

DARIUS A. PADUCH, M.D., PH.D.

PROFESSIONAL ADDRESS:

Brady Urological Health Center, Weill Medical College of Cornell University
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EDUCATION:

- B.S., Biochemistry, Copernicus Gymnasium, Kolobrzeg, Poland
1982 – 1986
- M.D. Degree, *Medical Academy of Lodz, Poland*,
1986 – 1993
1990 – 1993 MD/PhD Research Student status
- Ph.D. Degree in Applied Medical Sciences – Molecular Microbiology / Pediatric Surgery
1990 – 2002, *Medical Academy of Lodz, Poland, Polish Mother's Institute for Medical Research, Lodz, Poland*
- Residency in Urology, *Oregon Health and Science University, Portland, OR*
1996 – 2002
- Fellowship in Male Infertility and Andrology, *Weill Medical College of Cornell University, New York, NY*
Postdoctoral Fellowship in Molecular Reproductive Biology, *Center for Biomedical Research, Population Council, New York, NY*
2003 – 2005

IMMIGRATION STATUS: citizen of USA

WORK EXPERIENCE:

- Instructor in Pediatric Surgery, Staff Scientist
1993 – 1995, *Dept. of Pediatric Surgery, Polish Mother's Memorial Hospital, Lodz, Poland*,
- Intern in Internal Medicine
1995 – 1996, *Mercy Catholic Medical Center, Darby, PA*
- Resident in Urology
1996 – 2002, *Oregon Health and Science University, Portland, OR*
- Assistant Professor of Surgery
2002 – 2003, *Div. of Urology, Oregon Health and Science University, Portland, OR*
- Instructor in Urology, Postdoctoral Fellow,
2003 – 2005, *Dept. of Urology, Weill Medical College of Cornell University, New York, NY*
- Assistant Professor of Urology and Reproductive Medicine, *Brady Urologic Health Center, Cornell Institute for Reproductive Medicine, New York, NY*
2005 – present
- Associate Research Director of Fellowship Program in Male Infertility, Department of Urology and Reproductive Medicine, Weill Cornell Medical College,
2008-present

AWARDS and HONORS:

- Cook Urology Travel Award, American Society of Andrology, *Seattle, 2005*
- In-Training Award of American Society for Reproductive Medicine, *Philadelphia, 2004*
- New Investigator Award, American Society of Andrology, *Baltimore, 2004*
- Thomas C. Chang Trainee Travel Award, American Society of Andrology, *Baltimore, 2004*
- Miley B. Wesson Western Section AUA Award, *Anchorage, 2001*
- Society for Male Reproduction and Urology Traveling Award, *Orlando, 2001*
- Scholar in Marine Biological Laboratory (Frontiers in Reproduction), *Woods Hole, 2001*
- Pfizer Scholars in Urology Award, *Portland, 2001*

- C.V. Hodges Best Resident Paper, *Portland, 1999*
- AAP, Section on Urology; 1st Place in Clinical Research Prize Award, *San Francisco, 1995*

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS:

- American Urological Association
- American Society for Reproductive Medicine
- American Society of Andrology
- Endocrine Society

SPECIAL TRAINING

- NIH, NIDDK Clinical research in Kidney and Urologic Diseases course, Washington, DC, 2004
- Responsible Conduct of Research certificate, IRB, Weill Medical College, NYC, NY, 2004
- Laboratory Safety Course, Rockefeller University, NYC, NY, 2003
- Laboratory Radiation Safety Course for PI, Weill Medical College, NYC, NY, 2003
- Research Integrity Training for Principal Investigators, 2008

LICENSURE:

State of New York, unlimited, current, active, 227386-1,
 State of Oregon, unlimited, current, inactive, MD24101,
 DEA certificate, current, BPXXXXXX,

PUBLICATIONS – without published abstracts

1. Paduch DA, Godlewski A, Chilarski A. The effects of unilateral testicular torsion on the contralateral testis in Lewis rats. *Surg Childh Intern III*,1,35-40,1995
2. Niedzielski J, Paduch DA. Młodzienne zylaki powrózka nasiennego. [Adolescent varicocele]. *Mag Med* 1995:13.
3. Paduch DA, Niedzielski J. Semen analysis in young men with varicocele: preliminary study. *J Urol* 1996; 156:788-90.
4. Niedzielski J, Paduch D, Raczynski P. Assessment of adolescent varicocele. *Pediatr Surg Int* 1997; 12:410-3.
5. Paduch DA, Niedzielski J. Repair versus observation in adolescent varicocele: a prospective study. *J Urol* 1997; 158:1128-32.
6. Paduch DA, Skoog SJ. Diagnosis, evaluation and treatment of adolescent varicocele. *Digital Urology Journal* 1997.
7. Paduch DA, Niedzielski J, Skoog SJ. Diagnosis, evaluation and treatment of adolescent varicocele. *Med Sci Monit* 1999; 5:1255-1267.
8. Vetto J, Jun SY, Paduch D, Eppich H, Shih R, Paduch D. Stages at presentation, prognostic factors, and outcome of breast cancer in males. *Am J Surg* 1999; 177:379-83.
9. Paduch DA, Conlin M, Dematos A, et al. Arterial duodenovesical fistula after simultaneous pancreas and kidney transplantation. *J Urol* 2000; 164:1296.
10. Niedzielski J, Paduch DA. Recurrence of varicocele after high retroperitoneal repair: implications of intraoperative venography. *J Urol* 2001; 165:937-40.
11. Paduch DA, Barry JM, Arsanjani A, Lemmers MJ. Indication, surgical technique and outcome of orthotopic renal transplantation. *J Urol* 2001; 166:1647-50.
12. Paduch DA, Skoog SJ. Current Management of Adolescent Varicocele. *Rev Urol* 2001; 3:120-133.
13. Janoff DM, Davol P, Hazzard J, Lemmers MJ, Paduch DA, Barry JM. Computerized tomography with 3-dimensional reconstruction for the evaluation of renal size and arterial anatomy in the living kidney donor. *J Urol* 2004; 171:27-30.
14. Paduch DA, Skoog SJ. Diagnosis, evaluation and treatment of adolescent varicocele. *ScientificWorldJournal* 2004; 4 Suppl 1:263-78.

15. Przewratil P, Paduch DA, Kobos J, Niedzielski J. Expression of estrogen receptor alpha and progesterone receptor in children with undescended testicle previously treated with human chorionic gonadotropin. *J Urol* 2004; 172:1112-6.
16. Paduch DA. The journey of a trainee. *J Androl* 2005; 26:176-7.
17. Paduch DA., FastStart High Fidelity PCR system simplifies study of epigenetics and DNA methylation. *Biochemica* 2005, 2:19-20
18. Paduch DA, Niedzielski J.: Biomedical materials. Part I: Definition of the biological film (biofilm) and physiochemical bases of the adhesion of organic substances to biomaterials. *Chirurgia Polska, [Polish Surgery], 2005, VOL 7; No 3, pages 180-191*
19. Paduch DA, Niedzielski J.: Biomedical materials. Part II: Assessment of the adhesion of *Escherichia coli* to biomedical materials in an original dynamic flow system. *Chirurgia Polska [Polish Surgery], 2005, VOL 7; No 4, pages 252-266,*
20. Paduch DA, Mielnik A, Schlegel PN. Novel mutations in testis specific ubiquitin protease 26 gene may cause male infertility and hypogonadism. *Reprod Biomed Online.* 2005 June;10(6):524-7
21. Schlegel PN, Paduch DA.: Yet another test of sperm chromatin structure. *Fertil Steril.* 2005 Oct;84(4):854-9
22. Paduch DA. Testicular cancer and infertility. *Curr Opin Urol.* 2006 Nov;16(6):419-27
23. Oktem, O., Paduch, D. A., Xu, K. P., Mielnik, A., Oktay, K.: Normal female phenotype and ovarian development despite the ovarian expression of the sex-determining region of y chromosome (SRY) in a 46,XX/69,XXY diploid/triploid mosaic child conceived after in vitro fertilization-intracytoplasmic sperm injection. *Journal of Clinical Endocrinology and Metabolism*, **92**: 1008, 2007
24. Paduch DA. Viral Lower Urinary Tract Infections. *Current prostate reports* 2007;5(1):40-50.
25. Muller A, Tal R, Donohue JF, et al. The effect of hyperbaric oxygen therapy on erectile function recovery in a rat cavernous nerve injury model. *J Sex Med.* Mar 2008;5(3):562-570.
26. Mulhall JP, Muller A, Donohue JF, et al. The functional and structural consequences of cavernous nerve injury are ameliorated by sildenafil citrate. *J Sex Med.* May 2008;5(5):1126-1136.
27. Bayne A, Paduch, DA, Skoog, S.:Pressure, Fluid and anatomical characteristics of abdominoscrotal hydroceles in infants. *J. Urol.*, Aug, 2008
28. Paduch, DA.: Editorial comment: Transient Asynchronous Testicular Growth in Adolescent Males with Varicocele, *J. Urol*, 180, 2008
29. Paduch DA, Fine R, Bolyakov A, Kiper J.: New concepts in Klinefelter syndrome. *Curr Opin Urology*, 18,1-7, 2008
30. Paduch, DA, .: Evaluation and treatment of male pelvic pain syndromes and sexual dysfunction. *Current Prostate Reports*, 6, 2008
31. Paduch D.A., Bolyakov A., Pacik D., Kiper J. Sexual dysfunction in men – update on pathophysiology, imaging, and management techniques of orgasmic and ejaculatory dysfunction. *Eur Androl Suppl* 2008;2(1):32
32. Paduch D.A., Bolyakov A., Pacik D., Kiper J. Andrology in 21st Century – Making Positive Impact on Men’s Health, *Eur Androl Suppl* 2008;2(1):32
33. Paduch DA, Kiper J, Bolyakov A, Vaucher L.: Osteopenia and osteoporosis in young hypogonadal men presenting with infertility or sexual dysfunction – clinical experience., *Journal of Andrology*, pending revision
34. Paduch, DA, Bolyakov, A, Cohen, P, Travis, A.: Reproduction in men with Klinefelter Syndrome – the past, the present, and the future. *Seminars in Reproductive Medicine*, accepted for publication

Book chapters:

1. Paduch, DA, Fuchs, EF: Chapter 9: Office evaluation of male. In "Office Andrology" by Patton, P.E., Bataglia, D.E., Humana Press, 2005 ISBN: 1-58829-318-1
2. Fuchs, EF, Paduch, DA: Chapter 12: 2005 Vasectomy Reversal. In "Office Andrology", by Patton, P.E., Bataglia, D.E. Humana Press, ISBN: 1-58829-318-1
3. Paduch, DA, Schlegel, PN: Chapter: Male hypogonadism. "Essential Pediatric Endocrinology and Metabolism" by Sarafoglou, Kyriakie/ Hoffman, Georg/ Moran, Antoinette, 2006 ISBN: 0071439153
4. Paduch, DA, Goldstein, M, Rosenwaks, Z.: Chapter 34: New developments in the evaluation and management of the infertile male., in Male Infertility by Kruger, T and Oehninger, S, 2006, ISBN: 0415397421

Invited Talks

Location	Event	Title	Date
New York, NY	KS&A NY Metropolitan Support Group	Early management of Klinefelter syndrome	5/6/2006
New York, NY	2006 AFA National Fertility and Adoption Conference	It's in the Male: Part 2	5/7/2006
St. Louis, MO	AAKSIS 7 th National Conference	Developments in Hormonal Manipulation During Childhood, Adolescence and Adulthood	7/20/2006
Philadelphia, PA	2006 XXY Conference	Molecular biology and clinical aspects of testicular failure in adolescents with 47,XXY and 48,XXYY	10/13/2006
New York, NY	Friday Fellow Lecture- Cornell University	Disorders of sexual differentiation	10/27/2006
New York, NY	Grand Rounds- Cornell University	Testosterone Replacement – truth and myths.	12/18/2006
New York, NY	US Too! Support Group	Testosterone and Prostate Cancer	12/21/2006
New York, NY	Andrology- Cornell University	From Race to Halo: Interpretation of Laboratory Results in Andrology	2/13/2007

New York, NY	Family Matters: National Fertility and Adoption Conference	It's Not Only About the Child, It's Also About the Father; How Evaluation of Infertile Men Can Improve Men's Health	4/29/2007
Chicago, IL	3 rd Meeting of Midwest Reproductive Symposium	Male Infertility Update – From the Lab Bench to Your Practice	6/9/2007
Chicago, IL	AAKSIS National Conference	New insight in early diagnosis of Klinefelter syndrome	6/22/2007
Salzburg, Austria	ESU Masterclass Seminar	Invited Faculty Chronic pelvic pain syndrome in men Testosterone replacement therapy in 21 st Century Postprostatectomy sexual dysfunction	7/15/2007-7/21/2007
New York, NY	Annual Meeting – Andrological Section of Czech Urological Society	Screening for Y Chromosome Microdeletion, Clinical Relevance and Critical Issues in Interpretation and Methodology	9/14/2007
New York, NY	Annual Meeting – Andrological Section of Czech Urological Society	Demystifying Testosterone Replacement Therapy	9/15/2007
Washington, D.C.	ASRM 2007	Moderator, Male Reproduction and Urology Abstracts	10/15/2007
New York, NY	KS&A Scientific Meeting	New Directions in Translational Research – Overview of Current and Future Basic Science Projects and Magnetic Resonance Spectrometry Study in Assessment of Testicular Function	10/19/2007
New York, NY	NY Chapter Klinefelter Parents Meeting	Testosterone replacement therapy in boys and adolescents with sex chromosome aberrations.	10/20/2007
New York, NY	Columbia University, Department of Pediatric Endocrinology	Molecular basis of testicular dysfunction in children.	3/2008
Ontario on the Lake, Ontario, Canada	10th International Conference on Long-Term Complications of	Male fertility preservation – facilities and techniques.	6/7/2008

	Treatment of Children and Adolescents for Cancer		
Minneapolis/St. Paul	Annual meeting of American Association for Klinefelter Syndrome Information and Support	Update on evaluation, management and long term care of children and adults with Klinefelter syndrome.	
Prague, Czech Republic	Annual Meeting of the Andrological Section of the Czech Urological Society	Sexual dysfunction in men – update on pathophysiology, imaging, and management techniques of orgasmic and ejaculatory dysfunction.	6/12/2008-6/16/2008
		Andrology in 21st Century – making positive impact on men's health	
Denver, Colorado	Annual meeting of Klinefelter Syndrome and Associates	New concepts in fertility preservation in adolescents with Klinefelter syndrome	8/10-11/2008
		Sexual function and pubertal issues in adolescents with Klinefelter syndrome.	

Updated 8/19/2008