

BIOGRAPHICAL SKETCH

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NAME Hsi-Yang Wu	POSITION TITLE Associate Professor of Urology		
eRA COMMONS USER NAME			
EDUCATION/TRAINING (<i>Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.</i>)			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
Harvard College University of Pennsylvania University of California, San Francisco Children's Hospital of Philadelphia	B.A. M.D. Residency Fellowship	1989 1993 1999 2002	Chemistry Medicine Urology Pediatric Urology

A. Positions and Honors

Positions

- 2002 - 2008 Assistant Professor of Urology, University of Pittsburgh
2008 – present Associate Professor of Urology, Stanford University
2009 – present Program Director, Pediatric Urology Fellowship, Stanford University

Memberships

- American Urological Association (1996)
American Academy of Pediatrics, Section on Urology (2004)
Society for Pediatric Urology (2005)
International Continence Society (2009)

Honors

- Magna Cum Laude with Highest Honors (1989)
American Foundation for Urologic Disease Summer Student Scholarship (1990)
National Kidney Foundation of Northern California Research Grant (1997-1998)
Pfizer Scholars in Urology award (1998)
Western Section, American Urological Association, 3rd place Resident Essay contest (1998)
American Academy of Pediatrics, Section on Urology, 2nd place Basic Science Prize Contest (2009)

B. Selected 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 GH, 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. **Wu HY** and Docimo SG: Surgical management of children with urolithiasis. *Urol Clin North America*, 31: 589-594, 2004.
16. **Wu HY** and Snyder HM: Pediatric Genitourinary Oncology: Bladder, Prostate, and Testis. *Urol Clin North America*, 31: 619-627, 2004.
17. Stein RJ, Noh PH, **Wu HY**: Urinary ascites without hydronephrosis in a neonate with urethral atresia. *Urol*, 66: 432.e7-432.e8, 2005.
18. **Wu HY**, Snyder HM, D'Angio GJ. Management of Wilms' tumor. *Curr Opin Urol*, 15: 273-276, 2005.
19. **Wu HY** and de Groat WC: Maternal separation uncouples reflex from spontaneous voiding in rat pups. *J Urol*, 175(3): 1148-1151, 2006.
20. Colen J, Docimo SG, Staniski K, Sweeney DD, Wise B, Brandt P, **Wu HY**: Dysfunctional elimination syndrome is a negative predictor for vesicoureteral reflux. *J Ped Urol*, 2: 312-315, 2006.
21. Ng YK, de Groat WC, **Wu HY**: Muscarinic regulation of neonatal rat bladder spontaneous contractions. *Am J Physiol, Regul Integr Comp Physiol*, 291: R1049-1059, 2006.
22. LaRosa C, McMullen L, Bakdash S, Ellis D, Krishnamurti L, **Wu HY**, Moritz, ML: Acute renal failure from xanthine nephropathy during management of acute leukemia. *Pediatr Nephrol*, 22(1): 132-135, 2007.
23. Ng, YK, de Groat WC, **Wu HY**: Smooth muscle and neural mechanisms contributing to the down-regulation of neonatal rat spontaneous bladder contractions during postnatal development. *Am J Physiol, Regul Integr Comp Physiol*, 292: R2100-2112, 2007.
24. **Wu, HY** and Gaines, BA: Dirt bikes and ATV's: The real threat to pediatric kidneys. *J Urol*, 178(4): 1672-1674, 2007.
25. Smaldone MC, Cannon GM, **Wu HY**, Bassett JC, Polsky EG, Bellinger MF, Docimo SG, Schneck FX: Is ureteroscopy first line treatment for pediatric stone disease? *J Urol*, 178(5): 2128-2131, 2007.
26. Cannon GM, Smaldone MC, **Wu HY**, Bassett JC, Bellinger MF, Docimo SG, Schneck FX: The ureteroscopic management of lower pole stones in a pediatric population. *J Endourol*, 21(10): 1179-1182, 2007.
27. Cannon GM, Polsky EG, Smaldone MC, Gaines BA, Schneck FX, Bellinger MF, Docimo SG, **Wu HY**: CT findings in pediatric renal trauma: Indications for early intervention? *J Urol*, 179(4): 1529-1533, 2008.
28. Corcoran AT, Smaldone MC, Mally D, Ost MC, Bellinger MF, Schneck FX, Docimo SG, **Wu HY**: When is prior ureteral stent placement necessary to access the upper urinary tract in prepubertal children? *J Urol*, 180(4): 1861-1864, 2008.
29. Artim DE, Kullman FA, Daugherty SL, **Wu HY**, de Groat WC. Activation of the nitric oxide – cGMP pathway reduces phasic contractions in neonatal rat bladder strips via protein kinase G. *Am J Physiol, Renal Physiol*, 297: F333-340, 2009.
30. Wong IYZ, Copp HL, Clark CJ, **Wu HY**, Shortliffe LD. Quantitative ultrasonographic renal parenchymal area correlates with renal volume and identifies reflux nephropathy. *J Urol*, 182(4): 1683-1687, 2009.
31. Ng YK and **Wu HY**: Postnatal development of voiding reflexes and bladder smooth muscle properties: An overview of recent findings. *LUTS*, 1: S74-76, 2009.
32. **Wu HY**, Snyder HM, Womer RB. Genitourinary rhabdomyosarcoma: Which treatment, how much, and when? *J Ped Urol*, 5: 501-506, 2009.
33. Ng YK, **Wu HY**, Lee KH, Yeung CK. Bladder reduction surgery accelerates the appearance of spontaneous voiding in neonatal rats. *J Urol*, 183: 370-377, 2010.

C. Research Support

K08 DK065759. Wu (PI)

2/1/04-11/30/07

NIH/NIDDK

Afferent signaling in voiding reflex maturation.

This study investigated the effect of bladder distension and inflammation on voiding reflexes, and the smooth muscle changes leading to down-regulation of spontaneous bladder contractions.

Role: PI