

**VIJAYA M. VEMULAKONDA, M.D., J.D.**  
**CURRICULUM VITAE**

**OFFICE ADDRESS**

13123 East 16<sup>th</sup> Avenue, B-463  
Aurora, Colorado 80045  
Tel: 720-777-4052  
Fax: 720-777-7370  
vijaya.vemulakonda@ucdenver.edu

**Administrative Assistant:**

Claudia Vazquez  
Tel: 720-777-6146  
Claudia.Vazquez@childrenscolorado.org

**EMPLOYMENT AND EDUCATION**

2015-present      Division of Urology, University of Colorado, Aurora, Colorado  
Associate Professor, Pediatric Urology

2010-2015        Division of Urology, University of Colorado, Aurora, Colorado  
Assistant Professor, Pediatric Urology

2008-2010        Division of Urologic Surgery, Washington University, Saint Louis,  
Missouri, Assistant Professor, Pediatric Urology

2007-2008        Department of Urology, University of Washington, Seattle,  
Washington, Acting Clinical Instructor, Pediatric Urology

2006-2008        Division of Pediatric Urology, University of Washington, Seattle,  
Washington, Pediatric Urology Fellowship, Completed June 2008

2001-2006        Scott Department of Urology, Baylor College of Medicine, Houston,  
Texas, Urology Residency, Completed June 2006

2000-2001        Michael E. Debakey Department of Surgery, Baylor College of  
Medicine, Houston, Texas, Surgical Internship, Completed June  
2001

- 1996-2000 University of Mississippi School of Medicine, Jackson, Mississippi  
MD, May 2000
- 1993-1996 Harvard Law School, Cambridge, Massachusetts  
JD, *cum laude*, June 1996
- 1989-1993 The George Washington University, Washington, District of  
Columbia, BA, Political Science, *summa cum laude*, May 1993

### **HONORS AND AWARDS**

- 2018- present Director of Research, Division of Urology, University of Colorado  
School of Medicine
- 2018-2019 Participant, Leadership In Team Sciences (LITES) Program
- 2017-2021 Rising Star in Urology Research Award, American Urologic  
Association
- 2017 5280 Top Doc, 5280 Magazine
- 2016 Distinguished Service in Research Award, Children's Hospital  
Colorado Center for Children's Surgery
- 2012-2013 Participant, American Urologic Association Leadership Program
- 2011-present Associate Residency Program Director, Division of Urology,  
University of Colorado School of Medicine
- 2011-2012 Participant, Colorado CO-Mentor Program
- 2010-2012 Clinical Faculty Scholars Program, University of Colorado
- 2004 Cullen Award for Outstanding Resident Research, Scott  
Department of Urology
- 2000 Tolbert Award for Outstanding Leadership, University of  
Mississippi School of Medicine

1996-2000 Norman C. Nelson Scholarship, University of Mississippi School of Medicine

### **EXTRACURRICULAR ACTIVITIES**

2018-present University of Colorado Division of Urology Diversity and Inclusion Committee, Member

2017-present Children's Hospital Colorado Center for Innovation, Urology Innovation Lead

2016-present Children's Hospital Colorado Ethics Committee, Member

2016-present Children's Hospital Colorado Center for Children's Surgery Research Committee, Member

2014-present University of Colorado Department of Surgery Quality Council, Member

2014-present University of Colorado Division of Urology Residency Clinical Competency Committee, Chair

2014-present University of Colorado Division of Urology Residency Program Evaluation Committee, Member

2010-present Reviewer, Journal of Pediatric Urology

2009-present Reviewer, Journal of Endourology

2008-present Reviewer, Pediatrics

2007-present Reviewer, Journal of Urology

### **PROFESSIONAL SOCIETY MEMBERSHIPS**

2013-present Fellow, American College of Legal Medicine

2012-present Fellow, American College of Surgeons

- 2010- present Society for Fetal Urology
- 2006- present Society for Pediatric Urology
- 2001- present American Urologic Association

**NATIONAL COMMITTEE APPOINTMENTS**

- 2018-present Colorado Delegate, Board of Directors, South Central Section, American Urologic Association
- 2018-present Member, Task Force on Recruitment and Retention of Women and Underrepresented Minorities, Society for Academic Urology
- 2018-present Member At Large, Society For Fetal Urology Executive Council
- 2017-2019 Chair, Judicial & Ethics Committee, American Urologic Association
- 2017-2019 South Central Section Representative, Bylaws Committee, American Urologic Association
- 2015-2017 Vice-Chair, Judicial & Ethics Committee, American Urologic Association
- 2015-present Health Policy Committee, South Central Section, American Urologic Association
- 2014-present Pediatric Urology Task Force, Methods and Evaluation Committee, American College of Surgeons National Surgical Quality Improvement Project
- 2014-2019 Chair, Pediatric Urology Steering Board, Epic Systems
- 2013-2015 Leadership Program Representative, Health Policy Council, American Urologic Association
- 2013-present Executive Committee, Judicial & Ethics Committee, American Urologic Association

2011-2019 South Central Section Representative, Judicial & Ethics Committee,  
American Urologic Association

### **RESEARCH MENTORSHIP**

#### **Current Mentees:**

2017-present Elizabeth Malm-Buatsi, Assistant Professor of Pediatric Urology, University of Missouri, Columbia

2017-present Cindy Buchanan, Assistant Professor of Psychology, University of Colorado School of Medicine

2017-present Megan Brockel, Assistant Professor of Pediatric Anesthesiology, University of Colorado School of Medicine

2017-present Mariana Meyers, Assistant Professor of Pediatric Radiology, University of Colorado School of Medicine

2018-present Sarah Hecht, Pediatric Urology Fellow, Children's Hospital Colorado

2018-present Brian Miller, Senior Instructor of Pediatric Urology, University of Colorado School of Medicine

2019-present Daniel Han, Pediatric Urology Fellow, Children's Hospital Colorado

#### **Past Mentees:**

2012-2014 David Chalmers, Pediatric Urology Fellow, Children's Hospital Colorado

2014-2016 Brian Caldwell, Pediatric Urology Fellow, Children's Hospital Colorado

2017-2019 Jonathan Walker, Pediatric Urology Fellow, Children's Hospital Colorado

## **PEER REVIEWED PUBLICATIONS**

1. Blalock, H.J., **Vemulakonda, V.M.**, Ritchey, M.L., Ribbeck, M.R., *Management of Phimosis Following Newborn Circumcision*, Journal of Urology, 2003 Jun; 169(6):2332-4
2. **Vemulakonda, V.M.**, Somogyi, G.T., Kiss, S., Boone, T.B., Smith, C.P., *Inhibitory Effect of Intravesically Applied Botulinum Toxin A in Chronic Bladder Inflammation*, Journal of Urology, 2005 Feb;173(2):621-4.
3. Smith, C.P., **Vemulakonda, V.M.**, Kiss, S., Boone, T.B., Somogyi, G.T., *Enhanced ATP Release from Rat Bladder Urothelium During Chronic Bladder Inflammation: Effect of Botulinum Toxin A.*, Neurochemistry International, 2005 Sep;47(4):291-7.
4. **Vemulakonda, V.M.**, Jones, E.A., *Primer:Diagnosis and Management of Uncomplicated Daytime Wetting in Children*, Nature Clinical Practice Urology, 2006 Oct; 3(10):551-9.
5. Joyner, B.D., **Vemulakonda, V.M.**, *Improving Professionalism: Making the Implicit More Explicit*, Journal of Urology, 2007 June; 177: 2289-2293.
6. **Vemulakonda, V.M.**, Lendvay, T.S., Shnorhavorian, M., Joyner, B.D., Mitchell, M., Grady, R.W., *Metastatic Adenocarcinoma after Augmentation Cystoplasty: A Case Series*, Journal of Urology, 2008 March; 179(3): 1094-6.
7. **Vemulakonda, V.M.**, Kopp, R.P., Sorensen, M.D., Grady, R.W., *Recurrent Nephrogenic Adenoma in a 10-year-old with Prune Belly Syndrome: A Case Presentation*, Pediatric Surgery International. 2008 May; 24(5): 605-7.
8. **Vemulakonda, V.M.**, Sorensen, M.D., Joyner, B.D. *The Current State of Diversity and Multicultural Training in Urology Residency Programs*, Journal of Urology, 2008 August, 180 (2): 668-72.
9. **Vemulakonda, V.M.**, Cowan, C.A., Lendvay, T.S., Joyner, B.D., Grady, R.W. *Trends in Surgical Management of Congenital Ureteropelvic Junction Obstruction: A Pediatric Health Information System Database Study*, Journal of Urology, 2008 Oct 180 (4 Suppl):1689-92.

10. **Vemulakonda, V.M.**, Koyle, M.A., Lendvay, T.S., Risk, M., Kirsch, A.J., Cheng, E.Y., Cisek, L.J., Campbell, J.B. *Endoscopic Treatment of Symptomatic Refluxing Renal Transplant Ureteroneocystostomies in Children*, Pediatric Transplantation, 2010 Mar; 14(2):212-5.
11. Thom M., Campigotto M., **Vemulakonda V.**, Coplen D., Austin P.F.. *Management of Lower Urinary Tract Dysfunction: A Stepwise Approach*, J Pediatr Urol 2012 Feb; 8(1):20-4.
12. Pohlman, G.D., Staulcup, S.J., Masterson, R.M., **Vemulakonda, V.M.**, *Contributing Factors for Cancellations of Outpatient Pediatric Urology Procedures: Single-Center Experience*, J Urol 2012 Oct; 188 (4 Suppl):1634-8.
13. Pshak, T.J., Cho, D.S., Hayes, K.L., **Vemulakonda, V.M.**, *Correlation between CT Estimated Tumor Volume, Pathologic Volume, and Final Pathologic Specimen Weight in Children with Wilms Tumor*, Journal of Pediatric Urology, 2014 Feb; 10 (1):148-54.
14. Clements, M.B., Chalmers, D.T., Meyers, M., **Vemulakonda, V.M.**, *Prenatal Diagnosis of Cloacal Exstrophy: A Case Report and Review of the Literature*, Urology 2014 May; 83(5):1162-4.
15. **Vemulakonda, V.M.**, Chiang G., Corbett S.T., *Variability in Use of Voiding Cystourethrogram During Initial Evaluation of Infants with Congenital Hydronephrosis*, Urology 2014 May; 83(5):1135-8
16. Bush, R.A., **Vemulakonda, V.M.**, Corbett, S.T., Chiang, G.J. *Can We Predict A National Profile Of Non-Attendance Pediatric Urology Patients: A Multi-Institutional Electronic Health Record Study*. Inform Prim Care 2014 May; 21(3): 132-8.
17. **Vemulakonda, V.M.**, Yiee, J., Wilcox, D.T. *Prenatal Hydronephrosis: Postnatal Evaluation and Management*, Curr Urol Reports, 2014 August; 15(8): 430.
18. Chalmers, D.J., Deakyne, S.J., Payan, M.L., Torok, M.R., Kahn, M.G., **Vemulakonda, V.M.** *Feasibility of Integrating Research Data Collection into Routine Clinical Practice using the Electronic Health Record*, Journal of Urology, 2014 Oct; 192(4):1215-20.

19. Chalmers, D.J, Siomos, V.J., Gilsdorf, D.J., Torok, M.R., **Vemulakonda, V.M.** *Factors associated with surgical intervention in children with high-grade congenital hydronephrosis.* Journal of Clinical Urology, 2014 Dec. *Epub ahead of print.*
20. **Vemulakonda, V.M.**, Wilcox, D.T., Crombleholme, T.M., Bronsert, M., Kempe, A. *Factors associated with age at pyeloplasty in children with ureteropelvic junction obstruction.* Pediatric Surgery International. 2015 Sep; 31(9):871-7.
21. **Vemulakonda, V.M.**, Wilcox, D.T., Torok, M.R., Hou, A., Campbell, J.B., Kempe, A. *Inter-rater Reliability of Post-Natal Ultrasound Interpretation in Infants with Congenital Hydronephrosis,* International Urology and Nephrology 2015 Sep; 47(9):1457-61.
22. **Vemulakonda, V.M.**, Jones J. *Barriers to participation in surgical randomized controlled trials in pediatric urology: A qualitative study of key stakeholder perspectives.* Journal of Pediatric Urology 2016 Jun; 12(3):180 e1-7.
23. Kaye, I.Y., Payan M., **Vemulakonda, V.M.** *Association between clean intermittent catheterization and urinary tract infection in infants and toddlers with spina bifida.* Journal of Pediatric Urology 2016 October; 12(5): 284 e1-6.
24. Carrasco, A. Jr, **Vemulakonda, V.M.** *Managing adult urinary incontinence from the congenitally incompetent bladder outlet.* Current Opinions in Urology 2016 Jul; 26 (4): 351-6.
25. Chalmers, D.J., **Vemulakonda, V.M.** *Pediatric urology for the general surgeon,* Surgical Clinics of North America 2016 Jun; 96(3):545-65.
26. Polaner, D.M., Almenrader, N., **Vemulakonda, V.** *Caudal analgesia, hypospadias, and urethrocutaneous fistula: Does association mean causality?* Paediatric Anaesthesia 2017 Jul; 27 (7): 676-7.
27. Donmez, M.I., Carrasco, A. Jr., Saltzman, A.F., **Vemulakonda V.**, Wilcox, D.T. *Long-term outcomes of cutaneous vesicostomy in patients with neuropathic bladder caused by spina bifida.* Journal of Pediatric Urology 2017 Dec; 13 (6): 622 e1-4.
28. Rove, K.O. Warncke, J.C., **Vemulakonda, V.M.** *Trends in pediatric urologic consultations in a tertiary care hospital setting.* Journal of Pediatric Urology 2018 Feb; 14(1): 12.e1-12.



29. Rove K.O., Brockel M.A., Saltzman A.F., Donmez M.I. Brodie K.E., Chalmers D.J., Caldwell B.T., **Vemulakonda V.M.**, Wilcox D.T. Prospective study of enhanced recovery after surgery protocol in children undergoing reconstructive operations. *Journal of Pediatric Urology* 2018 Feb 1; *Epub ahead of print*.
30. Maccini M.A., Chalmers D.J., **Vemulakonda V.M.**, Campbell J.B.. *Incidence and risk factors for positive urine culture at the time of pediatric urologic surgery*. *International Urology and Nephrology* 2018 Jun; 50 (6): 1017-20.
31. Saltzman A.F., Carrasco A. Jr., Colvin A., Campbell J.B., **Vemulakonda V.M.**, Wilcox D. *Patients with disorders of sex development and proximal hypospadias are at high risk for reoperation*. *World Journal of Urology* 2018 May 31; *Epub ahead of print*.
32. **Vemulakonda V.M.**, Bush R.A. (co-first authors), Kahn M.G. *"Minimally invasive research?" Use of the electronic health record to facilitate research in pediatric urology*. *Journal of Pediatric Urology* 2018 Jun 9; *Epub ahead of print*.
33. Brockel M., Polaner D., **Vemulakonda V.M.**, *Anesthesia in the Pediatric Patient*, *Urologic Clinics of North America*, 2018 Nov; 45(4):551-60.
34. Goodstein TA, Cost NG, Campbell JB, **Vemulakonda V**, Wilcox D, Saltzman AF, *A contemporary analysis of pediatric urology surgical volume at a tertiary care center*. *Urology* 2019 Mar; 125: 179-83.
35. **Vemulakonda V.M.**, Hamer M.K., Kempe A., Morris M.A. *Surgical decision-making in infants with suspected UPJ obstruction: stakeholder perspectives*. *Journal of Pediatric Urology* 2019 May 27; *Epub ahead of print*.
36. Bush R.A., **Vemulakonda V.M.** (co-first authors), Richardson A.C., Deakyne Davies, S.J., Chiang, G. *Providing access: differences in pediatric portal activation begins at patient check-in*. *Applied Clinical Informatics* 2019 July; 10 (04):670-8.
37. **Vemulakonda V.M.**, Chiang G., Sevick C.J., Janzen N.K. *Variations in adherence to AUA guidelines for follow up of children with vesicoureteral reflux*. *Urology Practice UP-19-97R1*. *Accepted for publication November 2019*.

## **INVITED PUBLICATIONS**

1. **Vemulakonda, V.M.**, Koyle, M.A., *Endoscopic Treatment of Complex VUR in Pediatric Patients*, Urology Times, 2009 Jan; 37(1):12-13.
2. Chalmers, D.J., **Vemulakonda, V.M.**, *Antenatal Hydronephrosis: Current Treatment Dilemmas*, AUA News, November 2012.
3. **Vemulakonda, V.M.**, Razvi, H. *Informed Consent for Overlapping Surgery*, AUA News, December 2019
4. Bush, R.A., Vemulakonda, V.M., *Unlocking the Potential of Electronic Health Record to Advance Clinical Research*, AUA News, January 2020

## **BOOK CHAPTERS**

1. **Vemulakonda, V.M.**, Grady, R, *Genital Trauma*, in Wilcox D.T., Godbole P.P., Koyle M.A., editors, *Pediatric Urology: Surgical Complications and Management*, 1<sup>st</sup> edition, Oxford: Blackwell Publishing, 2008.
2. **Vemulakonda, V.M.**, Wilcox, D.T. *Transition to Robotic from Laparoscopic Surgery: Lessons Learned*, in Gundeti, MS, editor, *Pediatric Robotic and Reconstructive Urology; A Comprehensive Guide*, 1<sup>st</sup> edition, Oxford: Wiley-Blackwell Publishing, 2012.
3. **Vemulakonda, V.M.**, *Informed Consent: Principles for Elective Circumcision*, in Bolnick, D.A., Koyle, M.A., editors, *Surgical Guide to Circumcision*, 1<sup>st</sup> edition, Springer-Verlag London Limited, 2012.
4. Chalmers, D.J., **Vemulakonda, V.M.**, *Genital Trauma*, in Wilcox D.T., Godbole P.P., Koyle M.A., editors, *Pediatric Urology: Surgical Complications and Management*, 2<sup>nd</sup> edition, Oxford: Blackwell Publishing, 2012.
5. **Vemulakonda, V.M.**, Wilcox, D.T. *Cloacal Exstrophy*, in Puri, P, editor, *Pediatric Surgery Atlas Series*, 2<sup>nd</sup> edition, Springer Publishing, 2014.
6. Caldwell, B.T., Chalmers, D.J., **Vemulakonda, V.M.**, *Genitourinary Trauma*, in Wilcox D.T., Godbole P.P., Cooper C., editors, *Pediatric Urology Book*, 2016 (<http://www.pediatricurologybook.com>).

7. Carrasco, A. Jr, **Vemulakonda, V.M.**, *Cloacal Exstrophy*, in Puri, P, editor, Newborn Surgery, 4th edition, Springer Publishing, 2016.
8. **Vemulakonda V.M.**, Wilcox D.T., *Cloacal Exstrophy*, in Puri P., Hollwarth M.E., editors, Pediatric Surgery Atlas, Springer Publishing 2018.
9. Hecht SL and **Vemulakonda, VM.** Prenatal Diagnosis. In *Essentials of Pediatric Urology (3<sup>rd</sup> edition)*. Editors: DT Wilcox and DFM Thomas. Taylor & Francis (submitted July 2019).
10. Hecht SL and **Vemulakonda VM.** Establishing a pediatric robotic surgery program. In *Minimally invasive and robotic-assisted surgery in pediatric urology (2<sup>nd</sup> edition)*. Editor: P. Gargollo. Springer (submitted May 2019).
11. **Vemulakonda V.M.**, *Medical Ethics and Informed Consent*, in Campbell-Walsh-Wein Urology 12<sup>th</sup> Edition, Elsevier Publishing 2019.

#### **PRESENTATIONS—INTERNATIONAL**

1. **Vemulakonda, V.M.**, *Pediatric Urology I and II*, AUA/CMUN/SMU Scientific Review Course, Mexico City, Mexico, September 2013.
2. **Vemulakonda, V.M.**, *Laparoscopic Instrumentation*, Pediatric Urology Laparoscopic Course, Toronto, Canada, August 2015.
3. **Vemulakonda, V.M.**, Meyers, M., Behrendt, N., Dannull, K. *Association of fetal MRI and US findings with electrolyte abnormalities in suspected bladder outlet obstruction*, Poster Presentation, European Society for Paediatric Urology, 26<sup>th</sup> Annual Congress, October 2015.
4. **Vemulakonda, V.M.**, *Pediatric Urology I and II*, AUA/CMUN/SMU Scientific Review Course, Mexico City, Mexico, August 2017.

#### **PRESENTATIONS—NATIONAL (PEER REVIEWED FIRST OR SENIOR AUTHOR)**

1. **Vemulakonda, V.M.**, Cisek, L.J., Gonzales, E.T., Roth, D.R., Jones, E.A., *Does Axial Skeletal Anatomy Predict Resolution of Vesicoureteral Reflux in Infants?*

Moderated Poster Presentation, American Association of Pediatrics, Section on Urology, National Conference and Exhibition, November 2003.

2. **Vemulakonda, V.M.**, Smith, C.P., Kiss, S., Khera, M., Evans, J.L., Boone, T.B., Somogyi, G.T., *Botulinum Toxin A Inhibits Mechanoreceptor-Mediated Urothelial Release of ATP in Conditions of Bladder Inflammation*, Poster Presentation, American Urologic Association, Annual Meeting, May 2004.
3. **Vemulakonda, V.M.**, Somogyi, G.T., Kiss, S., Evans, J.L., Khera, M., Boone, T.B., Smith, C.P., *Intravesical Botulinum Toxin A Inhibits the Afferent Response in the Chronically Inflamed Bladder*, Poster Presentation, American Urologic Association, Annual Meeting, May 2004.
4. Lendvay, T.L., **Vemulakonda, V.M.**, *Trends in Surgical Management of Congenital UPJ Obstruction*, Podium Presentation, American Association of Pediatric Urologists, Annual Meeting, January 2007.
5. **Vemulakonda, V.M.**, Campbell, J.B., Lendvay, T.S., Risk, M.C., Kirsch, A.J., Cheng, E.Y., Cisek, L.J., Koyle, M.A., *Endoscopic Treatment of Symptomatic Refluxing Renal Transplant Ureteroneocystostomies in Children*, Moderated Poster Presentation, American Urologic Association, Annual Meeting, May 2007.
6. **Vemulakonda, V.M.**, Grady, R.W., Cowan, C.A., Joyner, B.D., Lendvay, T.S., *Trends in Surgical Management of Congenital Ureteropelvic Junction Obstruction*, Podium Presentation, American Academy of Pediatrics, Section of Urology, Annual Meeting, October 2007.
7. **Vemulakonda, V.M.**, McLaughlin, J.F., Walker, W.O., Cardenas, D., Topolski, T. *Young Adults with Spina Bifida: Does A Specialized Outpatient Program Make a Difference in Functional Status and Quality of Life?*, Podium Presentation, Society for Research into Hydrocephalus and Spina Bifida, Annual Meeting, June 2008.
8. **Vemulakonda, V.M.**, Walker, W.O., Grady, R.W., Topolski, T.D. *The Association between Employment and Quality of Life in Adolescents and Young Adults with Spina Bifida*, Podium Presentation, American Academy of Pediatrics Section on Urology, Annual Meeting, October 2008.
9. **Vemulakonda, V.M.**, Walker, W.O., Topolski, T.D., Grady, R.W. *The Effect of Continence on Quality of Life and Perceived Health Status in Adolescents and*

*Young Adults with Spina Bifida*, Podium Presentation, American Academy of Pediatrics Section on Urology, Annual Meeting, October 2008.

10. Pohlman, G., Staulcup S., Masterson R., **Vemulakonda, V.M.** *Contributing Factors for Cancellations of Outpatient Pediatric Urology Procedures*, Podium Presentation, American Academy of Pediatrics Section on Urology, Annual Meeting, October 2011.
11. **Vemulakonda, V.M.**, Wilcox D.T., Libby A.M. *Trends in Use of Antibiotic Prophylaxis in Children with Vesicoureteral Reflux*, Podium Presentation, American Academy of Pediatrics Section on Urology, Annual Meeting, October 2012.
12. **Vemulakonda, V.M.**, Chiang G., Corbett S.T. *Variability in Initial Urologic Evaluation of Infants with Congenital Hydronephrosis: A Multi-Center EPIC Database Study*, Podium Presentation, American Academy of Pediatrics Section on Urology, Annual Meeting, October 2012.
13. **Vemulakonda, V.M.**, Staulcup S.J., Torok, M.R., Hou A.H., Campbell J.B., Wilcox D.T. *Inter-Rater Reliability of Ultrasound Interpretation in Infants with Congenital Hydronephrosis*, Podium Presentation, American Academy of Pediatrics Section on Urology, Annual Meeting, October 2012.
14. **Vemulakonda, V.M.**, Wilcox D.T., Kahn M.G. *Feasibility of Integrating Research Data Collection into Routine Clinical Practice Using the Epic Electronic Medical Record*, Podium Presentation, American Academy of Pediatrics Section on Urology, Annual Meeting, October 2012.
15. **Vemulakonda, V.M.**, Wilcox D.T., Kahn M.G. *Feasibility of Integrating Research Data Collection into Routine Clinical Practice Using the Epic Electronic Medical Record*, Podium Presentation, American Academy of Pediatrics Section on Urology, Annual Meeting, October 2012.
16. **Vemulakonda, V.M.**, Chalmers, D.J., Wilcox, D.T., Libby, A.M. *Association between Surgery and Antibiotic Prophylaxis in Children with Vesicoureteral Reflux*, Moderated Poster Presentation, American Urologic Association, Annual Meeting, May 2013.

17. **Vemulakonda, V.M.**, Meyers, M., Behrendt, N., Dannull, K. *Association of fetal MRI and US amniotic fluid level assessments with prenatal treatment*, Podium Presentation, American Urologic Association, Annual Meeting, May 2015.
18. **Vemulakonda, V.M.**, Payan, M.L., Wilcox, D.T., *Role of screening VCUG to evaluate for posterior urethral valves in infant males with bilateral hydronephrosis*. Podium Presentation, American Urologic Association, Annual Meeting, May 2015.
19. **Vemulakonda, V.M.**, Janzen, N., Sevick, C., Chiang, G. *Variations in adherence to AUA guidelines for vesicoureteral reflux*. Moderated Poster Presentation, American Urologic Association, Annual Meeting, May 2017.
20. Ha S., Sevick C., **Vemulakonda V.M.**, Use of EHR-based best practice alerts to improve adherence to AUA VUR guidelines. Moderated Poster Presentation, American Urologic Association, Annual Meeting, May 2018.
21. **Vemulakonda V.M**, Hamer M, Kempe A, Morris MA., *Physician reported factors in treatment decisions for infants with suspected ureteropelvic junction obstruction*, Poster Presentation. Academy Health Annual Meeting, June 2018.
22. **Vemulakonda V.M**, Hamer M, Kempe A, Morris MA., *Parent and surgeon perspectives on their roles in treatment decisions for infant with high-grade hydronephrosis*, Poster Presentation. Academy Health Annual Meeting, June 2018.
23. **Vemulakonda V.M**, Hamer M, Kempe A, Morris MA., *Parent and surgeon perspectives on their roles in treatment decisions for infant with high-grade hydronephrosis*, Moderated Poster Presentation, Pediatric Urology Fall Congress, September 2018.
24. Hecht S.L., Walker J.P., **Vemulakonda V.M.**, *Bilateral single-system intravesical ureterocele: an unusual suspect*, Podium Presentation, Pediatric Urology Fall Congress, September 2018.
25. Buchanan C.L., Steinberg E., Sevick C., Walker J., **Vemulakonda V.M.**, *Psychosocial risk factors for transplantation in pediatric patients with urologic conditions*, Podium Presentation, Pediatric Urology Fall Congress, September 2018.

26. Walker J., Buchanan C., **Vemulakonda V.M.**, *Patient satisfaction and shared decision making in a multidisciplinary care clinic for patients with differences in sex development*. Podium Presentation, American Urologic Association, Annual Meeting, May 2019.
27. Hecht S.L., Walker, J.P., **Vemulakonda V.M.**, *Survival in a functionally anephric neonate with autosomal recessive polycystic kidney disorder*, Podium Presentation, Pediatric Urology Fall Congress, September 2019. *First place clinical prize winner*
28. Buchanan, C., Flewelling, K., Walker, J., **Vemulakonda, V.** *Multidisciplinary care for patients with differences in sex development: Findings from a family satisfaction and shared decision-making pilot*. Differences of Sex Development: Promoting Best Practices in Pediatric Psychological Care Symposium, Society of Pediatric Psychology Annual Conference, March 2020.
29. Danzig, M. Quach, A., **Vemulakonda, V.** *Ultrasound imaging in patients referred for undescended testicle*. Poster Presentation. Societies for Pediatric Urology Annual Meeting, May 2020.
30. Han, D. Bock, M., Hecht, S., **Vemulakonda, V.** *Association between Urinary Diversion and Growth Parameters in Infants and Toddlers with Chronic Kidney Disease*. Moderated Poster Presentation. Societies for Pediatric Urology Annual Meeting, May 2020.
31. Han, D. Bock, M., Hecht, S., Chandran, M., **Vemulakonda, V.** *Association of Congenital Anomalies of the Kidney and Urinary Tract with UTI in Kidney Transplant Patients*. Moderated Poster Presentation. Societies for Pediatric Urology Annual Meeting, May 2020.

#### **PRESENTATIONS—NATIONAL/REGIONAL (INVITED)**

1. **Vemulakonda, V.M.**, *Genetic Testing and Discrimination*, Podium Presentation, American Medical Association Medical Student Section, Interim Meeting, December 1998.
2. **Vemulakonda, V.M.**, *ERISA and HMO Liability*, Podium Presentation, American Medical Association Medical Student Section, Interim Meeting, December 1998.

3. **Vemulakonda, V.M.**, *Recent Developments in Disability Law*, Podium Presentation, American Medical Association Medical Student Section, Annual Meeting, June 1999.
4. **Vemulakonda, V.M.**, *Physician Assisted Suicide*, Podium Presentation, American Medical Association Medical Student Section, Annual Meeting, June 1999
5. **Vemulakonda, V.M.**, Canfield, S., Brandes, S.B., *EMR Based Quality Improvement Initiatives*, Presentation to AUA Board of Directors Meeting, Joint Advocacy Conference, American Urologic Association, March 2013.
6. **Vemulakonda, V.M.**, *EMR- Based Quality Improvement Initiatives in Pediatric Urology*, Panel Discussion, Pediatric Urology Fall Congress, September 2013
7. **Vemulakonda, V.M.**, Moderator, *Court is in Session*, Plenary Session, American Urologic Association, Annual Meeting, May 2017.
8. **Vemulakonda, V.M.**, *Antenatal Hydronephrosis; Diagnosis and Management*, American Institute of Ultrasound Medicine, Annual Meeting, March 2018
9. **Vemulakonda, V.M.**, Moderator, *Bladder Reconstruction for Neurogenic Bladder – What Surgeries and Why?* South Central Section of the American Urologic Association, Annual Meeting, November 2017.
10. **Vemulakonda, V.M.**, *Ethics of Prenatal Interventions for Bladder Outlet Obstruction*, Panel Discussion, American Urologic Association, Annual Meeting, May 2018.
11. **Vemulakonda, V.M.**, *Transgender Care: Ethical and Legal Considerations*. Panel Discussion, South Central Section of the American Urologic Association, Annual Meeting, September 2018.
12. **Vemulakonda, V.M.**, Moderator, *Court is in Session*, Plenary Session, American Urologic Association, Annual Meeting, May 2019.
13. **Vemulakonda, V.M.**, Management of the Ectopic Upper Pole Obstructed Ureter: Does Anything Need to be Done? Society for Fetal Urology Annual Meeting, May 2020.



**PRESENTATIONS—REGIONAL (PEER REVIEWED FIRST OR SENIOR AUTHOR)**

1. **Vemulakonda, V.M.**, Shnorhavorian, M., Lendvay, T., Joyner, B., Grady, R., Mitchell, M., *Gastrocystoplasty in Staged-Closure Classic Bladder Exstrophy Patients: The Seattle Experience*, Podium Presentation, Northwest Urologic Society, Annual Meeting, December 2006.
2. **Vemulakonda, V.M.**, Anderson, A.M., Joyner, B.D., Lendvay, T.S., Grady, R.W., *Determinants of Health Related Quality of Life in Adolescents with Spina Bifida*, Western Section American Urologic Association, Annual Meeting, October 2007.
3. **Vemulakonda, V.M.**, Grady, R.W., Cowan, C.A., Joyner, B.D., Lendvay, T.S., *Trends in Surgical Management of Congenital Ureteropelvic Junction Obstruction*, Western Section American Urologic Association, Annual Meeting, November 2007.
4. Siomos, V., Staulcup, S., Torok, M., **Vemulakonda, V.**, *Factors Associated with Surgical Intervention in Children with High-Grade Hydronephrosis*, South Central Section American Urologic Association, Annual Meeting, September 2013
5. **Vemulakonda, V.M.**, Payan, M.L., Torok, M.R., Campbell, J.B., Wilcox, D.T., *Factors associated with pyeloplasty in infants with suspected UPJ Obstruction*. Podium Presentation, South Central Section American Urologic Association, Annual Meeting, October 2015.
6. Kaye, I, Payan, M.L., **Vemulakonda, V.M.**, *Association between CIC and UTI in infants and toddlers with spina bifida*. Podium Presentation, South Central Section American Urologic Association, Annual Meeting, October 2015.
7. **Vemulakonda, V.M.**, Payan, M.L., Cost, N.G., Campbell, J.B., Wilcox, D.T., *Role of MAG-3 Renography in children with primary congenital megaureter*. Podium Presentation, South Central Section American Urologic Association, Annual Meeting, October 2015.
8. **Vemulakonda, V.M.**, Janzen, N., Sevic, C., Chiang, G. *Feasibility of establishing a multi-center research network*. South Central Section American Urologic Association, Annual Meeting, November 2017.

9. **Vemulakonda V.M**, Hamer M, Kempe A, Morris MA., *Physician reported factors in treatment decisions for infants with suspected ureteropelvic junction obstruction*, Podium Presentation. South Central Section of the America Urological Association Annual Meeting, September 2018.
  
10. **Vemulakonda V.M**, Hamer M, Kempe A, Morris MA., *Parent and surgeon perspectives on their roles in treatment decisions for infant with high-grade hydronephrosis*, Moderated Poster Presentation, South Central Section of the America Urological Association Annual Meeting, September 2018.

### **GRANTS AWARDED**

#### **1. Department of Surgery AEF Seed Grant (Awarded 9/2011)**

**Vemulakonda (PI)                      Budget: \$35,000/2 years                      Status: Completed**

*Feasibility of surgical randomization in children with congenital hydronephrosis*

The goal of this study is to identify provider and parental barriers to surgical randomization in children with congenital using qualitative and quantitative methods. Focus groups were conducted with parents, primary care providers, and urologic specialists. Results have been accepted for publication.

#### **2. CHC Research Institute Pilot Grant (Awarded 11/2011)**

**Vemulakonda (PI)                      Budget: \$20,000/1 year                      Status: Completed**

*Feasibility of implementing a standardized diagnostic protocol for children with congenital hydronephrosis*

The goal of this study is to implement a standardized diagnostic algorithm for children diagnosed with congenital hydronephrosis in the first year of life. The algorithm has been implemented and prospectively tracked for adherence and physician burden with >80% adherence. Currently, data are being utilized to track automatic data capture and to compare to manual data entry. These results have been used to support two publications and as pilot data for a K08 application.

#### **3. Department of Surgery AEF Seed Grant (Awarded 9/2012)**

**Vemulakonda (PI)                      Budget: \$25,000/2 years                      Status: Completed**

*Parental preferences for treatment of children with vesicoureteral reflux*

The goal of this study is to assess parental values and their relationship to parental preferences for medical or surgical management of primary vesicoureteral reflux in children.

#### **4. AUA Data Grant (Awarded 1/2016)**

**Vemulakonda (PI)**

**Budget: \$25,000/1 year**

**Status: Completed**

*Predictors of Adherence to AUA VUR Guidelines*

The goal of this study is to assess current levels of adherence to AUA Guidelines for management of vesicoureteral reflux and to identify predictors of adherence to published guidelines. The proposal established a prospective, multi-center, observational cohort utilizing automated data capture from the Epic electronic medical record across three academic pediatric urology practices. Results from this study have been presented at the American Urologic Association Annual Meeting and the South Central Section of the American Urologic Association Annual Meeting and are currently being used to support two publications. Prospective data capture is ongoing with planned expansion of the research network to an additional two sites in the next year.

#### **5. AHRQ PCOR K08 Career Development Award (Awarded 9/2016)**

**Vemulakonda (PI)**

**Budget: \$125,000/5 years**

**Status: In Process**

*Understanding practice variations in treatment of infants withn suspected UPJ obstruction*

The purpose of this project is understand how demographic characteristics affect initial radiographic evaluation and treatment decisions in infants with suspected ureteropelvic junction (UPJ) obstruction in order to minimize demographic disparities in treatment. The central hypothesis is that patient socioeconomic and regional practice differences are driving variations in treatment and that these variations will be reduced by standardizing the evaluative process. The proposal utilizes qualitative and quantitative methods to better understand variations in treatment decisions within a prospective, multi-center, observational cohort across three academic pediatric urology practices.