

JESSE N. MILLS, M.D.

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Denver, Colorado 80211
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EMPLOYMENT

2008-Present

The Urology Center of Colorado (TUCC)
Staff Urologist
Fellowship trained in Male Fertility and Sexual Medicine
Denver, Colorado

EDUCATION

2010

American Board of Urology, Board Certification

2007-2008

Baylor College of Medicine
Scott Department of Urology
Fellow, Male Reproductive Medicine and Surgery under
Dr. Larry Lipshultz
Houston, Texas

2003-2007

University of Colorado Health Sciences Center
Urology Resident
Denver, Colorado

2001-2003

University of Colorado Health Sciences Center
General Surgery Intern and Resident
Denver, Colorado

1997-2001

University of Iowa, College of Medicine
Medical Doctorate
Iowa City, Iowa

1996-1997

University of Missouri
Masters Program in Molecular Nutrition
Columbia, Missouri

1994-1996

University of Towson
Post-baccalaureate Premedical Program
Towson, Maryland

1989-1994

University of California, Los Angeles
Bachelor of Arts, *cum laude*
Russian Language and Literature
Emergency Medical Technician License
Los Angeles, California

PUBLICATIONS AND PRESENTATIONS

Jia, H.P., Mills, J.N., et al: Molecular cloning and characterization of rat genes encoding homologues of human beta-defensins. *Infection and Immunity*, 67(9):4827-33, 1999

Mills, J.N., Nguyen, T.T., Williams, R.D.: Falsely increased beta-human chorionic gonadotropin with a testicular epidermoid cyst. *J Urol* 2001 Dec;166 (6):2314

Mills, J.N., North American Cystic Fibrosis Conference, 12th Annual: Rat genes encoding homologues of the human beta defensins: Molecular cloning and characterization. Montreal, Canada: October 1998

Mills, J.N., American Urological Association, South Central Section (AUA-SCS), Genitourinary tuberculosis presenting as a prostatic abscess. Colorado Springs, Colorado: October 2002

Mills, J.N., AUA-SCS, Lumps, limps and lithiasis: Atypical presentations of testis tumors. Boston, Massachusetts: September 2003

Mills, J.N., AUA-SCS, Surgical management of a urethral foreign body. Dublin, Ireland: September 2004

Barqawi, A., Crawford, E.D., O'Donnell, C.O., Mills, J.N., Roehrborn, C.G., The effect of active lifestyle and comorbidities on overall sexual health in the aging male. AUA Annual Meeting, San Antonio, Texas: May 2005

Mills, J.N., Barqawi, A., Crawford, E.D., O'Donnell, C.O., Horninger, W., Bartsch, G., The predictive value of PSA derivatives in predicting prostate cancer using artificial neural network model based on age, volume, and digital rectal exam. AUA-SCS, Austin, Texas: September 2005

Mills, J.N., Gewehr, E., Koul, H., Meacham, R.B., Kim, F., Laparoscopic partial nephrectomy: initial experience. AUA-SCS, Austin, Texas: September 2005

Mills, J.N., Frank, D., Mandar, R., Wilson, S., Koul, H., Pace, N., Culture independent molecular analysis of microbial constituents of semen from men with Class IIIA and IIIB prostatitis. AUA-SCS, Austin, Texas: September 2005

Gewehr, E., Mills, J.N., Wilson, S., Pieluigi, B., Kim, F., Intracorporeal management of the bladder cuff during laparoscopic nephroureterectomy for upper tract transitional cell carcinoma. AUA-SCS, Austin, Texas: September 2005

Mills, J.N., Barqawi, A., Koul, S., Koul, H., Meacham R.B., The molecular basis of erectile dysfunction: from bedside to bench. *Reviews in Urology*: September 2005

Mills, J.N., Brant, W., Furness, P., Mingin, G., Koyle, M.A., The changing face of testis tumors. Grand Rounds in Urology: September 2005

Mills, J.N., Petty, J.K., Koyle, M.A., et al: Retroperitoneal neuroblastoma causing urinary obstruction in a 5-month-old boy. Oncology: February 2006

Dall'Era, J., Koul, S., Mills J.N., Myers, J., Meacham, R.B., Koul, H. In vivo transfection of rat corpus cavernosum using a non-viral, linear polyethylenimine gene delivery system: a novel application. AUA Annual Meeting, Atlanta, Georgia: May 2006

Crawford, E.D., O'Donnell, C., Morgentaler, A., Stone, N., Mills, J.N., Barqawi, A. Diurnal serum testosterone variation in aging men: cross-sectional analysis from a large national screening program reveals only a modest decline beginning in the mid-afternoon. AUA Annual Meeting, Atlanta, Georgia: May 2006

Mills, J.N., Donohue, R.D., Testis tumors in the acute scrotum. SCS AUA Annual Meeting, Santa Fe, NM: October 2006

Kim, F., Mills, J.N., Koul, H. Laparoscopic partial nephrectomy with hilar control. SCS AUA Annual Meeting, Santa Fe, NM: October 2006

Mills, J.N., Dall'Era, J., Koul, S., Carlsen, S.N., Meacham, R.B., Koul, H. VEGF gene therapy using a non-viral delivery system improves erectile function in diabetic rats. American Society for Reproductive Medicine Annual Meeting, New Orleans, LA: October 2006

Dall'Era, J.E., Mills, J.N., Koul, H.K., Meacham, R.B. Penile rehabilitation after radical prostatectomy: important therapy or wishful thinking? Reviews in Urology 2006;8(4):209-15

Mills, J.N., Meacham, R.B. Evaluation of unexplained secondary azoospermia. Journal of Andrology 2006; December

Mills, J.N., Dall'Era, J.E., Carlsen, S.N., Koul H.K., Meacham, R.B. Gene therapy for erectile dysfunction. Pharmacogenetics. Submitted for publication, April 2007

Carlsen S.N., Dall'Era, J.E., Mills, J.N., Koul, S., Meacham, R.B., Koul, H.K. Erectile function in a diabetic rat model is improved using a non-viral gene delivery system via smooth muscle and endothelial cell proliferation. AUA annual meeting, abstract 682, Anaheim, California, May 2007

Dall'Era, J.E., Carlsen, S.N., Mills, J.N., Koul, S., Meacham, R.B., Koul, H.K. Vascular endothelial growth factor (VEGF) gene therapy in combination with daily oral sildenafil improves erectile function in a diabetic rat model. AUA annual meeting, abstract 793, Anaheim, California, May 2007

Jia, H.P., Mills, J.N., et al: Molecular cloning and characterization of rat genes encoding homologues of human beta-defensins. *Infection and Immunity*, 67(9):4827-33, 1999

Mills, J.N., Nguyen, T.T., Williams, R.D.: Falsely increased beta-human chorionic gonadotropin with a testicular epidermoid cyst. *J Urol* 2001 Dec;166(6):2314

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Mills, J.N., Barqawi, A., Crawford, E.D., O'Donnell, C.O., Horninger, W., Bartsch, G., The predictive value of PSA derivatives in predicting prostate cancer using artificial neural network model based on age, volume, and digital rectal exam. AUA-SCS, Austin, Texas: September 2005

Mills, J.N., Gewehr, E., Koul, H., Meacham, R.B., Kim, F., Laparoscopic partial nephrectomy: initial experience. AUA-SCS, Austin, Texas: September 2005

PROTOCOLS AND GRANTS

Mills, J.N., Meacham, R.B., Koul, H., Gene therapy for erectile dysfunction in the rat. Center for Laboratory Animal Care, UCHSC: Active through 2007

Mills, J.N., Meacham, R.B., Koul, H., The role of sildenafil in diabetic erectile dysfunction following regeneration of vascular endothelial cells. Independent Research Grant, Pfizer, Inc.: September 2004

Mills, J.N., Meacham, R.B., Kim, F., Koul, H., Discovering Medical Science, an introduction to urology. Unrestricted Educational Grant, Pfizer, Inc.: October 2004

MEDIA PRESENTATIONS/INTERVIEWS

Interview with Al Wilson, linebacker, Denver Broncos, ABC, CBS and NBC network affiliates, September, 2004, Prostate Cancer Awareness Week

What every man needs to know about prostate cancer, News Radio KNUS 710, Denver, Colorado, July, 2006

Gene therapy may improve sexual dysfunction in men. Ian Sample, The Guardian, Friday, October 27, 2006

Genetic therapy for a troubled sex life. Mark Henderson, London Times online, Friday, October 27, 2006

Value of prostate cancer screening. Channel 4 News, Denver, Colorado, September 2, 2009

Prostate Cancer Awareness. AccessRx.com, Expert Interview September, 2010

PROFESSIONAL MEMBERSHIPS

American Urological Association
South Central Section, American Urological Association
Rocky Mountain Urological Society
American Association of Clinical Urologists
Colorado Medical Society
American Society for Reproductive Medicine
Society for Male Reproduction & Urology
Sexual Medicine Society of North America
Society of Urologic Prosthetic Surgeons

HOSPITAL AFFILIATIONS

Colorado Center For Reproductive Medicine
Craig Hospital
Lutheran Medical Center
Porter Adventist Hospital
Presbyterian/St. Luke's Hospital
St. Anthony's Central Hospital
St. Anthony's North Hospital
St. Joseph's Hospital
Swedish Medical Center
Urologic Surgery Center of Colorado

LANGUAGES

French, Russian, Spanish

AWARDS RECEIVED

1998 NIH Summer Fellowship in basic sciences
University of Iowa College of Medicine, Paul McCray, M.D., mentor

2001 Intern of the Year, Department of Surgery
University of Colorado Health Sciences Center

2001 Outstanding Clinical Educator, School of Medicine
University of Colorado

2004 Resident Research Award, Division of Urology
University of Colorado Health Sciences Center

2006 Society for Male Reproduction & Urology Traveling Scholars Program.
New Orleans, LA

2010 America's Top Urologists

SPEAKER'S BUREAU

Auxilium Pharmaceuticals