

PERSONAL INFORMATION

Name: Hsi-Yang Wu

Business Address:

300 Pasteur Drive, S-287
Stanford, CA 94305-5118

EDUCATIONAL BACKGROUND

UNDERGRADUATE

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

GRADUATE

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

RESIDENCY

University of California, San Francisco. San Francisco, CA. Urology, 1993 – 1999.

FELLOWSHIP

Children's Hospital of Philadelphia. Philadelphia, PA. Pediatric Urology, 1999 – 2002.

PROFESSIONAL APPOINTMENTS

8/1/2002 – 7/30/2008 Assistant Professor of Urology, University of Pittsburgh

8/1/2008 – present Associate Professor of Urology at the Stanford University Medical Center

CERTIFICATION and LICENSURE

SPECIALTY CERTIFICATION:

American Board of Urology	2004
Subspecialty certification in Pediatric Urology	2008

MEDICAL LICENSURE:

California	1993 – present
Pennsylvania	1999 – 2008

HONORS and AWARDS

Magna Cum Laude with Highest Honors, Harvard College 1989

Pfizer Scholars in Urology Award, University of California, San Francisco	1998
Western Section American Urologic Association Miley Wesson Resident Essay Contest, Third Place	1998
Children's Hospital of Pittsburgh Patient Satisfaction Top 25 Physicians	2003, 2007
Children's Hospital of Pittsburgh Patient Satisfaction Top 10 Physicians	2006
American Academy of Pediatrics, Section on Urology Basic Science Prize Contest, Second Place	2009
Arline and Pete Harman Endowed Faculty Scholar Stanford University School of Medicine	2012

PUBLICATIONS

Peer reviewed journal articles

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 MSB: 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. *Urol*, 66: 432.e7-432.e8, 2005.
16. **Wu HY** and de Groat WC: Maternal separation uncouples reflex from spontaneous voiding in rat pups. *J Urol*, 175(3): 1148-1151, 2006.
17. 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 Pediatr Urol*, 2: 312-315, 2006.
18. 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.
19. 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.
20. 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.

21. **Wu HY** and Gaines BA: Dirt bikes and all-terrain vehicles: The real threat to pediatric kidneys. *J Urol*, 178(4): 1672-1674, 2007.
22. 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.
23. 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.
24. 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.
25. 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.
26. 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.
27. 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.
28. 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.
29. Buyuknacar HSG, Gocmen C, de Groat WC, Kumcu EK, **Wu HY**, Onder S. Differential effect of L-cysteine in isolated whole bladder preparations from neonatal and adult rats. *J Pharmacol Exp Ther*, 333:228-238, 2010.
30. Chien C, Chang HY, **Wu HY**. Sex differences in neonatal and young adult rat lower urinary tract function caused by bladder reduction. *J Ped Urol*, 11:197.e1-197.e7, 2015.
31. Chien C, **Wu HY**. Young rats exhibit an age and sex dependent bladder response to alpha-antagonists but not beta-agonists. *J Ped Urol*, 12:92.e1-e8, 2016.
32. Balasundaram M, Chock VY, **Wu HY**, Blumenfeld, YJ, Hintz, SR. Predictors of poor neonatal outcomes in prenatally diagnosed multicystic dysplastic kidney disease. *J Perinatology*, 38(6):658-664, 2018.

33. **Wu HY**, Concepcion W, Grimm PC. When does vesicoureteral reflux in pediatric kidney transplant patients need treatment? Accepted, *Pediatr Transplant*, 2018;e13299. doi.org/10.1111/ptr.13299

Peer reviewed publications, other

1. **Wu HY** and Docimo SG: Surgical management of children with urolithiasis. *Urol Clin North America*, 31: 589-594, 2004.

2. **Wu HY** and Snyder HM: Pediatric Genitourinary Oncology: Bladder, Prostate, and Testis. *Urol Clin North America*, 31: 619-627, 2004.

3. **Wu HY**, Snyder HM, D'Angio GJ. Management of Wilms' tumor. *Curr Opin Urol*, 15: 273-276, 2005.

4. 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.

5. **Wu HY**, Snyder HM, Womer RB. Genitourinary rhabdomyosarcoma: Which treatment, how much, and when? *J Ped Urol*, 5: 501-506, 2009.

6. **Wu HY**. Achieving urinary continence in children. *Nat Rev Urol*, 7:371-377, 2010.

7. **Wu HY**. Can evidence based medicine change toilet training practice? *Arab J Urol*, 11:13-18, 2013.

8. **Wu HY**. Surgical management of paediatric bladder / prostate rhabdomyosarcoma. *Arab J Urol*, 11:40-47, 2013.

Non peer reviewed journal articles, reviews, and editorials

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

4. **Wu HY** and Canning DA: The "full valve-bladder syndrome". In: *Progress in Paediatric Urology*, Vol. 4, 64-73. Editor: McLorie GA. Penwell Publishers, London, 2001.

5. **Wu HY** and Snyder HM: Advances in pediatric urologic oncology. AUA Update Series, Volume XXII, No. 4. Houston, 2003.
6. **Wu HY** and Ferrer FA: Pediatric Urologic Oncology. In: Business Briefing: US Pediatric Healthcare 2005, 51-53. Touch Briefings, London, 2005.
7. **Wu HY**: Editorial comment to Bower WF, Yip SK, Yeung CK: Dysfunctional elimination symptoms in childhood and adulthood. J Urol, 174(4): 1628, 2005.
8. **Wu HY**, D'Angio GJ, and Snyder HM: Current controversies in Wilms' tumor therapy. AUA Update Series, Volume XXVI, No. 11. Baltimore, 2007.
9. **Wu HY**: Editorial comment to Kim SS, Kolon TF, Canter D, et al: Pediatric flexible ureteroscopic lithotripsy as first line approach. J Urol, 180(6): 2619, 2008.
10. **Wu HY** and Shortliffe LD: Top-down approach for evaluation of urinary tract infection. Urol, 75(3): 514-515, 2010.
11. Ferrer FA, **Wu HY**, Snyder HM, Womer RB: Bladder/prostate rhabdomyosarcoma. Dialogues in Pediatric Urology, June 2010.
12. **Wu HY**: Maturation of bladder-external urethral sphincter coordination. Dialogues in Pediatric Urology, April 2012.
13. **Wu HY**: Editorial comment to Guo F, Zhang LJ, Liu W, et al: Astrocyte elevated gene-1 overexpression in histological favorable Wilms' tumor is related to poor prognosis. J Ped Urol, 10(2): 323-324, 2014.
14. **Wu HY**: Voiding function and development. Dialogues in Pediatric Urology, October 2014.
15. **Wu HY**: Editorial comment to El Bcheraoui C, Zhang X, Cooper CS, et al. Rates of adverse events associated with male circumcision in US medical settings, 2001 to 2010. 2015 Year Book of Pediatrics, Elsevier, 135-7, 2015.
16. **Wu HY**: Editorial comment to Tasian GE, Pulido JE, Keren R, et al. Use of and regional variation in initial CT staging for kidney stones. 2016 Year Book of Pediatrics, Elsevier, 152-4, 2016.
17. **Wu HY**: Editorial comment to Brock JW, Carr MC, Adzick NS, et al. Bladder function after fetal surgery for myelomeningocele. 2017 Year Book of Pediatrics, Elsevier, 410-2, 2017.
18. Cooper CS, Herndon CDA, **Wu HY**: Editorial, Pediatric Urology Fall Congress 2016. J Ped Urol, 13(4): 340, 2017.

19. **Wu HY**: Book review of Perspectives in Pediatric Pathology, Volume 30. Development and pathology of the pediatric testis. Editors: Nistal M, Reyes-Mugica M. J Ped Urol, 13(5): 531, 2017.

20. Cooper CS, Herndon CDA, **Wu HY**: Editorial, Pediatric Urology Fall Congress 2017. J Ped Urol, 14(4): 316, 2018.

21. **Wu HY**: Editorial comment to Sekerci CA, Tanidir Y, Toprak T, et al. The value of urinary BDNF levels on assessment of the botulinum toxin type A treatment for neurogenic detrusor overactivity in children with myelodysplasia. J Urol, submitted.

Book chapters

1. **Wu HY** and Kolon TF: Cryptorchidism. In: The 5 Minute Pediatric Consult, 3rd ed, 294-295. Editor: Schwartz MW. Lippincott, Williams & Wilkins, Philadelphia, 2003.

2. **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.

3. **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.

4. **Wu HY** and Snyder HM: Childhood rhabdomyosarcoma. In: Glenn's Urologic Surgery, 6th ed, 749-752. Editor: Graham S. Lippincott, Williams & Wilkins, Philadelphia, 2004.

5. **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.

6. **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.

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

8. **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.

9. **Wu HY** and Wiener ES: Testicular tumors. In: Pediatric Surgery, 6th ed, 622-627. Editor: Grosfeld JL. Mosby Elsevier, Philadelphia, 2006.

10. **Wu HY** and Snyder HM: Intersex. In: Clinical Pediatric Urology, 5th ed, 1147-1160. Editors: Docimo SG, Canning DA, Khoury AE. Informa, London, 2007.
11. **Wu HY** and Kolon TF: Cryptorchidism. In: The 5 Minute Pediatric Consult, 5th ed, 236-237. Editor: Schwartz MW. Lippincott, Williams & Wilkins, Philadelphia, 2008.
12. **Wu HY** and Snyder HM: Vesicoureteral reflux. In: The 5 Minute Pediatric Consult, 5th ed, 904-905. Editor: Schwartz MW. Lippincott, Williams & Wilkins, Philadelphia, 2008.
13. **Wu, HY** and Snyder HM: Intersex. In: Clinical Pediatric Urology Study Guide, 207-210. Editors: Shukla AR, Herndon CDA, Austin PF. Informa, London, 2008.
14. **Wu HY**: Commentary on Testis Biopsy and Redo Orchiopexy. In: Hinman's Atlas of Pediatric Urologic Surgery, 2nd ed, 561, 591. Editors: Hinman F, Jr. and Baskin LS. Saunders Elsevier, Philadelphia, 2009.
15. **Wu HY** and Snyder HM: Developmental and positional renal anomalies. In: Pediatric Surgery, 5th ed, 695-702. Editors: Holcomb GW, Murphy JP, Ostlie D. Saunders Elsevier, Philadelphia, 2010.
16. **Wu HY** and Snyder HM: Childhood rhabdomyosarcoma. In: Glenn's Urologic Surgery, 7th ed, 662-665. Editors: Graham S, Keane TA. Lippincott, Williams, and Wilkins, Philadelphia, 2010.
17. **Wu HY** and Canning DA: Robotic Surgery Outcomes: Upper urinary tract. In: Robotic Pediatric and Reconstructive Urology: A Comprehensive Guide, 1st ed, 290-292. Editor: Mohan Gundeti. Blackwell Publishing, 2012.
18. **Wu HY** and Kolon TF: Cryptorchidism. In: The 5 Minute Pediatric Consult, 6th ed, 240-241. Editor: Schwartz MW. Lippincott, Williams & Wilkins, Philadelphia, 2012.
19. **Wu HY** and Snyder HM: Vesicoureteral reflux. In: The 5 Minute Pediatric Consult, 6th ed, 932-933. Editor: Schwartz MW. Lippincott, Williams & Wilkins, Philadelphia, 2012.
20. **Wu HY** and Snyder HM: Developmental and positional renal anomalies. In: Pediatric Surgery, 6th ed, 709-717. Editors: Holcomb GW, Murphy JP, Ostlie D. Saunders Elsevier, London, 2014.
21. **Wu HY**: Cryptorchidism. In: The 5 Minute Pediatric Consult, 7th ed, 248-249. Editor: Cabana MD. Wolters Kluwer, Philadelphia, 2015.
22. Ogunyemi O and **Wu HY**: Neurophysiology of voiding. In: Pediatric Incontinence: Evaluation and Clinical Management, 3-14. Editor: Franco I. Wiley-Blackwell, 2015.

23. **Wu HY**: Cryptorchidism. In: The 5 Minute Pediatric Consult, 8th ed, 246-247. Editor: Cabana MD. Wolters Kluwer, 2019.
24. **Wu HY** and Snyder HM: Developmental and positional renal anomalies. In: Pediatric Surgery, 7th ed. Editors: Holcomb GW, Murphy JP, St Peter S. Elsevier, submitted.
25. Sun AJ and **Wu HY**: Pediatric Urology. In: Anesthesiologist's Manual of Surgical Procedures, 6th ed. Editor: Jaffe RA. Wolters Kluwer, submitted.

Digital publications

1. **Wu HY**, Bellah RD, and Snyder HM: Radiologic evaluation of the pediatric urinary tract. E-medicine, Pediatrics, 2001. www.emedicine.com/ped/topic2751.htm
2. **Wu HY** and Snyder HM: Rhabdomyosarcoma. www.urologyhealth.org. 2004.
3. **Wu HY**, Bellah RD, and Snyder HM: Radiologic evaluation of the pediatric urinary tract. E-medicine, Pediatrics, 2006. www.emedicine.com/ped/topic2751.htm
4. **Wu HY**, Bellah RD, and Snyder HM: Radiologic evaluation of the pediatric urinary tract. E-medicine, Pediatric Surgery, Urology, 2007. www.emedicine.com/ped/topic2751.htm
5. **Wu HY** and Snyder HM: Rhabdomyosarcoma, Kidney cancer in children. www.urologyhealth.org. 2008.
6. **Wu HY**, Bellah RD, and Snyder HM: Radiologic evaluation of the pediatric urinary tract. eMedicine from WebMD. emedicine.medscape.com/article/1016549-overview. Updated April 7, 2010.
7. **Wu HY**: Kidney cancer in children. www.urologyhealth.org. 2011.
8. **Wu HY**, Bellah RD, and Snyder HM: Radiologic evaluation of the pediatric urinary tract. emedicine.medscape.com/article/1016549-overview. Updated July 10, 2012.
9. **Wu HY**: Re: Cranberry juice for the prevention of pediatric urinary tract infection: A randomized controlled trial. f1000.com/717954811. DOI 10.3410/f.717954811.793461171. 2012.
10. **Wu HY**: Re: Antibiotics for treating lower urinary tract infection in children. f1000.com/717954927. DOI 10.3410/f.717954927.793461172. 2012.
11. **Wu HY**: Re: Boys with undescended testes: Endocrine, volumetric and morphometric studies on testicular function before and after orchidopexy at nine months

or three years of age. f1000.com/717958812. DOI 10.3410/f.717958812.793463330. 2012.

12. **Wu HY**: Re: A systematic review on renal and bladder dysfunction after endoscopic treatment of infravesical obstruction in boys. f1000.com/prime/717961990. DOI 10.3410/f.717961990.793464965. 2012.

13. **Wu HY**: Re: Routine neonatal circumcision for the prevention of urinary tract infections in infancy. f1000.com/trials/717964650. DOI 10.3410/f.717964650.793466738. 2013.

14. **Wu HY**: Re: A meta-analysis of the risk of boys with isolated cryptorchidism developing testicular cancer in later life. f1000.com/trials/717969117. DOI 10.3410/f.717969117.793469254. 2013.

15. **Wu HY**: Re: Drugs for nocturnal enuresis in children (other than desmopressin and tricyclics). f1000.com/trials/717969413. DOI 10.3410/f.717969413.793469255. 2013.

16. **Wu HY**: Re: Antibiotic prophylaxis for urinary tract infections in antenatal hydronephrosis. f1000.com/trials/717969628 DOI 10.3410/f.717969628.793469256. 2013.

17. **Wu HY**: Re: Intraoperative infusion of 0.6-0.9 $\mu\text{g}\cdot\text{kg}^{-1}\cdot\text{min}^{-1}$ remifentanyl induces acute tolerance in young children after laparoscopic ureteroneocystostomy. f1000.com/trials/717969681 DOI 10.3410/f.717969681.793469253. 2013.

18. **Wu HY**: Re: A randomized trial of Mogen clamp versus Plastibell for neonatal male circumcision in Botswana. f1000.com/trials/717976435 DOI 10.3410/f.717976435.793471159. 2013.

19. **Wu HY**: Re: Transcutaneous parasacral electrical nerve stimulation in primary monosymptomatic enuresis. f1000.com/prime/718006481. DOI 10.3410/f.718006481.793476688. 2013.

20. **Wu HY**: Re: Randomized clinical trial comparing endoscopic treatment with dextranomer hyaluronic acid copolymer and Cohen's ureteral reimplantation for vesicoureteral reflux: Long-term results. f1000.com/prime/718002148. DOI 10.3410/f.718002148.793476689. 2013.

21. **Wu HY**: Re: Hormone therapy in hypospadias surgery: A systematic review. f1000.com/prime/718006601#eval793476690. DOI 10.3410/f.718006601.793476690. 2013.

22. **Wu HY**: Re: The RIVUR Trial: Profile and Baseline Clinical Associations of Children With Vesicoureteral Reflux. f1000.com/trials/718018870. 2013.

23. **Wu HY**: Re: Osteopathic manipulative treatment for pediatric conditions: a systematic review. f1000.com/trials/718026359. 2013.
24. **Wu HY**: Re: Simple behavioural interventions for nocturnal enuresis in children. f1000.com/trials/718046119. DOI 10.3410/f.718046119.793482056. 2013.
25. **Wu HY**: Re: Percutaneous vesicoamniotic shunting versus conservative management for fetal lower urinary tract obstruction (PLUTO): a randomized trial. f1000.com/trials/718077679. DOI 10.3410/f.718077679.793483577. 2013.
26. **Wu HY**: Re: Slow delivery rate versus rapid delivery rate shock wave lithotripsy (SWL) for pediatric renal urolithiasis: a prospective randomized study. f1000.com/trials/718184601. DOI 10.3410/f.718184601.793488610. 2013.
27. **Wu HY**, Bellah RD, and Snyder HM: Radiologic evaluation of the pediatric urinary tract. emedicine.medscape.com/article/1016549-overview. Updated Jan 29, 2014.
28. **Wu HY**: Re: Autologous cell seeded biodegradable scaffold for augmentation cystoplasty: Phase II study in children and adolescents with spina bifida. f1000.com/prime/718164008. DOI 10.3410/f.718164008.793495434. 2014.
29. **Wu HY**: Re: Antimicrobial prophylaxis for children with vesicoureteral reflux. f1000.com/prime/718373567. DOI 10.3410/f.718373567.793495431. 2014.
30. **Wu HY**: Re: Multi-center randomized controlled trial of cognitive treatment, placebo, oxybutynin, bladder training, and pelvic floor training in children with functional urinary incontinence. f1000.com/prime/718020731. DOI 10.3410/f.718020731.793497658. 2014.
31. **Wu HY**: Re: Multidisciplinary consensus on the classification of prenatal and postnatal urinary tract dilation (UTD classification system). f1000.com/prime/725257762. DOI 10.3410/f.725257762.793506733. 2015.
32. **Wu HY**: Re: Bladder function after fetal surgery for myelomeningocele. f1000.com/prime/725818354. DOI 10.3410/f.725818354.793511504. 2015.
33. **Wu HY**, Bellah RD, and Snyder HM: Radiologic evaluation of the pediatric urinary tract. emedicine.medscape.com/article/1016549-overview. Updated Feb. 2, 2016.
34. **Wu HY**: Re: Proximal hypospadias: A persistent challenge. Single institution outcome analysis of three surgical techniques over a 10-year period. f1000.com/prime/725727400. DOI 10.3410/f.725727400.793514921. 2016.
35. **Wu HY**: Re: Association between uropathogen and pyuria. f1000.com/prime/726441720. DOI 10.3410/f.726441720.793523518. 2016.

36. **Wu HY**: Re: What is the outcome of paediatric gastrocystoplasty when the patients reach adulthood? f1000.com/prime/726435874. DOI 10.3410/f.726435874.793525833. 2016.
37. **Wu HY**: Re: Lack of efficacy of an intradural somatic-to-autonomic nerve anastomosis (Xiao procedure) for bladder control in children with myelomeningocele and lipomyelomeningocele: results of a prospective, randomized, double-blind study. f1000.com/prime/726328392. DOI 10.3410/f.726328392.793525835. 2016.
38. **Wu HY**: Re: Fetoscopic open neural tube defect repair: Development and refinement of a two-port, carbon dioxide insufflation technique. f1000.com/prime/727384282. DOI 10.3410/f.727384282.793530227. 2017.
39. **Wu HY**: Re: Community-onset carbapenem-resistant *Klebsiella pneumoniae* urinary tract infections in infancy following NICU hospitalisation. f1000.com/prime/727449398. DOI 10.3410/f.727449398.793539064. 2017.
40. **Wu HY**: Re: Long-term urinary symptoms in adolescent and adult women with congenital adrenal hyperplasia. f1000.com/prime/732846615. DOI 10.3410/f.732846615.793549334. 2018.
41. **Wu HY**: Re: Proximal hypospadias treated with a transverse preputial island tube: long-term functional, sexual, and cosmetic outcomes. f1000.com/prime. Submitted.
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EDITORIAL SERVICE

Editorial board

Journal of Pediatric Urology, Assistant Editor, 2016 – present

Journal of Pediatric Urology, Fall Congress Supplement, Co-Editor, 2016 – present

Ad hoc journal peer review

Journal of Urology, 2004 – present

Urology, 2004 – present

Journal of Pediatric Urology, 2009 – present

F1000, 2012 – present

American Journal of Physiology - Renal Physiology, 2006, 2017

Asian Journal of Andrology, 2005

BioMed Central Pediatrics, 2016

BioMed Central Urology, 2015 – 2017

Case Reports in Nephrology, 2014

Clinics, 2008

International Brazilian Journal of Urology, 2006

Journal of Autism and Developmental Disorders, 2012

Journal of Pediatric Surgery, 2004

PLOS One, 2018
Science Translational Medicine, 2013

Ad hoc textbook peer review

American Academy of Pediatrics Textbook of Pediatric Care, 2012

GRANTS

Prior Grant Support

American Foundation for Urologic Disease Summer Student Scholarship. 1990.

National Kidney Foundation of Northern California. 1997 – 1998.

K12 NIH-DK002196. Training in Urology. 2000 – 2002.

K08 NIH-DK065759. Afferent signaling in voiding reflex maturation. PI, 75% effort.
2004 – 2007. Mentor: William C. de Groat.

Society for Pediatric Urology. 2011 – 2012.

Arline and Pete Harman Endowed Faculty Scholar, Stanford University School of
Medicine. 2012 – 2015.

SERVICE AS GRANT REVIEW

Lucile Packard Children's Hospital

Child Health Research Institute Grants and Postdoctoral Support Panel Chair, 2014 -
present

UNIVERSITY ADMINISTRATIVE SERVICE

Committee service

Children's Hospital of Pittsburgh

Clinical Quality Review Committee, 2004 – 2007

Physician Advisory Committee, 2005 – 2007

Trauma Medical Advisory Committee, 2005 – 2008

Disorders of Sexual Differentiation Committee, 2007 – 2008

Laser Safety Committee, 2007 – 2008

Lucile Packard Children's Hospital

IS Physician Advisory Group, 2009 – 2017

Quality Improvement for the Management of Children Hospitalized with Urinary Tract
Infection (Q-UTI) Project, Core Clinical Team Member, 2015 – 2016

Stanford University Medical Center

Child Health Research Institute, 2011 – present

Leadership roles

Urology Department

Program Director, Pediatric Urology Fellowship, Stanford, 2009 – present

Course Director, Urology Grand Rounds, 2011 – present

Associate Program Director, Pediatric Urology Fellowship, Stanford, 2008 – 2009

Lucile Packard Children's Hospital

Surgical physician lead, Epic ambulatory automation, 2012 – 2014

Urology physician champion, Clinical Documentation Integrity Program, 2017 – present

PROFESSIONAL ORGANIZATIONS

Membership

American Urological Association, 1996 – present

Society for Pediatric Urology, 2005 – present

Vice Chair, Testis / Andrology Task Force, 2018 – present

American Academy of Pediatrics, Fellow, Section on Urology, 2004 – 2012

Society for Fetal Urology, 2004 – 2009

International Continence Society, 2009 – 2015

International Children's Continence Society, 2012 – 2018

Abstract committee

Society for Pediatric Urology / American Urological Association, Testis and Scrotum: 2019.

Pediatric Urology Fall Congress, Basic Science: 2013, 2014, 2016

Society for Pediatric Urology / European Society for Pediatric Urology combined meeting, Basic Science: 2015

European Society for Pediatric Urology, Basic Science: 2016 - 2019

American Academy of Pediatrics, Section on Urology, Basic Science: 2005, 2009

Moderator

Co-Moderator, Pediatric Urology Fall Congress Basic Science Finalists: 2014

Moderator, Society for Pediatric Urology / European Society for Pediatric Urology combined meeting, Basic Science: 2015

PRESENTATIONS

Urology Grand Rounds, University of Pittsburgh

1. Pediatric urologic oncology. Jan. 29, 2003.

2. Neural and smooth muscle maturation in the neonatal bladder. April 22, 2005.
3. Pediatric acute scrotum. July 27, 2005.
4. Twitchy bladders and fractured kidneys. March 8, 2006.
5. Fetal urologic intervention. Jan. 31, 2007.
6. Pediatric emergencies and ureteropelvic junction obstruction. July 25, 2007.

Urology Grand Rounds, Stanford University

1. Pediatric endourology: Are the AUA guidelines already outdated? March 3, 2009.
2. Top - down imaging for pediatric UTI. Sept. 1, 2009.
3. When is hydronephrosis not obstruction? Nov. 5, 2013.
4. Why is partial nephrectomy not recommended for Wilms' tumor? June 2, 2015.

Children's Hospital of Pittsburgh and local hospitals

1. Dysfunctional voiding. Mercy Hospital Pediatric Grand Rounds, Oct. 10, 2002.
2. Testis, hypospadias, circumcision. Pediatric Surgery, Dec. 4, 2002.
3. Renal and bladder trauma. Emergency Department, Oct. 3, 2003, Oct. 4, 2006.
4. Genital surgery. Endocrinology, March 10, 2004.
5. Bad bladders. Are they born or are they made that way? University of Pittsburgh Cancer Institute, Prostate and Urologic Cancer Program, April 12, 2004.
6. Sick cell priapism. Emergency Department, June 16, 2004.
7. Pediatric urology review. Pediatrics, Dec. 2, 2004
8. UTI. Washington Hospital Pediatric Grand Rounds, Washington, PA, Feb. 2, 2005.
9. Vesicoureteral reflux. Urology Nursing Society, Pittsburgh, May 12, 2005.
10. Scrotal disorders. Adolescent Medicine, Sept. 15, 2005, Nov. 2, 2006.
11. Protecting the family jewels: genital trauma. Trauma, Sept. 20, 2005.
12. Does newborn bladder irritation lead to pediatric voiding dysfunction? Magee Womens Hospital, Sept. 29, 2005.
13. Common pediatric urologic procedures. Nursing, Oct. 6 and 13, 2005.
14. Scrotal disorders. Emergency Department, Nov. 2, 2005 (also 2003, 2004).
15. Urology review for pediatric surgeons. Pediatric Surgery, Jan. 13, 2006.
16. Genital and renal trauma. Nursing, May 9, 2006, Sept. 12, 2006, May 16, 2007, Sept. 19, 2007, May 12, 2008.
17. Advice about solitary kidneys and leaking kidneys. Trauma, Dec. 5, 2006.
18. Gaining bladder continence: Not just for preschoolers. Molecular Medicine Seminar, Jan. 22, 2008.
19. Interstitial cystitis in adolescents. Adolescent Medicine, June 12, 2008.

Lucile Packard Children's Hospital and local hospitals

1. Testis Pain: NSAIDs or Operate? Pediatric Clinical Update South Bay, San Jose, CA, Sept. 25, 2010.
2. When does a UTI lead to a VCUG? Pediatric Clinical Update South Bay, San Jose, CA, Sept. 22, 2012.
3. Neonatal circumcision – recommended or not? Pediatric Clinical Update South Bay, San Jose, CA, Sept. 21, 2013.

4. When does a UTI lead to a VCU? Dominican Hospital Pediatric Grand Rounds, Santa Cruz, CA, Oct. 9, 2013.
5. Congenital and Childhood Genitourinary Problems: Cryptorchidism, Epispadias, Hypospadias, Chordee, Phimosis/Paraphimosis, Labial Adhesions. Stanford Primary Care Associate Program, Oct. 24, 2013.
6. Pediatric urologic emergencies. LPCH Pediatric Emergency Medicine Grand Rounds, Aug. 20, 2014.
7. Differences in treatment of day-time and night-time urinary incontinence. Pediatric Clinical Update South Bay, San Jose, CA, Sept. 20, 2014.
8. Differences in treatment of day-time and night-time urinary incontinence. El Camino Hospital Pediatric Grand Rounds, Mountain View, CA, March 16, 2015.
9. Managing daytime urinary incontinence in your practice. Pediatric Clinical Update South Bay, Cupertino, CA, April 8, 2017.
10. Treatment of daytime urinary incontinence. Santa Clara Valley Medical Center Pediatric Grand Rounds. San Jose, CA, May 24, 2017.
11. Pediatric urologic emergencies. Dominican Hospital Pediatric Grand Rounds, Santa Cruz, CA, April 11, 2018.

National

1. Genitourinary trauma. 6th Annual John Templeton Pediatric Trauma Symposium, Philadelphia, March 4, 2006.
2. Diagnosing and treating UTI's. Examining the 2011 guidelines and newer studies – and still asking questions. Pediatric Academic Societies, May 9, 2017.

International

1. Pediatric neurogenic bladder: Clinical and basic science aspects. Taipei Veteran's General Hospital, April 10, 2006.
2. Update on management of pediatric neurogenic bladder. Buddhist Tzu Chi Hospital, Taipei, April 11, 2006.
3. Current management of vesicoureteral reflux: The impact of Deflux. Chang Gung Children's Hospital, Taipei, April 13, 2006.
4. Learning about OAB from the neonatal bladder. 10th Asian Congress of Urology, Taipei, Aug. 28, 2010.
5. Upcoming changes in bilateral Wilms' tumor management. 10th Asian Congress of Urology, Taipei, Aug. 29, 2010.
6. What adult urologists should know about neurogenic bladder in spina bifida patients. 10th Asian Congress of Urology, Taipei, Aug. 29, 2010.
7. Current pharmacotherapy in OAB: how to select the medical agent. 10th Asian Congress of Urology, Taipei, Aug. 30, 2010.
8. Natural course of pediatric neurogenic bladder. International Children's Continence Society, Pediatric Incontinence Forum and Education Course, Taipei, Sept. 23, 2011.

Invited Lectures

1. Trigonal distortion in ureteroceles. 5th Annual Duckett Lecture, University of Michigan, Ann Arbor, MI, July 20, 2001.

2. Bad baby bladders: heredity or environment? University of California, San Francisco, March 2, 2005.
 3. Neural and smooth muscle maturation in neonatal bladder function. Children's Hospital of Philadelphia, July 20, 2005.
 4. What makes the infant bladder mature? 2nd Quinquennial John W. Duckett Festschrift, Children's Hospital of Philadelphia, Nov. 11, 2006.
 5. What can the neonatal bladder teach us about overactive bladder? Washington University, St Louis, MO, Jan. 9, 2008.
 6. Voiding function and development. 3rd Quinquennial John W. Duckett Festschrift, Children's Hospital of Philadelphia, Nov. 19, 2011.
 7. Maturation of bladder – external urethral sphincter coordination. American Urological Association Research Forum, Atlanta, GA, May 20, 2012.
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TRAINEES

Post-doctoral research fellows:

University of Pittsburgh

Yuen-Keng Ng, Ph.D., 2003 – 2005

Debra Artim, Ph.D., 2007 – 2008

Stanford University

Hui-Yi Chang, Ph.D., 2009 – 2010

Clinical fellows:

University of Pittsburgh

Christine Kim, M.D., 2003 – 2004

Paul Noh, M.D., 2004 – 2005

Ethan Polsky, M.D., 2005 – 2006

Michael Ost, M.D., 2006 – 2007

Danielle Sweeney, M.D., 2007 – 2008

Stanford University

Hillary Copp, M.D., 2008 – 2009

Curtis Clark, M.D., 2008 – 2010

Robert Payne, M.D., 2011 – 2013

Winifred Owumi, M.D., 2012 – 2014

Oreoluwa Ogunyemi, M.D., 2013 – 2015

Monica Velasquez, M.D., 2016 – 2018

Kathleen Kan, M.D., 2017 – 2019

Stanford University undergraduates:

Stanford Immersion in Medicine Series, Physician Shadowing program, 2008 – 2016

Pre-Major advisor, 2009 – 2016

Revised Nov. 3, 2018