*, Bailey GC, Woodson RI, **Kavoussi PK**, Annex BH, Steers WD, Lysiak JJ. Smoking induces an inflammatory-like phenotype in corporal endothelial cells. Poster presentation at the 2010 American Urological Association Annual Meeting.
- Oliver JL*, **Kavoussi PK**, Woodson RI, Corbett ST, Costabile RA, Lysiak JJ. Expression of eNOS and associated regulatory proteins in the murine and human clitoris. Podium presentation at the 2010 annual International Society for the Study of Women's Sexual Health.
- Thomas KT*, **Kavoussi PK**, Costabile RA. The prostatic utricle: an elusive etiology of recurrent urinary tract infections. Poster presentation at the 2011 Annual James C. Kimbrough Urological Seminar.

- Smith RP*, **Kavoussi PK**, Steers WD, Costabile RA, Herr J, Lysiak JJ. The use of fiberoptic confocal fluorescent microscopy for microdissection testicular sperm extraction (microTESE) in a murine model. Podium presentation at the 2010 66th Annual American Society for Reproductive Medicine Meeting.
- Lowe G*, Straub AC, Ko J, Woodson RI, **Kavoussi PK**, Costabile RA, Steers WD, Isakson B, Lysiak JJ. eNOS localizes to myoendothelial junctions in the corpus cavernosum: implications for erectile dysfunction. Poster presentation at 2011 American Urological Association Annual Meeting.
- Smith RP*, **Kavoussi PK**, Costabile RA, Steers WD, Herr J, Lysiak JJ. The use of fiberoptic confocal fluorescent microscopy in a murine model of microTESE. Podium presentation at 2011 American Urological Association Annual Meeting.
- Lowe G, **Kavoussi PK**, Straub AC, Steers WD, Costabile RA, Isakson B, Lysiak JJ. Myoendothelial junctions in the corpus cavernosum are lost after cavernous nerve injury. (Submitted to 2011 Midatlantic Section of the American Urological Association Meeting).
- Lowe G*, **Kavoussi PK**, Straub AC, Steers WD, Costabile RA, Isakson B, Lysiak JJ. Myoendothelial junctions in the corpus cavernosum are lost after cavernous nerve injury. (Submitted to 2011 Society of International Urology Meeting).
- **Kavoussi PK**, Wagner KR, Lowry PS*. Laparoscopic nephrectomy for massive polycystic kidneys in transplant recipients is safe and effective. Presented at the 2011 South Central Section AUA Annual Meeting.

CLINICAL TRIALS

- A Multicenter, Double-Blind, Randomized, Placebo-Controlled, Parallel-Group Study of the Safety and Efficacy of a Single Treatment with Two Dose Levels of BOTOX® (Botulinum Toxin Type A) Purified Neurotoxin Complex Followed by Repeat Treatment with BOTOX® in Patients with Urinary Incontinence Due to Neurogenic Detrusor Overactivity, 2008-2010.
- A Twelve Month, Open -Label, Safety Trial of Flibanserin 50 milligrams to 100 milligrams Daily in Women with Hypoactive Sexual Desire Disorder, 2008-2010.
- A Randomized, Double-Blind, Placebo-Controlled, Parallel Group, Multicenter Study of the Safety and Efficacy of Avanafil in the Treatment of Erectile Dysfunction Following Bilateral Nerve-Sparing Radical Prostatectomy, 2009-2010.

JOURNAL REVIEWER

- Journal of Urology (American Urological Association; Print ISSN: 0022-5347; Online ISSN: 1527-3792; Imprint: Lippincott Williams & Wilkins), 2009-present.
- Journal of Sexual Medicine (The Official Journal of the International Society for Sexual Medicine and the International Society for the Study of Women's Sexual Health (Print ISSN: 1743-6095; Online ISSN: 1743-6109), 2010-present.

NATIONAL COMMITTEE MEMBERSHIP

- American Society of Andrology Public Affairs and Policy Committee – to guide and promote the best clinical practices in the fields of male infertility and sexual medicine, 2010- present.

REGIONAL COMMITTEE MEMBERSHIP

- Appointed as a member of the Travis County Medical Society Public Relations Committee, 2011-2013.
- Appointed as a member of the Travis County Medical Society Membership Committee, 2011-2013.
- Physician member of the XXY Association of Texas, 2010-present.

LECTURES

- Klatskin Tumor. Texas A&M Health Sciences Center, Scott & White Memorial Hospital General Surgery/Gastroenterology Grand Rounds. October 2002.
- Surgical Management of Kidney Cancer. Texas A&M Health Sciences Center, Scott & White Memorial Hospital lecture to medical students. April 2003.
- Central Texas Urological Association meeting. Lecture: Persistent Mullerian Duct Syndrome. July 2007.
- A prospective evaluation of a single center's experience with the greenlight laser for photoselective vaporization of the prostate. Texas A&M Health Sciences Center, Scott & White Memorial Hospital resident research presentation day. April 2008.
- Bladder and Urethral Diverticula, Campbell's chapter 73, University of Virginia urology residents review. September 2008.
- Novel regulation of eNOS in the penis by S-nitrosoglutathione reductase. The University of Virginia reproductive basic science lecture series. October 2008.
- Urinary Tract Fistula, Campbell's chapter 72, University of Virginia urology residents review. October 2008.
- Surgery of the Scrotum and Seminal Vesicles, Campbell's chapter 34, University of Virginia urology residents review. March 2009.
- Bladder and Urethral Diverticula, Campbell's chapter 73, University of Virginia urology residents review. September 2009.
- Urinary Tract Fistula, Campbell's chapter 72, University of Virginia urology residents review. October 2009.
- Day in Virginia Lecture Series. Lecture: Delaying Parenthood and Fertility. October, 2009.
- Intracellular localization of eNOS and the effect of S-nitrosylation on cellular function in relation to erectile function. The University of Virginia reproductive basic science lecture series. November 2009.
- Charlottesville Track Club. Lecture: Prostate Cancer Screening and Prevention. November, 2009.
- Basics of Male Infertility. Infertility lecture series to University of Virginia urology residents. February 2010.
- Surgery of the Scrotum and Seminal Vesicles, Campbell's chapter 34, University of Virginia urology residents review. March 2010.
- Priapism: Causes, Evaluation, Medical and Surgical Treatment. Lecture series to University of Virginia urology residents. March 2010.
- The impact of cancer on male fertility. Infertility lecture series to University of Virginia urology residents. April 2010.
- Chromosomal disorders and male infertility. Infertility lecture series to University of Virginia urology residents. May 2010.

- Post-graduate CME course at the 2010 American Urological Association annual national meeting. Course: Epididymitis and Chronic Scrotal Pain: Diagnosis and Management. Course Faculty: Raymond A. Costabile, M.D., Parviz K. Kavoussi, M.D., Chad R. Tracy, M.D.
- Ask the medical expert: Testosterone and your health. Community lecture at Longhorn Village in Steiner Ranch, Austin, Texas. October 2010.
- Satisfying solutions: Erectile restoration. Community lecture at Sun City, Texas. January 2011.
- Male factor infertility. Seminar at St. David's South Austin Medical Center, Austin, Texas. January 2011.
- Male factor infertility. Lecture at Austin Woman Magazine's Healthy Living Event. Austin, Texas. April 2011.
- Ask a doc: Comprehensive fertility care for the couple. Shahryar K. Kavoussi, M.D., Parviz K. Kavoussi, M.D. Seminar at St. David's South Austin Medical Center, Austin, Texas. April 2011.
- Klinefelter's men can be fathers. Lecture to the XXY Association. Austin, Texas. April 2011.
- Life After Prostate Cancer: Prostate cancer's impact on fertility and sexual health. US TOO Austin prostate cancer support group. Austin, Texas. May 2011.
- Advances in men's health, erectile restoration. Texas Osteopathic Medicine Association District 7 Meeting. Austin, Texas. July 2011.

HONORS AND AWARDS

- Awarded best of poster presentations in the sexual function/dysfunction/Andrology: basic research session at the 2010 American Urological Association annual meeting for: **Kavoussi PK***, Straub AC, Oliver JL, Heberlein K, Costabile RA, Isakson B, Lysiak JJ. Myoendothelial junctions in the corpus cavernosum are important for normal erectile function. May 2010.
- Selected as an expert to peer review sexual medicine manuscripts for publication in the Journal of Sexual Medicine, 2010-present.
- Selected as an expert to peer review infertility and sexual medicine manuscripts for publication in the Journal of Urology, 2009-present.
- Recognized as a Texas A&M, Scott & White Memorial Hospital Distinguished Alumnus at the Scott & White 80th year ceremony, November 2008.
- Elected as a Gerald P Murphy Scholar at the American Urological Association annual national meeting, May 2007.
- Inducted into the Alpha Omega Alpha Medical Honor Society during residency, Texas A&M Health Sciences Center, Scott and White Memorial Hospital, May 2007.
- Received 2nd place in the resident podium presentation competition at the 2005 Texas Urological Society meeting for: **Kavoussi PK***, Bird ET. The successful use of a small intestine submucosa/fibrin sealant graft for the repair of a scrotal wound defect after Fournier's gangrene. July 2005.
- Elected as a Junior Marshall in the University of Texas Medical Branch graduation. May 2001.
- Nominated to tutor first year medical students in anatomy and histology at the University of Texas Medical Branch at Galveston, 1999.
- Inducted into the Golden Key National Honor Society-accepting the top 15% of the class. January 1997-1998.

- Dean's List – Baylor University, 1997-1998.
- Alpha Epsilon Delta Premedical Honor Society, January 1996-1998.

EMPLOYMENT

- Austin Fertility and Reproductive Medicine. Austin, TX, 2010-present.
- Andrology/Reproductive Urology Fellow – The University of Virginia Health System. Charlottesville, VA, 2008-2010.
- Urology Resident – Texas A&M, Scott and White Memorial hospital. Temple, TX, 2002-2008.
- Teaching/Lab assistant – Human physiology lab. Baylor University, Waco, TX, 1995.
- South Austin Medical Center, Emergency Department. Assisted emergency room physicians, Austin, TX. Summer and Christmas vacations, 1995-1998.

VOLUNTEER EXPERIENCE

- Physician volunteer for student athletic physicals. Austin, TX. 2011.
- Medical advisor for Klinefelter's Syndrome Support Group of Texas. Austin, TX. 2010-present.
- University of Virginia Cancer Center Community Outreach. Volunteer to teach Albemarle high school students about testicular cancer and the importance of the testicular self examination. Charlottesville, VA. 2010.
- University of Virginia Exploring Opportunities Day. Urology representative to teach medical students. Charlottesville, VA. 2010.
- Urologist representative for advertising for the annual Charlottesville Men's 4 Miler Prostate Cancer Awareness Run. Charlottesville, VA. 2009.
- Annual prostate cancer screening day, The University of Virginia Health System, Charlottesville, VA. 2008-2010.
- Annual prostate cancer screening day, Scott & White, Temple TX, 2004-2008.
- St. Vincent's Clinic for indigent patients, Galveston, TX. 1998-2000.
- Medical mission trip to Mulukuku, Nicaragua. 1999.
- Evangelia Children's Center, Waco, TX. 1996-1998.
- Volunteer to teach elementary school children through the American Chemical Society, Waco, TX. 1996.
- "Steppin' Out" community outreach program, Waco, TX. 1996.
- Stephen's Kids Camp for underprivileged children, Austin, TX. 1995.
- Junior volunteer in the South Austin Medical Center Emergency Department, Austin, TX. 1992-1995.

PROFESSIONAL ORGANIZATIONS

- Society for the Study of Male Reproduction, 2011-present.
- Austin Sexual Health Community Group, 2011-present.
- Travis County Medical Society, 2010-present.
- Texas Medical Association, 2010-present.
- American Society of Reproductive Medicine, 2010-present.
- The Society for Male Reproduction and Urology, 2010-present.
- American Association of Clinical Urologists, 2009-present.
- American Society of Andrology, 2009-present.

- Alpha Omega Alpha Honor Society, 2007-present.
- Central Texas Urological Society, 2006-2008.
- Society of Urologic Prosthetic Surgeons, 2006-present.
- Sexual Medicine Society of North America, 2006-present.
- International Society for Sexual Medicine, 2006-present.
- Endourological Society, 2006-present.
- American Urological Association, 2004-present.
- American Surgical Society, 2002-2004.
- Student Surgical Society, 1998-2002.
- St. Vincent's Clinic student representative, 1999-2000.
- Golden Key National Honor Society, 1997-present.
- Alpha Epsilon Delta Premedical Honor Society, 1996-1998.
- American Chemical Society, 1996-1998.