PERSONAL INFORMATION

Name: Hsi-Yang Wu
Address: 300 Pasteur Drive, S-287
Stanford, CA 94305-5118

Phone: (650) 724-7608
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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

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CERTIFICATION and LICENSURE

SPECIALTY CERTIFICATION:

American Board of Urology	2004
Subspecialty certification in Pediatric Urology	2008

MEDICAL LICENSURE:

California	1993
Pennsylvania	1999

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. **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 all-terrain vehicles: 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.

34. 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.

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

36. **Wu HY**. Can evidence based medicine change toilet training practice? Arab J Urol, 11:13-18, 2013. http://dx.doi.org/10.1016/j.aju.2012.11.001

37. **Wu HY**. Surgical management of paediatric bladder / prostate rhabdomyosarcoma. Arab J Urol, 11:40-47, 2013. http://dx.doi.org/10.1016/j.aju.2012.11.003

38. Chien C, Chang HH, **Wu HY**. Sex differences in neonatal rat external urethral sphincter function: the role of serotonin and bladder reduction. Neurourol Urodyn. Submitted.

39. Clark CJ, **Wu HY**, Ferrari M, Chang S, Shortliffe LD. Voiding after surgery for vesicoureteral reflux in toilet-trained children. In preparation.

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. Penwel 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, White M, Casale P: 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**: Voiding function and development. Dialogues in Pediatric Urology, 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. 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. 2012.

20. **Wu HY** and Snyder HM: Developmental and positional renal anomalies. In: Pediatric Surgery, 6th ed. Saunders Elsevier, Philadelphia. 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 $\mu g \cdot kg^{-1} \cdot min^{-1}$ remifentanil 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.

EDITORIAL SERVICE

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
Asian Journal of Andrology, 2005
Clinics, 2008
International Brazilian Journal of Urology, 2006
Journal of Autism and Developmental Disorders, 2012
Journal of Pediatric Surgery, 2004
Science Translational Medicine, 2013

Ad hoc textbook peer review
American Academy of Pediatrics Textbook of Pediatric Care, 2012

GRANTS

Current Grant Support
Arline and Pete Harman Endowed Faculty Scholar. 2012 – 2015.

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.

UNIVERSITY ADMINISTRATIVE SERVICE

Committee service
Children's Hospital of Pittsburgh (CHP)
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 (LPCH)
IS Physician Advisory Group, 2009 – present

Stanford University Medical Center
Bio-X, 2009 - present
Child Health Research Institute, 2011 - present

Leadership roles
Urology Department
Associate Program Director, Pediatric Urology Fellowship, Stanford, 2008 – 2009
Program Director, Pediatric Urology Fellowship, Stanford, 2009 – present
Course Director, Urology Grand Rounds, 2011 – present

Lucile Packard Children's Hospital (LPCH)
Surgical physician lead, ambulatory automation, 2012 – present

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PROFESSIONAL ORGANIZATIONS

Membership
American Urological Association, 1996 – present
Society for Pediatric Urology, 2005 – present
International Continence Society, 2009 – present

International Children's Continence Society, 2012 – present
American Academy of Pediatrics, Fellow, Section on Urology, 2004 – 2012
Society for Fetal Urology, 2004 – 2009

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

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.

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. Sickle 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

1. Testis Pain: NSAIDs or Operate? Pediatric Clinical Update South Bay, Sept. 25, 2010.
2. When does a UTI lead to a VCUG? Pediatric Clinical Update South Bay, Sept. 22, 2012.

National

1. Genitourinary trauma. 6th Annual John Templeton Pediatric Trauma Symposium, Philadelphia, March 4, 2006.

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.

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 Adams, M.D., 2012 – 2014.

Stanford University undergraduates
Stanford Immersion in Medicine Series, Physician Shadowing program, 2008 – present
Pre-Major advisor, 2009 – present

Revised Feb. 20, 2013