

Wayne Kuang, M.D.

SOUTHWEST FERTILITY CENTER FOR MEN

(Located at Albuquerque Urology Associates)
610 Broadway Blvd. NE, Albuquerque, NM 87122
(505) 242-3991
(505) 243-8405 (Fax)

EDUCATION

05 - 06	Male Infertility Fellowship - Cleveland Clinic Foundation	
99 - 05	Urology Residency - Cleveland Clinic Foundation	
02 - 03	Andrology Research Fellowship - Cleveland Clinic Foundation	
93 - 99	Stanford University School of Medicine	M.D.
89 - 93	Massachusetts Institute of Technology	B.S.

PROFESSIONAL APPOINTMENTS

Director, Southwest Fertility Center for Men (Albuquerque Urology Assoc.)
Director, Male Reproductive Health (University of New Mexico)
Assistant Professor of Urology (University of New Mexico)
Associate Staff - Presbyterian Hospital System (Albuquerque, NM)

MICROSURGICAL TRAINING

03	American Urological Association Microsurgery Course (16 hrs)
02	Cleveland Clinic Microsurgery Course (40 hrs)
00	Cleveland Clinic Microsurgery Course (40 hrs)

VASECTOMY REVERSAL PREDICTION SOFTWARE

03	“VE-VV Predictor” : Predicts the need for Vasoepididymostomy. More accurate than using the time since vasectomy cut-off . Published in the Journal of Urology (May 2005 & Jan 2006).
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PROFESSIONAL FERTILITY ASSOCIATIONS

Society for Male Reproduction and Urology (SMRU)
Society for the Study of Male Reproduction (SSMR)
American Society for Reproductive Medicine (ASRM)
American Society of Andrology (ASA)
American Urology Association (AUA)

VARICOCELE ULTRASOUND TRAINING

06	Ultrasound for Surgeons, The Basic Course. American College of Surgeons
05	Surgical Ultrasonography Workshop (Sept. 22-23). The Cleveland Clinic

PUBLICATIONS

1. **Kuang, W.**, Parekattil, S. J., Milbank, A. J., Thomas Jr., A. J.: Patency & Pregnancy Outcomes of End-to-Side Vasoepididymostomy. In preparation, 2006
2. **Kuang, W.**, Thomas, A. J.: Optical Coherence Tomography: A Novel Modality for Testicular Imaging. In preparation, 2006
3. **Kuang, W.**, Thomas Jr., A. J.: Robotic-Assisted Vasovasostomy: A Two-Layered Technique in an Ex Vivo Human Vas Model. *Journal of Andrology*, In preparation, 2006
4. **Kuang, W.**, Drazba, J., Thomas Jr., A. J.: Etoposide-Induced DNA Fragmentation & Mitochondrial Damage in Human Ejaculated Sperm: An In Vitro Model. *Journal of Andrology*, In preparation, 2006
5. **Kuang, W.**, Kay, R.: Leadership Development in Residency Training. *Urology*, Submitted, 2006
6. Woo, L., **Kuang, W.**, Ross, J.: Giant Cell Fibroblastoma of the Penis. *Urology*, In Press, 2006
7. Milbank, A. J., **Kuang, W.**, Thomas Jr., A. J.: The Intussuscepted Vasovasostomy: A Simple, Novel Technique. In preparation, 2005
8. Milbank, A. J., **Kuang, W.**, Thomas Jr., A. J.: Patency & Pregnancy Outcomes for Vasectomy Reversal Performed After Obstructive Intervals Exceeding 14 Years. In preparation, 2005
9. Parekattil, S. J., **Kuang, W.**, Kolettis, P. N., Pasqualotto, F. F., Teloken, P., Teloken, C., Nangia, A. K., Daitch, J. A., Niederberger, C., Thomas Jr., A. J.: Multi-Institutional Validation of Vasectomy Reversal Predictor. *Journal of Urology*, **175**: 247-249, 2005
10. Kay, R., **Kuang, W.**: Leadership in Medicine: Lessons from The Cleveland Clinic Foundation. *Group Practice Journal*, **54**: 40-44, 2005
11. **Kuang, W.**, Shin, P. R., Oder, M., Thomas Jr., A. J.: Robotic-Assisted Vasovasostomy: a Two-Layer Technique in an Animal Model. *Urology*, **65**: 811-814, 2005
12. Parekattil, S. J., **Kuang, W.**, Agarwal, A., Thomas Jr., A. J.: Model to Predict if a Vasoepididymostomy Will be Required for Vasectomy Reversal. *Journal of Urology*, **173**: 1681-1684, 2005
13. **Kuang, W.** and Thomas Jr., A. J.: Author's Reply to Letter to the Editor Re: Initial Evaluation of Robotic Technology for Microsurgical Vasovasostomy. *Journal of Urology*, **172**: 780, 2004
14. **Kuang, W.**, Shin, P. R., Matin, S., Thomas Jr., A. J.: Initial Evaluation of Robotic Technology for Microsurgical Vasovasostomy. *Journal of Urology*, **171**: 300, 2004
15. Kaouk, J. H., **Kuang, W.**, Gill, I. S.: Laparoscopic Dismembered Tubularized Flap Pyeloplasty: a Novel Technique. *Journal of Urology*, **167**: 229, 2002
16. Nimeh, T., **Kuang, W.**, Levin, H. S., Klein, E. A.: Sarcomatoid Transitional Cell Carcinoma of Bladder Managed With Transurethral Resection Alone. *Journal of Urology*, **167**: 641, 2002
17. **Kuang, W.**, Ng, C. S., Matin, S., Kaouk, J. H., El-Jack, M., Gill, I. S.: Rhabdomyolysis After Laparoscopic Donor Nephrectomy. *Urology*, **60**: 911, 2002
18. **Kuang W** and Fettouh H: Renal Transplantation, in Ponsky J: *The Cleveland Clinic Guide to Surgical Patient Management*, Harcourt, Inc., 2001, pp 345-352.

19. Yang, G. P., Ross, D. T., **Kuang, W. W.**, Brown, P. O., Weigel, R. J.: Combined SSH and cDNA Microarrays for Rapid Identification of Differentially Expressed Genes. *Nucleic Acids Research*, **27**: 1517, 1999
20. **Kuang, W. W.**, Thompson, D. A., Hoch, R. V., Weigel, R. J.: Differential Screening and Suppression Subtractive Hybridization Identified Genes Differentially Expressed in an Estrogen Receptor-Positive Breast Carcinoma Cell Line. *Nucleic Acids Research*, **26**: 1116, 1998
21. Carmeci, C., Thompson, D. A., **Kuang, W. W.**, Lightdale, N., Furthmayr, H., Weigel, R. J.: Moesin Expression is Associated With the Estrogen Receptor-Negative Breast Cancer Phenotype. *Surgery*, **124**: 211, 1998

ACADEMIC HONORS & AWARDS

04	International Volunteers in Urology Traveling Scholarship
03	Best Video Award in Urology (American Society for Reproductive Medicine)
03	SMRU Traveling Scholar Award (Society for Male Reproduction and Urology)
02	Bruce Hubbard Stewart Fellowship (CCF Department of Ethics)
97	Howard Hughes Continued Support Research Training Fellowship
97	EE Osgood Award for the Outstanding Research Paper by a Student
96	Howard Hughes Research Training Fellowship
96	Pfeiffer Research Scholarship – Stanford University School of Medicine
95	Medical Scholars Research Grant – Stanford University School of Medicine

FERTILITY ABSTRACTS

06	Robotic-Assisted Vasovasostomy: A 2-Layered Technique (Ex Vivo Model) – ASA
06	Differential Protein Expression of Caspase-8, Pro-Caspase-9 and BCL-2 in Infertile Oligospermic Men – ASA
06	Upregulated Protein Expression of Apoptotic Proteins in Oligospermic Men – ASA
06	Etoposide Model to Study DNA Fragmentation in Normal Ejaculated Sperm – AUA
05	Intussuscepted Vasovasostomy: A Simple and Novel Technique – AUA
04	Patency and Pregnancy Outcomes for Vasectomy Reversal Performed After Obstructive Intervals Exceeding 14 Years - AUA
04	Robotic-Assisted Vasovasostomy: A 2-Layer Technique in a Rabbit Model – ASRM
03	Robotic-Assisted Vasovasostomy: A Pilot Study – ASRM

FERTILITY RESEARCH

06 - Present	Sperm Retrieval in Azoospermic Men Using a Novel Imaging Modality: Optical Coherence Tomography
02 - Present	Pregnancy & Patency Outcomes After Vasovasostomy & Vasoepididymostomy
02 - Present	Vasectomy Reversal & Robotic Technology
02 - Present	Fertility for Cancer Survivors & the Impact of Chemotherapy on Sperm DNA

FERTILITY GRANTS

- 03 Vasectomy Reversal & Robotics - Intuitive Surgical Educational Grant - (\$3000)
- 02 DNA Integrity of Sperm – Cleveland Clinic Grant (\$25,000)

TEACHING ACTIVITIES

- 04 “Top Doc” Initiative – Founder & Coordinator
Lecture series that fosters resident-staff relationships through education
- 04 Resident Research Symposium – Founder & Coordinator
Program designed to help guide residents in a career as surgeon-scientists
- 03 Anatomy Instructor - CCF School of Enterostomal Therapy Nursing
- 95 Excellence in Teaching Award - Stanford University Department of Biology

INTERNATIONAL UROLOGY

- 04 Guatemala (Healing the Children Foundation) – Pediatric Urology
- 04 Mongolia (International Volunteers in Urology) – Minimally Invasive Surgery