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CURRENT POSITION:

Assistant Professor of Urology, University of Pittsburgh School of Medicine.
Director of Pediatric Urology Research, Children's Hospital of Pittsburgh.
Pittsburgh, PA. 2002 – present.

EDUCATION:

Harvard College. B.A., Chemistry, 1989. Cambridge, MA.

University of Pennsylvania School of Medicine. M.D., 1993. Philadelphia, PA.

TRAINING:

Resident in Urology. University of California, San Francisco, 1993 - 1999.
San Francisco, CA.

Fellow in Pediatric Urology. Children's Hospital of Philadelphia, 1999 - 2002.
Philadelphia, PA.

AWARDS:

Magna Cum Laude with Highest Honors. Harvard College, 1989.

American Foundation for Urologic Disease Summer Student Scholarship.
University of Pennsylvania School of Medicine, 1990.

National Kidney Foundation of Northern California Research Grant.
University of California, San Francisco, 1997 - 1998.

Pfizer Scholars in Urology Award. University of California, San Francisco, 1998.

Western Section American Urologic Association, Miley-Wesson Resident Essay Contest.
Third Place, 1998.

Fellowship research conducted under NIH K12 training grant, DK002196.
Dr. Samuel Chacko, Division of Urology, University of Pennsylvania, 2000 - 2002.

FUNDING:

NIH: K08 DK065759, "Afferent signaling in voiding reflex maturation",
Mentor: Dr. William C. de Groat. Feb. 15, 2004 - Nov. 30, 2006. \$342,300.

PEER-REVIEWED PUBLICATIONS:

1. Huff, DS, **Wu, HY**, Snyder, HM, Hadziselimovic, F, Blyth, B, Duckett, JW:
Evidence in favor of the mechanical (intrauterine torsion) theory over the endocrinopathy (cryptorchidism) theory in the pathogenesis of testicular agenesis. *J Urol*, 146(2):630-1, 1991.
2. **Wu, HY**, Broderick, GA, Suh, JK, Hypolite, JA, Levin, RM: Effects of purines on rabbit corpora cavernosum contractile activity. *Int J Impotence Research*, 5(3):161-7, 1993.
3. **Wu, HY**, Baskin, LS, Kogan, BA: Neurogenic bladder dysfunction due to myelomeningocele: neonatal versus childhood treatment. *J Urol*, 157(6):2295-7, 1997.
4. **Wu, HY**, Kogan, BA, Baskin, LS, Edwards, LSB: Long-term benefits of early neurosurgery for lipomyelomeningocele. *J Urol*, 160(2):511-4, 1998.
5. **Wu, HY**, Baskin, LS, Liu, W, Li, YW, Hayward, SW, Cunha, GR: Understanding bladder regeneration: Smooth muscle ontogeny. *J Urol*, 162 (3):1101-1105, 1999.
6. Nguyen, HT, **Wu, HY**, Baskin, LS, Kogan, BA: High urinary flow accelerates renal injury in young rats with partial unilateral ureteral obstruction. *J Urol*, 163(6):1904-1907, 2000.
7. Fenig, DM, Snyder, HM, **Wu, HY**, Canning, DA, Huff, DS: The histopathology of iatrogenic cryptorchid testes: An insight into etiology. *J Urol*, 165(4):1258-1261, 2001.
8. Metro, MJ, **Wu, HY**, Snyder, HM, Zderic, SA, Canning, DA: Buccal mucosal grafts: Lessons learned from an eight year experience. *J Urol*, 166(4):1459-1461, 2001.
9. **Wu, HY**, Rusnack, SL, Bellah, RD, Canning, DA, Plachter, N, McDonald-McGinn, DM, Zackai, EH: Genitourinary malformations in chromosome 22q11.2 deletion. *J Urol*, 168(6): 2564-2565, 2002.
10. Rusnack, SL, **Wu, HY**, Huff, DS, Snyder, HM, Zderic, SA, Carr, MC, Canning, DA: The ascending testis and the testis undescended since birth share the same histopathology. *J Urol*, 168(6): 2590-2591, 2002.
11. Schwab, CW, **Wu, HY**, Selman, H, Smith, GHH, Snyder, HM, Canning, DA: Spontaneous resolution of vesicoureteral reflux: A 15 year perspective. *J Urol*, 168(6): 2594-2599, 2002.

12. Thomas, AD, **Wu, HY**, Canning, DA, Snyder, HM: Spontaneous regression of cystic dysplasia of the testis. *J Urol*, 169(2): 645, 2003.

13. Rusnack, SL, **Wu, HY**, Huff, DS, Snyder, HM, Carr, MC, Bellah, RD, Zderic, SA, Canning, DA: Testis histopathology in cryptorchid boys correlates with future fertility potential. *J Urol*, 169(2): 659-662, 2003.

14. **Wu, HY**, Zderic, SA, Wein, AJ, Chacko, S: Decrease in maximal force generation in the neonatal mouse bladder corresponds to shift in myosin heavy chain isoform composition. *J Urol*, 171(2): 841-844, 2004.

15. Stein, RJ, Noh, PH, **Wu, HY**: Urinary ascites without hydronephrosis in a neonate with urethral atresia. *Urology*, 66: 432.e7-432.e8, 2005.

Wu, HY and de Groat, WC: Maternal separation uncouples reflex from spontaneous voiding in rat pups. Accepted, *Journal of Urology*.

Colen, J, Docimo, SG, Staniski, K, Sweeney, DD, Wise, B, Brandt, P, **Wu, HY**: Dysfunctional elimination syndrome is a negative predictor for vesicoureteral reflux. Submitted to *Journal of Urology*.

Ng, YK, de Groat, WC, **Wu, HY**: Calcium-activated potassium channel regulation of spontaneous activity in the neonatal rat bladder. Submitted to *American Journal of Physiology*.

Ng, YK, de Groat, WC, **Wu, HY**: M₂ receptors and muscarinic regulation of bladder spontaneous contractions. Submitted to *Journal of Pharmacology and Experimental Therapeutics*.

CHAPTERS and INVITED REVIEWS:

1. **Wu, HY** and Baskin, LS: Wound Healing. *AUA Update Series*, Volume XVIII, No. 17. Houston, 1999.

2. **Wu, HY**, Baskin, LS, Blakey, C, Goodman, J, Cunha, GR: Ultrastructural smooth muscle ontogeny of the rat bladder. In: *Advances in Bladder Research*, AEMB: 462, 93-103. Editors: Baskin, LS and Hayward, SW. Plenum, New York, 1999.

3. **Wu, HY**, Bellah, RD, and Snyder, HM: Radiologic evaluation of the pediatric urinary tract. *E-medicine, Pediatrics*, 2001. (www.emedicine.com/ped/topic2751.htm)

4. Rusnack, SL, **Wu, HY**, Huff, DS, Snyder, HM, Carr, MC, Bellah, RD, Zderic, SA, Canning, DA: Testis histopathology in cryptorchid boys correlates with future spermograms. *Dialogues in Pediatric Urology*, Dec. 2001.

5. **Wu, HY** and Canning, DA: The “full valve-bladder syndrome”. In: Progress in Paediatric Urology, Vol. 4, 64-73. Editor: McLorie, GA. Penwel Publishers, London, 2001.
6. **Wu, HY** and Kolon, TF: Cryptorchidism. In: The 5 Minute Pediatric Consult, 3rd ed, 294-295. Editor: Schwartz, MW. Lippincott, Williams & Wilkins, Philadelphia, 2003.
7. **Wu, HY** and Snyder, HM: Vesicoureteral reflux. In: The 5 Minute Pediatric Consult, 3rd ed, 872-873. Editor: Schwartz, MW. Lippincott, Williams & Wilkins, Philadelphia, 2003.
8. **Wu, HY** and Snyder, HM: Advances in pediatric urologic oncology. AUA Update Series, Volume XXII, No. 4. Houston, 2003.
9. **Wu, HY** and Docimo, SG: Orchidopexy including Laparoscopic Orchidopexy. In: Atlas of the Urologic Clinics of North America, Common Pediatric Surgical Procedures. 12(1): 15-25. Editor: Caldamone, AA. WB Saunders, Philadelphia, 2004.
10. **Wu, HY** and Docimo, SG: Surgical management of children with urolithiasis. In: Urologic Clinics of North America 31: 589-594. Editors: Canning, DA and Kolon, TF. WB Saunders, Philadelphia, 2004.
11. **Wu, HY** and Snyder, HM: Pediatric Genitourinary Oncology: Bladder, Prostate, and Testis. In: Urologic Clinics of North America 31: 619-627. Editors: Canning, DA and Kolon, TF. WB Saunders, Philadelphia, 2004.
12. **Wu, HY** and Snyder, HM: Childhood rhabdomyosarcoma. In: Glenn’s Urologic Surgery, 6th ed, 749-752. Editor: Graham, S. Lippincott, Williams & Wilkins, Philadelphia, 2004.
13. **Wu, HY** and Snyder, HM: Rhabdomyosarcoma. www.urologyhealth.org. 2004.
14. **Wu, HY** and Snyder, HM: Rhabdomyosarcoma of the pelvis and paratesticular structures. In: Urologic Oncology, 773-779. Editors: Richie, JP and D’Amico, A. Elsevier Saunders, Philadelphia, 2005.
15. **Wu, HY** and Snyder, HM: Developmental and positional renal anomalies. In: Pediatric Surgery, 4th ed, 723-731. Editors: Ashcraft, KW, Holcomb, GW, Murphy, JP. Elsevier Saunders, Philadelphia, 2005.
16. **Wu, HY**, Snyder, HM, D’Angio GJ. Management of Wilms’ tumor. Current Opinion in Urology, 15: 273-276, 2005.
17. **Wu, HY** and Ferrer, FA: Pediatric Urologic Oncology. In: Business Briefing: US Pediatric Healthcare 2005, 51-53. Touch Briefings, London, 2005

18. **Wu, HY** and Kolon, TF: Cryptorchidism. In: The 5 Minute Pediatric Consult, 4th ed, 300-301. Editor: Schwartz, MW. Lippincott, Williams & Wilkins, Philadelphia, 2005.

19. **Wu, HY** and Snyder, HM: Vesicoureteral reflux. In: The 5 Minute Pediatric Consult, 4th ed, 894-895. Editor: Schwartz, MW. Lippincott, Williams & Wilkins, Philadelphia, 2005.

Wu, HY and Wiener, ES: Testicular tumors. In: Pediatric Surgery, 6th ed. Editor: Grosfeld, JL. Elsevier. In press.

Wu, HY and Snyder, HM: Intersex. In: Clinical Pediatric Urology, 5th ed. Editors: Docimo, SG, Canning, DA, Khoury AE. Dunitz. In press.

EDITORIALS:

Wu, HY: Editorial comment to Bower WF, Yip SK, Yeung CK: Dysfunctional elimination symptoms in childhood and adulthood. J Urol, 174(4): 1628, 2005.

INVITED LECTURES:

“Trigonal distortion in ureteroceles.” University of Michigan, 5th Annual Duckett Lecture, July 20, 2001.

“Bad baby bladders: heredity or environment?” University of California, San Francisco, March 2, 2005.

“Neural and smooth muscle maturation in neonatal bladder function.” Children’s Hospital of Philadelphia, July 20, 2005.

SOCIETIES:

American Urological Association, 1996

American Academy of Pediatrics, Fellow, Section on Urology, 2004

Basic science abstract committee, 2005

Society for Fetal Urology, 2004

Society for Pediatric Urology, Fellow, 2005

PEER REVIEWER:

Journal of Urology

Urology

Journal of Pediatric Surgery

Asian Journal of Andrology

HOSPITAL SERVICE:

Clinical Quality Review Committee, 2004 - present

Physician Advisory Committee, 2005 - present