**Thursday, October 13**
6:00 – 9:00 pm
**PUNS Welcome Reception**
Westin Hotel, Commonwealth Ballroom (Concourse Level)
Wine and cheese reception for Pediatric Urology Nurses, Section on Urology Physicians, Affiliate members, guests and those interested in joining the Section

**Friday, October 14**
8:00 am – 5:30 pm
**Session # H0010**
Section on Urology Pediatric Urology Nurse Specialists (PUNS) Annual Meeting
Westin Hotel, Commonwealth Ballroom (Concourse Level)

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<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>8:00 am</td>
<td>Welcome to 25th Annual PUNS Program</td>
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<tr>
<td>8:15 am</td>
<td>Past, Present, and Future of Pediatric Urology</td>
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<td>8:45 am</td>
<td>Child Sexual Abuse: What the Urology Provider Needs to Know</td>
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<td>9:45 am</td>
<td>Psychosocial Aspects of Care: Utilization of Social Work Services with Complex Urology Patients and Families</td>
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<tr>
<td>10:45 am</td>
<td>Break</td>
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<tr>
<td>11:00 am</td>
<td>Uroflowmetry &amp; Biofeedback: Performance, Interpretation, and Application in Pediatric Urology</td>
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<tr>
<td>12:00 pm</td>
<td>Lunch</td>
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<td>1:30 pm</td>
<td>Surgical Management of the Neurogenic Bladder: Where are we now and where are we going?</td>
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<tr>
<td>2:30 pm</td>
<td>Urology Nursing Practice (breakout sessions to run concurrently)</td>
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<td>3:30 pm</td>
<td>Break</td>
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<tr>
<td>3:45 pm</td>
<td>Nightmares and Miracles</td>
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<td>• Stomal Stenosis – Anne Boisclair-Fahey, DNP, RN, CPNP</td>
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<td>• Interstim - Pamela Hollatz, RN</td>
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• Urologic Euphemisms: “What’s in a Name?”
  Doris Carlson, RN & Nancy Myers, RN

4:45 pm  Meet the Faculty/Networking

5:30 pm  Adjourn

Saturday, October 15
8:00 am – 5:00 pm
Session # H1026
Section on Urology Program: Day 1
Boston Convention and Exhibition Center, Room 210 A&B (meeting level 2)

8:00 am  Introduction and Opening Remarks
  John C. Pope IV, MD, FAAP, Program Chairperson

8:10 Session 1: Testes
  Moderators: Linda A. Baker, MD, FAAP and Israel Franco, MD, FAAP

1) 8:10 am  Reduced Expression of Cremasteric Androgen Receptor mRNA In Boys with Cryptorchidism
  Julia Spencer Barthold, MD, Anita Reilly, BS, CCRP, Alan Robbins, MSc, T. Ernesto Figueroa, MD, Ahmad BaniHani, MD, Jennifer Hagerty, DO and Yanping Wang, PhD, (1)Surgery/Urology and Research, AI duPont Hospital for Children, Wilmington, DE, (2)Nemours Biomedical Research, AI duPont Hospital for Children, Wilmington, DE, (3)Surgery/Urology, AI duPont Hospital for Children, Wilmington, DE

2) 8:16 am  Shorter Androgen Receptor CAG Repeat Lengths Are Associated with Cryptorchidism Among Hispanic White Boys
  Carol Davis-Dao, Chester Koh, MD, Brian E. Hardy, MD, Andy Chang, Roger E. De Filippo, Andrew Hwang, MD, Steve S. Kim, MD, Malcolm Pike, Gerhard Coetzee, PhD, David Vandenberg, Kimberly Siegmund and Victoria Cortessis, PhD, (1)Department of Preventive Medicine, Keck School of Medicine, University of Southern California, Los Angeles, CA, (2)Pediatric Urology, CHLA / USC, Los Angeles, CA, (3)Urology Specialists of Nevada, Las Vegas, NV, (4)Division of Pediatric Urology, CHLA / USC, Los Angeles, CA

3) 8:22 am  Observations On Hydroceles Following Adolescent Varicocelectomy
  Shannon N. Nees and Kenneth I. Glassberg, MD, FAAP, Division of Pediatric Urology, Department of Urology, Columbia University College of Physicians and Surgeons, Morgan Stanley Children’s Hospital of New York - Presbyterian, New York, NY

4) 8:28 am  Variations In the Management of Asymptomatic Adolescent Grade 2 or 3 Left Varicoceles: A Survey of Practitioners
  Daryl McLeod, M.D., Urology, Mount Sinai School of Medicine, New York, NY and Jeffrey A. Stock, M.D., F.A.A.P., Pediatric Urology, Mount Sinai Kravis Children’s Hospital, New York, NY

5) 8:34 am  Prolonged Ischemia In Testicular Torsion: Can We Improve Testicular Salvage?
Can Scrotal Doppler Ultrasound Reliably Evaluate Testicular Perfusion In Boys Younger Than 2 Years of Age?
Evelynn Vasquez, MD-MBA, Aruna Vade, MD, Jennifer E. Lim-Dunham, MD, Vani Menon, MD, Derek J. Matoka, MD and David A. Hatch, MD, Urology, Loyola University Medical Center, Maywood, IL.

Got Nerve? Androgen-Mediated Regression of the Mammary Branch of the Genitofemoral Nerve May Be Necessary for Testicular Descent In Rodents
Poster 49 Shu Su, Pamela J. Farmer, Ruili Li, Magdy Sourial, Silverton Buraundi, Daniela Bodemer, Bridget R. Southwell and John M. Hutson, Department of Paediatrics, University of Melbourne, Melbourne, Australia, Surgical Research, Murdoch Childrens Research Institute, Melbourne, Australia.

HDAC Inhibition Reactivates BMP-7-Dependent Kidney Repair Mechanisms During the Treatment of Obstructive Uropathies That Typically Lead to Irreversible Renal Injury
Scott R. Manson, Ph.D., Pediatric Urology, Washington University, St. Louis, MO, Keith A. Hruska, M.D., Pediatric Nephrology, Washington University, St. Louis, MO and Paul F. Austin, M.D., Pediatric Urology, Washington University, St. Louis, MO.

Obstructive Stimuli Induce Epigenetic Responses and Coordinate Loss of Phenotype In Bladder Smooth Muscle Cells
Karen J. Aitken, B.Sc., Ph.D, Jiaxin Jiang, Tyler Kirwan, B.Sc., M.Sc, Trupti Panchal, B.Sc., M.Sc, Cornelia Tolg, B.Sc., M.Sc., Ph.D and Darius Bagli, MDCM, FRCS, FAAP, FACS, Developmental and Stem Cell Biology, Hospital for Sick Children, Toronto, ON, Canada, Department of Human Biology, University of Toronto, Toronto, ON, Canada.

Hypoxia Inducible Factor – the Tipping Point for Bladder Decompensation Following Partial Outlet Obstruction
11) 9:20 am  Genome-Wide DNA Methylation Profiling of CpG Islands In Hypospadias
Shweta Choudhry, PhD, MSc1, Kenneth B. Beckman, PhD2, Liang Qiao, MD, PhD1 and
Laurence S. Baskin, MD1, (1)Department of Urology, University of California San
Francisco, San Francisco, CA, (2)University of Minnesota, Minneapolis, MN

12) 9:26 am  IL-18 Production Localizes Primarily to Tubular Epithelial Cells and Occurs
Independent of Macrophage Infiltration During Renal Obstruction
Ethan I. Franke, MD, Brian Vanderbrink, MD, Karen Hile, Hongji Zhang, Kirstan
Meldrum, MD and Richard Rink, MD, Pediatric Urology, Riley Hospital for Children /
Indiana University, Indianapolis, IN

13) 9:32 am  Co-Transplantation of Donor Matched Spina Bifida Derived Mesenchymal Stem
Cells with CD34+ Hematopoietic Stem Cells Promotes Enhanced Urinary Bladder
Regeneration
Arun Sharma, PhD1, Matthew Bury, MS1, Natalie Fuller, BS2 and Earl Y. Cheng, M.D.,
FAAP1, (1)Urology, Children's Memorial Hospital, Chicago, IL, (2)Urology, Childrens
Memorial Hospital, Chicago, IL

9:38 AM  Discussion

9:48 AM  Break/Poster Viewing

10:05 AM  AUA Guest Lecture -- William F. Gee, MD
Urology and Financial Survival - How We Got Here and Where We Are Headed

10:50 AM  Session 3: Clinical Research Finalists
Moderators: Eric A Kurzrock, MD, FAAP, and Mark R. Zaontz, MD, FAAP

14) 10:50 am  ESPU-AAP Traveling Fellow
Application of Sacral and Pudendal Nerve Stimulation in Children With a Voiding
Disorder: A Retrospective Analysis
Nele Loret1, Luitzen A. Groen1, Erik Van Laecke1, Johan Vande Walle2, Piet B. Hoebeke1
and Karel Everaert1 (1)Urology & Paediatric Urology, University Hospital Ghent,
Ghent, Belgium, (2)Paediatric Nephrology, University Hospital Ghent, Ghent, Belgium

15) 10:56 am  Randomized, Double-Blind, Placebo-Controlled Trial of Polyethylene Glycol
(MiraLAX®) for Urinary Urge Syndrome
Nicol Bush, M.D., Urology, Children's Medical Center and University of Texas
Southwestern, Dallas, TX, Anjana Shah, FNP, Pediatric Urology, Children’s Medical
Center Dallas, Dallas, TX, Theodore D. Barber, MD, Urology, University of Texas
Southwestern Medical School, Dallas, TX and Warren T. Snodgrass, M.D., Pediatric
Urology, Children’s Medical Center, Dallas, TX

16) 11:02 am  Randomized Clinical Trial Between Endoscopic Treatment with DsHA and Cohen’s
Ureteral Reimplantation for Vesicoureteral Reflux: Long-Term Results
Luis Garcia-Aparicio, MD, FEBPS, Jorge Rovira, Joan Rodo, Lucas Krauel, Bernardo Garcia-Núñez, Pedro Palazon and Luis Morales, Prof., (1)Pediatric Urology Unit, Pediatric Surgery Dept., Hospital Sant Joan de Deu, Barcelona, Spain, (2)Pediatrics and Pediatric Surgery Dept. University of Barcelona

17) 11:08 am **Undescended Testis Histology Correlation with Adult Hormone Levels and Semen Analysis**
Kate H. Kraft, Douglas A. Canning, Howard M. Snyder III and Thomas F. Kolon, Children's Hospital of Philadelphia, Philadelphia, PA

18) 11:14 am **Undescended Testes Classified According to Pre- and Postoperative Status of Gonadotropins (FSH AND LH) and Inhibin-B in Relation to Testicular Histopathology at Surgery in Infant Boys**
Dina Cortes, Pediatric Department, Hvidovre Hospital, University of Copenhagen, Copenhagen, Denmark, Bodil Laub Petersen, Department of Pathology, Rigshospitalet, University of Copenhagen, Copenhagen, Denmark and Jorgen Thorup, Department of Pediatric Surgery, Rigshospitalet, University of Copenhagen, Copenhagen, Denmark

19) 11:20 am **Psychosocial Problems Associated with Voiding Dysfunction – A Closer Look**
Cortney Wolfe-Christensen, PhD, Carrie L. Fitzgerald, DO, MPH, Luke Edwards, Larisa Kovacevic, MD, FAAP, and Yegappan Lakshmanan, MD, FAAP, (1)Department of Pediatric Urology, Children's Hospital of Michigan, Detroit, MI, (2)Wayne State University

20) 11:26 am **Protective Locus Against Renal Scarring On Chromosome 11 In Affected Sib-Pairs with Familial Vesicoureteral Reflux Identified by Single Nucleotide Polymorphism Linkage Analysis**
Bulent Onal, MD, Xiaopeng Miao, MS, Al Ozonoff, Stuart B. Bauer, Alan B. Retik, MD and Hiep T. Nguyen, MD, (1)Department of Urology, Children's Hospital Boston, Boston, MA, (2)Boston University, Boston, MA

11:32 AM **Discussion**

11:45 AM **Lunch**

12:45 PM **Session 4: Hypospadias/Penis**
Moderators: Edwin A. Smith, MD, and John H Makari, MD, FAAP

21) 12:45 pm **Risk Factors for Urethro-Cutaneous Fistula (UCF) Formation Post-Tubularized Incised Plate (TIP) Repair: Comprehensive Analysis of 1098 Patients with Distal and Midshaft Hypospadias**
Luis H. Braga, MD, PhD, Armando Lorenzo, Darius J. Bagli, Bruno Leslie and Joao L. Pippi Salle, (1)Department of Surgery/Urology, McMaster University, Hamilton, ON, Canada, (2)Urology, The Hospital for Sick Children, Toronto, ON, Canada

22) 12:51 pm **Long-Term Outcomes Measured by Uroflowmetry After Hypospadias Surgery**
Marlon Perera, B.Med.Sci, Brendan Jones, MBBS(Hons), BMedSc, Mike O’Brien and John Hutson, (1)General Surgery, Royal Children's Hospital, Melbourne, Australia, (2)Surgical Research, Murdoch Childrens Research Institute, Melbourne, Australia
23) 12:57 pm  Glans Penis Width In Patients with Hypospadias Compared to Healthy Controls
Daniel Dajusta, M.D.1, Nicol Corbin Bush, M.D.2 and Warren T. Snodgrass, M.D.2,
(1)Urology, Children's Medical Center and University of Texas Southwestern, Dallas, TX, (2)Pediatric Urology, Children's Medical Center, Dallas, TX

24) 1:03 pm  Outcome of Hypospadias Repair in Toilet-Trained Children and Adolescents
Poster 1  Boris Chertin, MD, Dan Prat and Stanislav Kocherov, MD, Pediatric Urology, Shaare Zedek Medical Center, Jerusalem, Israel

25) 1:07 pm  Exposure to Testosterone From Weeks 2 to 12 of Life Is Sufficient, but Not Necessary, to Support Male Gender Development
Poster 2  Amy B. Wisniewski, Ph.D., Blake W. Palmer, M.D., Afsaneh Talai, Dominic Frimberger, M.D., William G. Reiner, M.D. and Bradley P. Kropp, M.D., Pediatric Urology, University of Oklahoma Health Sciences Center, Oklahoma City, OK

26) 1:11 pm  Expression of Estrogen Receptor Alpha and Beta Is Decreased In Hypospadias
Poster 50  Liang Qiao, MD, PhD1, Esequiel Rodriguez Jr., MD2, Mei Cao, MD2, Max Ferretti1, Gerald Cunha3 and Laurence S. Baskin, MD2, (1)Urology, University of California San Francisco, San Francisco, CA, (2)Urology, University of California, San Francisco, San Francisco, CA, (3)Department of Urology, UCSF, San Francisco, CA

27) 1:15 pm  Timing of Flutamide Exposure Causes Varied Degrees of Malformations In Mouse Penis and Clitoris
Poster 51  Dana A. Weiss, Esequiel Rodriguez Jr., Gerald Cunha and Laurence S. Baskin, Department of Urology, UCSF, San Francisco, CA

28) 1:19 pm  Concealed Penis After Neonatal Circumcision-Does It Result From Insufficient Excision of Foreskin?
Oded J. Kessler, Yael Shapira and Ami Sidi, Urology, Wolfson Medical Center, Holon, Israel

29) 1:25 pm  Is Circumcision Revision Becoming More Common?
Poster 3  Paul J. Kokorowski, M.D., M.P.H.1, Jonathan C. Routh, M.D., M.P.H.2, Dionne A. Graham, Ph.D.3 and Caleb P. Nelson, M.D., M.P.H.2, (1)Urology, Children's Hospital Boston, Boston, MA, (2)Department of Urology, Children's Hospital Boston, Boston, MA, (3)Clinical Research Program, Children's Hospital Boston, Boston, MA

1:29 PM  Discussion

1:45 PM  Panel -- Complex Hypospadias: Continuing Challenges
Moderator: Douglas A. Canning, MD, FAAP
Warren Snodgrass, MD, FAAP
Thomas F. Kolon, MD, FAAP
Rafael Gozalbez, Jr., MD, FAAP
John W. Brock III, MD, FAAP

2:30 PM  Break/Poster Viewing

2:45 PM  Session 5: Vesicoureteral Reflux
30) 2:45 pm  **Pediatricians' Practice Patterns for Children with Vesicoureteral Reflux**  
**Judith Hagedorn, MD and Michael Hsieh, MD, PhD, Urology, Stanford University School of Medicine, Stanford, CA**

31) 2:51 pm  **Familial Vesicoureteral Reflux and Reflux Related Morbidity In Relatives of Index Patients with High Grade Vesicoureteral Reflux**  
**Manuela Hunziker and Prem Puri, Our Lady's Children's Hospital, National Children's Research Centre, Dublin, Ireland**

32) 2:57 pm  **Practice Patterns In the Use of Deflux® to Treat Vesicoureteral Reflux**  
**Gina Cambareri, M.D., Urology, UMDNJ-New Jersey Medical School, New York, NY, NY, Jeffrey A. Stock, M.D., F.A.A.P., Pediatric Urology, Children's Hospital of New Jersey, West Orange, NJ and Moneer K. Hanna, M.D., F.A.A.P., Pediatric Urology, New York Weill Cornell Medical Center, New York, NY**

33) 3:03 pm  **Predictors of Short-Stay Hospitalization After Ureteral Reimplantation for Vesicoureteral Reflux At U.S. Children's Hospitals**  
**Katherine C. Hubert, M.D.¹, Dionne A. Graham, Ph.D.² and Caleb P. Nelson¹, (1)Department of Urology, Children's Hospital Boston, Boston, MA, (2)Clinical Research Program, Children's Hospital Boston, Boston, MA**

34) 3:09 pm  **Clinical Outcomes and Long-Term Resolution In Patients with Persistent Vesicoureteral Reflux After Ureteral Reimplantation**  
**Katherine C. Hubert, M.D., Lin Huang, PhD, Michaella M. Prasad, M.D., Ilina K. Rosoklija, M.P.H., Alan B. Retik, MD and Caleb P. Nelson, M.D., M.P.H., Department of Urology, Children's Hospital Boston, Boston, MA**

35) 3:15 pm  **Bladder/Bowel Dysfunction After Surgical Correction of Vesicoureteral Reflux**  
**Sarah Deery, Douglass B. Clayton, MD, John C. Thomas, MD, John C. Pope IV, MD, Mark C. Adams, MD, John W. Brock III, MD and Stacy T. Tanaka, MD, Division of Pediatric Urology, Monroe Carell Jr. Children's Hospital at Vanderbilt, Nashville, TN**

36) 3:21 pm  **Downgrading of High Grade VUR is a Reliable Option in the Treatment of Children with Grade IV-V VUR and Breakthrough Infections**  
**Boris Chertin, MD and Stanislav Kocherov, Pediatric Urology, Shaare Zedek Medical Center, Jerusalem, Israel**

37) 3:27 pm  **Observation of Vesicoureteral Reflux Patients off Antibiotic Prophylaxis: Physician Bias On Patient Selection and Risk Factors for Developing Recurrent Febrile UTI**  
**Beth A. Drzewiecki, MD, John C. Thomas, MD, John C. Pope IV, MD, Mark C. Adams, MD, John W. Brock III, MD and Stacy T. Tanaka, MD, Division of Pediatric Urology, Monroe Carell Jr. Children's Hospital at Vanderbilt, Nashville, TN**

38) 3:33 pm  **Risk Factors for the Development of Renal Parenchymal Damage In Primary High Grade Vesicoureteral Reflux During the First 3 Years of Life**
**Poster 4**

Manuela Hunziker¹, Balazs Kutasy¹, Federica D'Asta² and Prem Puri¹, (1)Our Lady's Children's Hospital, National Children's Research Centre, Dublin, Ireland, (2)Pediatric Surgery, National Children's Hospital, Dublin 24, Ireland

39) 3:37 pm Small Centre Experience with Endoscopic Subureteral Dextranomer/Hyaluronic Acid Injection As First Line Treatment In 1551 Children with High Grade Vesioureteral Reflux

**Poster 5**

Prem Puri¹, Manuela Hunziker¹, Balazs Kutasy¹, Nochiparambil Mohanan², Maria Menezes² and Eric Colhoun³, (1)Our Lady's Children's Hospital, National Children's Research Centre, Dublin 12, Ireland, (2)Pediatric Surgery, National Children's Hospital, Dublin 24, Ireland, (3)Department of Radiology, National Children's Hospital, Dublin 24, Ireland

40) 3:41 pm A Reliability Assessment of the International Vesicoureteric Reflux Grading System

**Poster 6**

Charles B. Metcalfe, Andrew E. MacNeily and Kourosh Afshar, Department of Urologic Sciences, University of British Columbia, Vancouver, BC, Canada

3:45 PM Discussion

4:00 PM Panel – New AAP Guidelines on UTI and Reflux
Moderator: Christopher S. Cooper, MD, FAAP
Point: Kenneth B. Roberts, MD, FAAP
Counterpoint: Craig A. Peters, MD, FAAP

5:00 PM Adjourn to “Pediatric Surgical Specialists Reception” with Industry (free to attendees)

5:30 pm Presentation of Research Prizes at Surgical Specialists reception

Boston Convention and Exhibition Center, Ballroom Foyer (Ballroom Level 3)

7:00 pm-10:30 pm Section on Urology banquet ($100 ticket)

Renaissance Waterfront Hotel, Pacific Grand Ballroom A-D (3rd floor, Ocean Level)
The traditional Section on Urology banquet will be held on Saturday from 7:00 – 10:30 pm. The ticketed $100 event (M26 on catered event registration form) will include a sit-down dinner and 70’s tribute band to celebrate our 40° anniversary. So please join us and party like it’s 1971.

**Sunday, October 16**

8:00 am – 5:15 pm

Session # H2019

Section on Urology Program: Day 2

Boston Convention and Exhibition Center, Room 210 (meeting level 2)

8:00 AM Session 6: Oncology and Transplant
Moderators: Jonathan H. Ross, MD, FAAP, and Martin A. Koyle, MD, FAAP

41) 8:00 am Pathologic Review of Wilms Tumor Nephrectomy Specimens and Potential Implications for Partial Nephrectomy In Wilms Tumor
Nicholas G. Cost, M.D.¹, Jessica Lubahn, M.D.¹, Candace F. Granberg, M.D.¹, Arthur I. Sagalowsky, M.D.¹, Jonathan Wickiser, M.D.², Patricio Gargollo, M.D.¹, Linda A. Baker,
Correlation Between Pre-Operative Staging Computed Tomography and Pathologic Findings After Nodal Sampling In Children with Wilms Tumor
Nicholas G. Cost, M.D., Jessica D. Lubahn, M.D., Jeannie Kwon, M.D., Jerry Allen Powell, M.D., Mary Yang, M.D., Candace F. Granberg, M.D., Jonathan Wickiser, M.D., Dinesh Rakheja, M.D., Patricio Gargollo, M.D., Linda A. Baker, M.D. and Vitaly Margulis, M.D., (1)Urology, University of Texas Southwestern Medical School, Dallas, TX, (2)Radiology, University of Texas Southwestern Medical Center, (3)Pediatric Hematology and Oncology, University of Texas Southwestern Medical School, Dallas, TX, (4)Pathology, University of Texas Southwestern Medical School, Dallas, TX

Single Institution Experience with Tru-Cut Renal Mass Biopsy for Diagnosing Wilms Tumor
Nicholas G. Cost, M.D., Candace F. Granberg, M.D., Bruce J. Schlomer, M.D., Jonathan Wickiser, M.D., Patricio Gargollo, M.D., Linda A. Baker, MD and Dinesh Rakheja, M.D., (1)Urology, University of Texas Southwestern Medical School, Dallas, TX, (2)Pediatric Hematology and Oncology, University of Texas Southwestern Medical School, Dallas, TX, (3)Pathology, University of Texas Southwestern Medical School, Dallas, TX

Nephron-Sparing Surgery for Unilateral Wilms' Tumors In Children with Predisposing Syndromes: Single Center Experience Over 10 Years
Rodrigo LP Romão, Joao L. Pippi Salle, Cheryl Shuman, Rosanna Weksberg, Victor H. Figueroa, Bryce Weber, Darius J. Bagli, Ronald Grant, J. Ted Gerstle and Armando J. Lorenzo, (1)Division of Urology, The Hospital for Sick Children, Toronto, ON, Canada, (2)Division of Clinical and Metabolic Genetics, The Hospital for Sick Children, Toronto, ON, Canada, (3)Division of Hematology/Oncology, The Hospital for Sick Children, Toronto, ON, Canada, (4)Division of General and Thoracic Surgery, The Hospital for Sick Children, Toronto, ON, Canada

Determinants of Surgical Complications In Pediatric Renal Transplantation
Stephen Faddegon, MD, Andrew MacNeily, MD, FRCSC, FAAP and Kourosh Afshar, MD, MHSc, FRCSC, FAAP, Department of Urologic Sciences, University of British Columbia, Vancouver, BC, Canada

Urinary Tract Infections In Pediatric Renal Transplant Patients: Can We Predict Who Will Be Affected?
Eric Nelson, Kimberly Burrows, Judy Choi, Sharif Currimbhoy, Eileen Brewer and David Roth, Scott Department of Urology, Baylor College of Medicine, Houston, TX

SAFE for Transplant. Says WHO?
Alun R. Williams, Nia Fraser, Manoj U. Shenoy and Kath Halliday, (1)Paediatric Urology and Transplant Unit, Nottingham University Hospitals NHS Trust, Nottingham,
United Kingdom, (2) Department of Paediatric Urology, Nottingham University Hospitals NHS Trust, Nottingham, United Kingdom, (3) Department of Paediatric Radiology, Nottingham University Hospitals NHS Trust, Nottingham, United Kingdom

8:36 AM  Discussion

8:50 AM  AAP Lattimer Lecturer -- Robert E. Moffit, PhD
The Impact of the Patient Protection and Affordable Care Act on Delivery of Health Care in America

9:35 AM  Break/Poster Viewing

9:55 AM  Panel: Clinical Research in Pediatric Urology: the Need, the Challenge, and the Way Forward
Moderator: Hillary L. Copp, MD, MS
Caleb P. Nelson, MD, MPH
Mark A. Schuster, MD, PhD, FAAP
Jim C. Hu, MD, MPH

10:40 AM  Session 7: Myelomeningocele
Moderators: William R. DeFoor Jr. MD, FAAP, and Andrew E. MacNeil, MD, FAAP

48) 10:40 am  Parenting Distress and Parenting Characteristics of Caregivers of Children with Spina Bifida
Blake W. Palmer, M.D.1, Yuehong Tao, M.D.2, Jamie Ryan, M.D.3, Jake Klein, ARNP, CPNP, MS3, Bradley P. Kropp, M.D.1, Amy B. Wisniewski, Ph.D.1, and Dominic Frimberger, M.D.1, (1) Pediatric Urology, University of Oklahoma Health Sciences Center, Oklahoma City, OK, (2) Pediatrics, Affiliated Hospital of Yangzhou University, Yangzhou City, China, (3) Psychology, Oklahoma State University, Stillwater, OK

49) 10:46 am  In-Utero Repair of Myelomeningocele Does Not Improve Lower Urinary Tract Function
Pablo Gomez III1, Vikrant Uberoi, MD2, Nora G. Lee, MD2, Paul J. Kokorowski, M.D., M.P.H.1, Shahram Khoshbin, MD3, Stuart B. Bauer, MD1 and Carlos R. Estrada, MD1, (1) Urology, Children's Hospital Boston, Boston, MA, (2) Urology, Boston Medical Center, Boston, MA, (3) Neurology, Brigham and Women's Hospital, Boston, MA

50) 10:52 am  Urodynamic Parameters to Determine Management of Infants with Myelomeningocele: Early Intervention Versus Continued Observation
Candace F. Granberg, M.D., Nicholas G. Cost, M.D., Patricio C. Gargollo, M.D. and Warren T. Snodgrass, M.D., Pediatric Urology, Children's Medical Center, Dallas, TX

51) 10:58 am  Demographics of Spinal Dysrphism Among Major Ethnic Groups In a Tertiary Referral Centre: Lessons Learnt
Arun K. Srinivasan, MD, James Elmore, Charlotte Massad, Andrew Kirsch and Edwin Smith, Pediatric Urology, Childrens Hospital of Atlanta, Emory University Medical Center, Atlanta, GA

11:04 AM  Discussion
11:12 AM  Pediatric Urology Medal Presentation  
Recipient: Stuart B. Bauer, MD  
Presenter: David B. Joseph, MD

11:35 AM  Business meeting

12:00 noon  Lunch Break

1:30 PM  Panel: Transitional Care: From Pediatric Patient to the Rest of Your Life  
Moderator: Stacy T. Tanaka, MD  
Rosalia Misseri, MD, FAAP  
Melissa Kaufmann, MD, PhD  
Suzanne McLaughlin, MD, FAAP

2:15 PM  Session 8: Bladder  
Moderators: Darius J. Bagli, MD, FAAP, and Richard S. Lee, MD, FAAP

52) 2:15 pm  Long Term Follow up After Endoscopic Treatment of Vesicoureteral Reflux with Dextranomer/Hyaluronic Acid Copolymer In Patients with Neurogenic Bladder  
A. Scott Polackwich, MD1, Steven J. Skoog, MD, FAAP2 and J. Christopher Austin, MD1,  
(1)Surgery/ Urology, Oregon Health and Science Universityy, Portland, OR, (2)Surgery/ Urology, Oregon Health and Science University, Portland, OR

53) 2:21 pm  Early Administration of Oxybutynin Improves Bladder Function and Clinical Outcomes In Newborns with Posterior Urethral Valves  
Jessica T. Casey, M.S., M.D.1, Jennifer A. Hagerty, D.O.2, Max Maizels, M.D.1, Antonio H. Chaviano, M.D.1, Elizabeth Yerkes, M.D., FAAP1, Bruce W. Lindgren, M.D., FAAP1, William E. Kaplan, M.D.1, Theresa Meyer, R.N., M.S.1 and Earl Y. Cheng, M.D., FAAP1,  
(1)Urology, Children's Memorial Hospital, Chicago, IL, (2)Surgery/Urology, AI duPont Hospital for Children, Wilmington, DE

54) 2:27 pm  Evaluation of Pelvic Floor Muscular Redistribution After Primary Closure of Classic Bladder Exstrophy by 3D-MRI  
Andrew A. Stec, MD1, Aylin Tekes2, Gulhan Ertan2, Thomas E. Novak3, Timothy M. Phillips, MD4, Meiyappan Solaiyappan2, Thierry A. Huysman2 and John P. Gearhart4,  
(1)Brady Urological Institute, Johns Hopkins University School of Medicine, Baltimore, MD, (2)Division of Pediatric Radiology, Johns Hopkins University School of Medicine, Baltimore, MD, (3)Department of Urology, Brooke Army Medical Center, Fort Sam Houston, TX

55) 2:33 pm  Does Delayed Exstrophy Repair Compromise Bladder Growth?  
Salvatore Arena, Janet Fishwick, Simona Nappo, Alan P. Dickson and Raimondo M. Cervellione, Department of Paediatric Urology, Royal Manchester Children's Hospital, Manchester, United Kingdom

Poster 52  Conrad C. Maciejewski, MD¹, Dariush Honardoust, PhD², Edward E. Tredget, MD, PhD² and Peter D. Metcalfe, MD, MSc, FRCSC³, (1)Surgery, Division of Urology, University of Alberta, Edmonton, AB, Canada, (2)Surgery, Division of Plastic Surgery, University of Alberta, Edmonton, AB, Canada

57) 2:43 pm  Upregulation of the Hypoxia Pathway Alone Is Not Sufficient to Explain Fibrosis In Partial Bladder Outlet Obstruction In Murine Model

Poster 53  Beth A. Drzewiecki, MD¹, Douglass B. Clayton, MD¹, Govindaraj Anumanthan, PhD¹, John C. Thomas, MD¹, Mark C. Adams, MD¹, Robert J. Matusik, PhD², Simon W. Hayward, PhD², John W. Brock III, MD¹, John C. Pope IV, MD¹ and Stacy T. Tanaka, MD¹, (1)Division of Pediatric Urology, Monroe Carell Jr. Children's Hospital at Vanderbilt, Nashville, TN, (2)Department of Urologic Surgery, Vanderbilt University Medical Center, Nashville, TN

58) 2:47 pm  Stimulation of Angiogenesis for Radiation Cystitis

Poster 54  Roberto Soler, MD, PhD¹, Alberto Vianello, MD², Claudius Fullhase, MD², Tamer Aboushwareb, MS, MD, PhD², James J. Yoo, MD, PhD⁴, Shay Soker³, Anthony J. Atala, MD, FAAP⁴ and J. Koudy Williams, MS, DVM², (1)Urology and Regenerative medicine, Wake Forest University, Winston Salem, NC, (2)Urology and Regenerative Medicine, Wake Forest University, Winston Salem, NC, (3)Regenerative medicine, Wake Forest University, Winston Salem, NC, (4)Urology and Regenerative medicine, Wake Forest University Baptist Medical Center, Winston Salem, NC

59) 2:51 pm  Murine Bladder Compliance Changes Following Partial Bladder Outlet Obstruction

Poster 55  Beth A. Drzewiecki, MD¹, Joseph Chen², Stacy T. Tanaka, MD¹, John C. Thomas, MD¹, Mark C. Adams, MD¹, John W. Brock III, MD¹, W. David Merryman, PhD² and John C. Pope IV, MD¹, (1)Division of Pediatric Urology, Monroe Carell Jr. Children's Hospital at Vanderbilt, Nashville, TN, (2)Department of Biomedical Engineering, Vanderbilt University School of Engineering, Nashville, TN

2:55 PM  Discussion

3:00 PM  Break/Poster Viewing

3:30 PM  Video Panel : Surgical Options for Continence: Roads Less Traveled
Moderators: Elizabeth B. Yerkes, MD, FAAP and Mark P. Cain, MD, FAAP
Rafal Chrzan, MD – Vesicoscopic Bladder Neck Reconstruction
Andrew Kirsch, MD, FAAP – Combined Laparoscopic MACE Procedure with Antegrade Deflux Injection of the Bladder Neck
Domininc Frimberger, MD – The Use of Deflux in the Incontinent Continent Catheterizable Channel
Elizabeth Yerkes, MD, FAAP – Intravesical Botox Therapy for Pediatric Urologists

4:15 PM  Session 9: Incontinence/Reconstruction
Moderators: João L. Pippi-Salle, MD, FAAP, and Richard C. Rink, MD, FAAP
60) 4:15 pm  **Does Robotic Assisted Surgical Approach Reduce Adhesion Formation Compared to the Open Approach In Ileocystoplasty?**

Aria A. Razmaria, Pablo Marchetti, Marcelo Orvieto, Sandip Prasad, Gautam Jayram, Kyle Kiriluk, Alex Rosen, Arieh L. Shalhav and Mohan S. Gundeti, MD, Section of Urology, The University of Chicago Medical Center, Chicago, IL

61) 4:21 pm  **Outcome of the Lima Constrictor In Pediatric Urology: A European Perspective**

Marie-Klaire Farrugia, MD, MD(Res), FRCS(Ed)PaedSurg, Andrew Nielson, MBChB, MRCS, Henri Lottmann, Guy Nicholls, BSc, MD, FRCS(Paed), Mark Woodward, MD, FRCS(PaedSurg) and Pat S. Malone, (1)Paediatric Urology, Chelsea and Westminster Hospital, London, United Kingdom, (2)Paediatric Urology, Bristol Royal Hospital for Children, Bristol, United Kingdom, (3)Urologie Pediatrique, Hôpital Necker Enfants Malades, Paris, France, (4)Paediatric Urology, Southampton University Hospital, Southampton, United Kingdom

62) 4:27 pm  **The Neuropathic Bladder with Associated Vesicouretral Reflux: Is Antireflux Surgery Required with Ileocystoplasty?**

Tamer Helmy, MD and Ashraf T. Hafez, MD, Urology, Urology & Nephrology Center, Mansoura University, Mansoura, Egypt

63) 4:33 pm  **Durability of Continence Analysis In Children with Neurogenic Bladder Undergoing Sling without Augmentation**

Candace F. Granberg, M.D., Nicol Corbin Bush, M.D., Patricio C. Gargollo, M.D. and Warren T. Snodgrass, M.D., Pediatric Urology, Children's Medical Center, Dallas, TX

64) 4:39 pm  **Long-Term Effects of Dextranomer Endoscopic Injections For The Treatment of Urinary Incontinence In Patients With Neuropathic Bladder**

Ilona Alova, Paediatric Surgery, Necker Enfants Malades Hospital, Paris, France, Marc Margaryan, Paediatric Surgery, Nancy Children University Hospital, Nancy, France and Henri Lottmann, Urologie Pediatrique, Hôpital Necker Enfants Malades, Paris, France

65) 4:45 pm  **Bladder Neck Closure In Conjunction with Enterocystoplasty and Mitrofanoff Diversion for Complex Incontinence: Closing the Door for Good**

Andrew E. MacNeil, MD, FRCSC, FAAP, Alex Kavanagh, MD, Heidi Scott, BScN and Kourosh Afshar, MD, FRCSC, FAAP, Pediatric Urology, British Columbia Children's Hospital, Vancouver, BC, Canada

66) 4:51 pm  **Growth Factor Release From a Chemically Modified Elastomeric Scaffold Promotes Angiogenesis In Vivo**

*Poster 56*

Arun K. Sharma, PhD, Matthew Bury, MS, Natalie Fuller and Earl Y. Cheng, (1)Pediatric Urology/Urology, Children's Memorial Hospital/Northwestern Feinberg School of Medicine/The Institute for BioNanotechnology in Medicine, Chicago, IL, (2)Urology, Children's Memorial Hospital, Chicago, IL, (3)Urology, Children's Memorial Hospital, Chicago, IL

67) 4:55 pm  **An Innovative Approach to Maintain Tissue Viability for Surgical Reconstruction**

*Poster 57*

Jaehyun Kim, Ph.D., Tanner Hill, Sang Jin Lee, Ph.D., Tamer Aboushwareb, MS, MD, PhD, Karl-Erik Andersson, MD, PhD, James J. Yoo, MD, PhD and Anthony J. Atala,
MD, FAAP, (1)Institute for Regenerative Medicine, Wake Forest University, Winston-Salem, NC, (2)Urology and Regenerative Medicine, and Biomedical engineering, Wake Forest University, Winston Salem, NC, (3)Urology and Regenerative medicine, Wake Forest University, Winston Salem, NC, (4)Regenerative medicine, Wake Forest University, Winston Salem, NC, (5)Urology and Regenerative medicine, Wake Forest University Baptist Medical Center, Winston Salem, NC

4:59 PM  Discussion

5:15 PM  Adjourn

Monday, October 17
8:00 am – 4:40 pm
Session # H3018
Section on Urology Program: Day 3
Boston Convention and Exhibition Center, Room 210 (meeting level 2)

8:00 PM  Session 10: Voiding Dysfunction/UTI
Moderators: Anthony A Caldamone, MD, FAAP, and Julian Hsin-Cheng Wan, MD, FAAP

68) 8:00 am  Correlation of Bladder Dysfunction and Cognitive Function In Children with Severe Refractory Primary Nocturnal Enuresis: Further Evidence of Bladder Brain Dialogue
Biji Sreedhar, PhD, The School of Biomedical Sciences, The Chinese University of Hong Kong, Shatin, Hong Kong, Chung Kwong Yeung, MD, Surgery, The Chinese University of Hong Kong, Vivian YF Leung, PhD, Radiology, The Chinese University of Hong Kong, Hong Kong and Alex Au Yeung, The Chinese University of Hong, Hong Kong

69) 8:06 am  Utility of Validated Bladder / Bowel Dysfunction Questionnaire In the Clinical Pediatric Urology Setting
Beth A. Drzewiecki, MD, John C. Thomas, MD, John C. Pope IV, MD, Mark C. Adams, MD, John W. Brock III, MD and Stacy T. Tanaka, MD, Division of Pediatric Urology, Monroe Carell Jr. Children's Hospital at Vanderbilt, Nashville, TN

70) 8:12 am  Use of Non-Invasive Uroflowmetry with Stimultaneous EMG to Monitor Patient Response to Treatment for Non-Neurogenic Voiding Disorders
Jason P. Van Batavia, MD, Andrew J. Combs, RPA-C, Agnes Bayer, CPNP, Daisy Medina-Kreppein, FNP and Kenneth I. Glassberg, MD, FAAP, (1)Division of Pediatric Urology, Department of Urology, Columbia University College of Physicians and Surgeons, Morgan Stanley Children's Hospital of New York - Presbyterian, New York, NY, (2)Department of Urology, Division of Pediatric Urology, Columbia University College of Physicians and Surgeons, Morgan Stanley Children's Hospital of New York - Presbyterian, New York, NY

71) 8:18 am  Application of Sacral and Pudendal Nerve Stimulation In Children with a Voiding Disorder: a Retrospective Analysis
Cranberry Juice for the Prevention of Pediatric Urinary Tract Infection: A Quadruple Blind Randomized Controlled Trial
Kourosh Afshar, MD, MHSC, FRCSC, FAAP, Lynn Stothers, MD, MHSC, FRCSC, Heidi Scott, BSc and Andrew MacNeily, MD, FRCSC, FAAP, Department of Urologic Sciences, University of British Columbia, Vancouver, BC, Canada

Enuretic Children with Attention Deficit Hyperactivity Disorder (ADHD): A Separate Entity?
Poster 10
Larisa Kovacevic, MD, FAAP, Roger Chen, Cortney Wolfe-Christensen, PhD, Monika Toton, Mariola Koplejewska, Jessica Yih and Yegappan Lakshmanan, MD, FAAP, (1)Department of Pediatric Urology, Children's Hospital of Michigan, Detroit, MI, (2)Wayne State University, Detroit, MI

Urodynamic Assessment and Continence Status In Children with Cerebral Palsy Undergoing Oral Baclofen Treatment
Poster 11
Paul F. Austin, MD, FAAP, Douglas E. Coplen, MD, FAAP, Erica J. Traxel, M.D., Jilda N. Vargus-Adams, MD, MSc, Elizabeth Jackson, MD and Janice E. Brunstrom-Hernandez, MD, FAAP, (1)Pediatric Urology, Washington University School of Medicine, St. Louis, MO, (2)Division of Pediatric Rehabilitation, Departments of Pediatrics and Physical Medicine & Rehabilitation, University of Cincinnati School of Medicine, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, (3)Division of Pediatric Urology and Nephrology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, (4)Departments of Neurology and Pediatrics, Washington University School of Medicine, St. Louis, MO

Remembrances of Micturitions Past – Targeted Induction of CREBi to the Forebrain and Amygdala Prevents Social Stress Induced Voiding Dysfunction
Poster 58

Absence of Prostatic Growth In Large Cohort of Adult Female Patients with Congenital Adrenal Hyperplasia (CAH)
Paul J. Doherty, Ariella A. Friedman, MD, Claude J. Migeon, Katarzyna Macura, Amirali Hassanzadeh Salmasi and Yegappan Lakshmanan, (1)Brady Urological Institute, Johns Hopkins Medical Institutions, Baltimore, MD,(2)Urology, Henry Ford Health System, Detroit, MI, (3)Pediatric endocrinology, John Hopkins School of
77) 9:01 am  **Long Term Renal Outcomes of Patients with Cloacal Malformation**  
Shumyle Alam, MD¹, Keith Webb², Paul H. Noh, MD³, Alice Payton, MD¹, Curtis A. Sheldon, MD¹, Alberto Peña, M.D.² and Marc A. Levitt, MD, FAAP², (1)Division of Pediatric Urology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, (2)Colorectal Center for Children, Cincinnati Children's Hospital Medical Center, Cincinnati, OH

78) 9:07 am  **Use of the Anterior Sagittal Anorectovaginourethroplasty for Definitive Repair of the Cloaca**  
Margaret Baka-Ostrowska, Piotr Kalicinski, Piotr Gastol and Lidia Skobejko-Wlodarska, Pediatric Urology, The Childrens Memorial Health Institute, Warsaw, Poland

79) 9:13 am  **Degree of External Genital Malformation At Birth In Children with a Disorder of Sex Development and Subsequent Caregiver Distress**  
Courtney Wolfe-Christensen, PhD¹, David A. Fedele, M.S.², Katherine Kirk, RN³, Timothy M. Phillips, MD⁴, Tom Mazur⁵, Larry L. Mullins, PhD⁶, Steven D. Chernausek, MD⁷, Yegappan Lakshmanan¹ and Amy B. Wisniewski, Ph.D.⁷, (1)Department of Pediatric Urology, Children's Hospital of Michigan, Detroit, MI, (2)Psychology, Oklahoma State University, Stillwater, OK, (3)Nursing, University of Oklahoma College of Nursing, Oklahoma City, OK, (4)Department of Urology, Brooke Army Medical Center, Frot Sam Houston, TX, (5)Endocrinology, State University of New York at Buffalo School of Medicine, Buffalo, NY, (6)Pediatrics, University of Oklahoma Health Sciences Center, Oklahoma City, OK, (7)Pediatrics, University of Oklahoma Health Science Center, Oklahoma City, OK

80) 9:19 am  **Discordant Sex-Assignment In XY Neonates: Factors In Later Transition to Male**  
William G. Reiner, MD¹, Dominic Frimberger, MD², Wisniewski Amy, PhD² and Kropp Bradley¹, (1)Pediatric Urology/Child and Adolescent Psychiatry, University of Oklahoma Health Sciences Center, Oklahoma, OK, (2)Pediatric Urology, University of Oklahoma Health Science Center, Oklahoma, OK

9:23 AM  Discussion

9:31 AM  **Session 12: Imaging**  
Moderators: Patrick C Cartwright, MD, FAAP, and Andrew J. Kirsch, MD, FAAP

81) 9:31 am  **Patient and Family Impact of Genito-Urinary Diagnostic Imaging Tests**  
Caleb P. Nelson, M.D., M.P.H.¹, Jeanne S. Chow¹, Ilina Rosoklija¹, Sarah Dobbins, MPH¹, Sonja Ziniel, Ph.D.², Jonathan Routh¹ and Bartley G. Cilento, Jr.¹, (1)Department of Urology, Children's Hospital Boston, Boston, MA, (2)Clinical Research Program, Children's Hospital Boston, Boston, MA

82) 9:37 am  **The RIVUR Voiding Cystourethrogram Pilot Study: Experience with Radiologic Reading Concordance**
Saul Greenfield, MD, FAAP, Urology, State University of New York at Buffalo School of Medicine, Buffalo, NY, Myra Carpenter, PhD, Department of Biostatistics, University of North Carolina at Chapel Hill, Chapel Hill, NC, Russell W. Chesney, MD, FAAP, Pediatrics, Le Bonheur Children's Medical Center, Memphis, TN, J. Michael Zerin, MD, FAAP, Radiology, Children's Hospital of Michigan, Detroit, MI and Jeanne Chow, MD, Radiology, Children's Hospital Boston, Boston, MA

83) 9:43 am  Use of Abdominal X-Rays to Diagnose Constipation In Children with Voiding Symptoms
Irina Stanasel, MD, Ilya Gorbachinsky, MD, Kyle A. Richards, Gordon A. McLorie and Steve J. Hodges, Urology, Wake Forest University Baptist Medical Center, Winston-Salem, NC

84) 9:49 am  Definition of Reliable Objective Criteria by Abdominal Radiography to Identify Occult Constipation In Children with Lower Urinary Tract Symptoms
Poster 13
Andrew Marks, MD, FRCS, Evalynn Vasquez, MD, Susan Moylan, MSN, RN, CPNP, Dawn Saldano, RN, APN, CPNP, Jennifer Schreiber, MSN, PNP, Martha Saker, MD and Bruce W. Lindgren, MD, FAAP, Urology, Children's Memorial Hospital, Chicago, IL

85) 9:53 am  Application of Nanotechnology for A Catheter-free Voiding Cystourethrogram
Poster 59
Andy Y. Chang¹, Emine Boz², Xinping Wu², Vincent Li² and Travis Williams², (1)Pediatric Urology, CHLA / USC, Los Angeles, CA, (2)Chemistry, University of Southern California, Los Angeles, CA

9:57 AM  Discussion

10:05 AM  Break/Poster Viewing

10:25 AM  Video Panel: New Approaches to Old Procedures: Laparoscopic Reflux Surgery
Moderator: John C. Thomas, MD, FAAP
Rama Jayanthi, MD, FAAP – Laparoscopic Intravesical Ureteral Reimplantation
Aseem Shukla, MD, FAAP - The Versatility of the Robotic Extravesical Ureteral Reimplant Technique
Jack Elder, MD, FAAP – Robotic-Assisted Ureteral Reimplantation

11:25 AM  Session 13: Laparoscopy and Stones
Moderators: Lars J. Cisek, MD, PhD, and Stephen J. Canon, MD, FAAP

86) 11:25 am  Vesicoscopic Cross-Trigonal Ureteral Reimplantation: Extended Experience Confirms Efficacy of Procedure
Chandra Singh Jeyachandra Berry, M.D., Ashay Patel and Venkata R. Jayanthi, MD, Pediatric Urology, Nationwide Children's Hospital, Columbus, OH

87) 11:31 am  Virtual Instrument Pedals: Towards Improved Surgeon Ergonomics and Operating Room Safety
Siddarth Satish¹, Amer Abdulla¹, Charles Zhao¹, David Rempel, MD, MPH², Mark Gonzalgo, MD, PhD³ and Michael Hsieh, MD, PhD³, (1)UCSF/UC Berkeley Joint Graduate Group in Bioengineering, Berkeley, CA, (2)Bioengineering, University of
88) 11:37 am  **Robotic Pyeloplasty Analysis In Pediatrics: A Prospective Analysis**  
*Kelly Chiles, MD, Katherine W. Herbst, M.Sc., and Christina Kim, MD, (1)Urology, University of Connecticut, Farmington, CT, (2)Division of Urology, Children's Medical Center, Hartford, CT*

89) 11:43 am  **Association of Urolithiasis with Obesity, Hypertension, and Diabetes In Pediatric Patients**  
*Paul J. Kokorowski, M.D., M.P.H., Jonathan C. Routh, M.D., M.P.H., Katherine C. Hubert, M.D., Dionne A. Graham, Ph.D., and Caleb P. Nelson, M.D., M.P.H., (1)Urology, Children's Hospital Boston, Boston, MA, (2)Department of Urology, Children's Hospital Boston, Boston, MA, (3)Clinical Research Program, Children's Hospital Boston, Boston, MA*

90) 11:49 am  **Prospective Evaluation of Urinary Stone RISK Indices IN Morbidly Obese Adolescents**  
*W. Robert DeFoor Jr., MD, MPH, FAAP, Linda Kollar, Elizabeth Jackson, Kathleen Hrovat, Thomas Inge, and John Asplin, (1)Division of Pediatric Urology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, (2)Division of Bariatric Surgery, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, (3)Division of Nephrology, University of Chicago, Chicago, IL*

91) 11:55 am  **Nomogram for Predicting Stone–Free Status After Shock Wave Lithotripsy In 395 Children with Urolithiasis**  
*Bulent Onal, MD, Nejat Tansu, MD, Oktay Demirkesen, MD, Veli Yalcin, MD, Lin Huang, PhD, Hiep T. Nguyen, MD, Bartley Cilento, MD, and Ahmet Erozenci, MD, (1)Department of Urology, Children's Hospital Boston, Boston, MA, (2)Department of Urology, Cerrahpasa Medical School Istanbul University*

92) 12:01 pm  **From Hypercalciuria to Hypocitraturia - An Evolving Trend In Pediatric Urolithiasis?**  
*Larisa Kovacevic, MD, FAAP, Luke Edwards, Cortney Wolfe-Christensen, PhD, and Yegappan Lakshmanan, MD, FAAP, (1)Department of Pediatric Urology, Children's Hospital of Michigan, Detroit, MI, (2)Wayne State University, Detroit, MI*

93) 12:07 pm  **Severity of Inaccuracies In National Coding Databases In Pediatric Urolithiasis**  
*Poster 14*  
*Daniel Dajusta, Neel Srikishen, Aditya Bagrodia, Candace F. Granberg, Theodore D. Barber, Benjamin Brown, Rong Huang, Nicol Corbin Bush, and Linda A. Baker, (1)Urology, Children's Medical Center and University of Texas Southwestern, Dallas, TX, (2)Pediatric Urology, Children's Medical Center Dallas, Dallas, TX, (3)Urology, University of Texas Southwestern Medical Center, Dallas, TX, (4)Pediatric Urology, Children's Medical Center, Dallas, TX, (5)Urology, University of Texas Southwestern Medical School, Dallas, TX, (6)Children's Medical Center of Dallas*
**Poster 15**

**Nine Year Institution Increase In Pediatric Urolithiasis Volume In a Large Texas Children's Hospital**

Neel Srikishen¹, Aditya Bagrodia², Daniel Dajusta, M.D.³, Candace F. Granberg, M.D.⁴, Theodore D. Barber, MD⁵, Benjamin Brown, MD⁵, Rong Huang⁶, Nicol Corbin Bush, M.D.⁴ and Linda A. Baker, M.D.⁵, (1)Pediatric Urology, Children's Medical Center Dallas, Dallas, TX, (2)Urology, University of Texas Southwestern Medical Center, Dallas, TX, (3)Urology, Children's Medical Center and University of Texas Southwestern, Dallas, TX, (4)Pediatric Urology, Children's Medical Center, Dallas, TX, (5)Urology, University of Texas Southwestern Medical School, Dallas, TX, (6)Children's Medical Center of Dallas

12:15 PM Discussion

12:30 PM Lunch Break

2:00 PM Session 14: Kidney/Hydronephrosis

Moderators: Douglas E. Coplen, MD, FAAP, and Dominic C. Frimberger, MD

**95) 2:00 pm**

**Differences and Similarities In the Urinary Proteomes of the Hydronephrotic Kidney and Bladder In Patients Undergoing Surgery for Ureteropelvic Junction Obstruction**

Hrair-George O. Mesrobian, MD, MSc, Jessica C Oswald, Travis W. Groth, Cheryl L. Kaucic, Brian Halligan and Bassam T Wakim, Urology, Medical College and Children's Hospital of Wisconsin, Milwaukee, WI

**96) 2:06 pm**

**Pediatric Endopyelotomy; 25-Year Experience**

Douglas E. Coplen, MD, FAAP¹, Erica J. Traxel, M.D.¹, Eric Kim², Paul F. Austin, MD, FAAP¹ and R. Sherburne Figenshau, MD², (1)Pediatric Urology, Washington University School of Medicine, Saint Louis, MO, (2)Division of Urology, Washington University, St. Louis, MO

**97) 2:12 pm**

**Prospective Evaluation of Urinary Neutrophil Gelatinase-Associated Lipocalin (NGAL) In Children with Uretero-Pelvic Junction Obstruction**

W. Robert DeFoor Jr., MD, MPH, FAAP¹, Michael Bennett², Alice Payton, MD¹, Vesna Ivancic, MD¹, Paul H. Noh, MD¹, Pramod Reddy¹, Eugene Minevich, MD¹, Garrett Korrect, MD¹ and Prasad Devarajan, MD², (1)Division of Pediatric Urology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, (2)Pediatric Nephrology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH

**98) 2:18 pm**

**Predicting Factors for Complete Resolution of Uretero-Pelvic Junction Obstruction-Like Hydronephrosis: Results From 1,568 Children**

Bulent Onal, MD, Vitor C. Zanetta, Alan B. Retik, MD, Bartley Cilento, MD and Hiem T. Nguyen, MD, Department of Urology, Children's Hospital Boston, Boston, MA

**Poster 16**

**99) 2:22 pm**

**Fever As a Marker of Pediatric Pyelonephritis: Seeking the Best Method for Diagnosis**
Sphingosine Kinase -2 Deficient Mice Exhibit Diminished Renal Inflammation/Renal Fibrosis In Response to Unilateral Ureteral Obstruction

Poster 60

Shobha Thangada, Center for Vascular Biology, Connecticut Children’s Medical Center/University of Connecticut, Hartford, CT, Tim Hla, Ph.D, Center for Vascular Biology, Weill Cornell Medical Center, New York, NY, Harold Yamase, M.D., Department of Pathology, University of Connecticut, Farmington, CT and Fernando A. Ferrer Jr., MD, Division of Urology/Center for Vascular Biology, Connecticut Children’s Medical Center/University of Connecticut, Hartford, CT

2:32 PM Discussion

2:45 PM Panel: Point/Counter Point – Neurogenic incontinence: Is a Sling Enough?
Moderator: Douglas A. Husmann, MD, FAAP
Point: Warren T. Snodgrass, MD, FAAP
Counterpoint: Bradley P. Kropp, MD, FAAP

3:30 PM Session 15: Miscellaneous
Moderators: David H. Ewalt MD, FAAP, and Richard W. Sutherland, MD, FAAP

101) 3:30 pm Is It Necessary to Screen for Psychosocial Difficulties In Pediatric Urology Patients?
Cortney Wolfe-Christensen, PhD1, Amy L. Veenstra, M.A.2, Larisa Kovacevic, MD, FAAPP, Jack S. Elder, MD, FAAP2 and Yegappan Lakshmanan, MD, FAAP1,
(1)Department of Pediatric Urology, Children’s Hospital of Michigan, Detroit, MI, (2)Pediatrics, Children’s Hospital of Michigan, Detroit, MI

102) 3:36 pm Contributing Factors for Cancellations of Outpatient Pediatric Urology Procedures: Single-Center Experience
Garrett D. Pohlman, M.D.1, Susan Staulcup, M.P.H.2, Ryan M. Masterson, B.A.3 and Vijaya M. Vemulakonda, M.D., J.D.3, (1)Division of Urology, University of Colorado Denver, Aurora, CO, (2)Childrens Outcomes Research Program, University of Colorado Denver, Aurora, CO, (3)Department of Pediatric Urology, The Children’s Hospital, Aurora, CO

103) 3:42 pm Under-Reporting of Confidence Intervals and Over-Reporting of p-Values In the Pediatric Urology Literature
Israel P. Nosnik, M.D.1, Jeremy B. Wiygul, M.D.1, Martin L. Lesser, PhD2 and Lane S. Palmer, MD, FAAP1,
(1)Cohen Children’s Medical Center, Division of Pediatric Urology, North Shore-LIJ Health System, New York, NY, (2)Biostatistics Unit- Feinstein Institute for Medical Research, Hofstra North Shore LIJ School Of Medicine, Manhasset, NY

104) 3:48 pm Alternative Approaches to Expanding Pediatric Urology Services and Productivity
Stephen Canon, MD, FAAP1, Jody Purifoy, APN1, Kyle Basham1 and Christopher Swearingen, PhD2, (1)Urology, University of Arkansas for Medical Sciences, Little Rock,
AR, (2) Pediatrics--Biostatistics, University of Arkansas for Medical Sciences. Arkansas Children’s Hospital, Little Rock, AR

105) 3:54 pm  
**Published Surgical Success Rates In Pediatric Urology: Fact or Fiction?**  
Michaela M. Prasad, M.D., Division of Urology, Children’s Memorial Hospital, Chicago, IL, Andrew Marks, MD, Urology, Children's Memorial Hospital, Chicago, IL, Evalyn Vasquez, MD-MBA, Urology, Loyola University Medical Center, Maywood, IL and Earl Y. Cheng, M.D., Urology, Children's Memorial Hospital, Chicago, IL

3:58 PM  
**Discussion**

4:10 PM  
**Session 16: Resident and Fellow Education**  
Moderators: Byron D. Joyner, MD, FAAP, and Lane S. Palmer, MD, FAAP

106) 4:10 pm  
**A Multi-Institutional Assessment of Resident Training In Neonatal Circumcision: Is More Training Necessary?**  
Ruslan Korets, MD\(^1\), Shannon N. Nees, BS\(^1\), Angela M. Smith, MD\(^2\), Richard W. Sutherland, MD\(^2\), Max Maizels, MD\(^2\), Kenneth I. Glassberg, MD, FAAP\(^1\) and Grace Hyun, MD\(^1\), (1)Division of Pediatric Urology, Department of Urology, Columbia University College of Physicians and Surgeons, Morgan Stanley Children's Hospital of New York - Presbyterian, New York, NY, (2)Division of Urologic Surgery, Department of Urology, UNC School of Medicine, Chapel Hill, NC, (3)Urology, Children's Memorial Hospital, Chicago, IL

107) 4:16 pm  
**Pediatric Urology Fellowship Training: Are We Teaching What They Need to Learn?**  
Ming-Hsien Wang, MD\(^1\), Belinda Chen, MD\(^2\), David Kern, MD, MPH\(^2\) and Susan Gearhart, MD\(^3\), (1)Urology/Division of Pediatric Urology, Johns Hopkins School of Medicine, Baltimore, MD, (2)Department of Medicine/Division of General Internal Medicine, Johns Hopkins School of Medicine, Baltimore, MD, (3)Department of Surgery/Division of Colorectal Surgery, Johns Hopkins School of Medicine, Baltimore, MD

108) 4:22 pm  
**A Novel Method to Teach Residents to Perform Surgery – Combining e-Learning, Computerized Enhanced Visual Learning (CEVL) with Simulation to Certify Mastery of Training – A Model Using Newborn Clamp Circumcision As a Simulation**  
Angela Smith\(^1\), Richard W. Sutherland, MD\(^1\), Michael Steiner, Assistant Professor, MD\(^2\), John Wiener, MD\(^3\), Ruslan Korets, MD\(^4\), Dennis B. Liu, MD\(^5\) and Max Maizels, MD\(^6\), (1)Division of Urologic Surgery, Department of Urology, UNC School of Medicine, Chapel Hill, NC, (2)Pediatrics, UNC School of Medicine, Chapel Hill, NC, (3)Division of Urologic Surgery, Duke University Medical Center, Durham, NC, (4)Division of Pediatric Urology, Department of Urology, Columbia University College of Physicians and Surgeons, Morgan Stanley Children’s Hospital of New York - Presbyterian, New York, NY, (5)Surgery/Urology, University of Chicago, Chicago, IL, (6)Urology, Children’s Memorial Hospital, Chicago, IL
CEVL Method of E-Learning Is a Useful Tool for Preparing Pediatric Urology Fellows for the Surgical Management of Bladder Exstrophy

Poster 18

Andrew Marks, MD, FRCSC, Max Maiels, MD, FAAP, Michaela Prasad, MD, Rachel Stork Stoltz, MS and Earl Y. Cheng, MD, FAAP, Urology, Children's Memorial Hospital, Chicago, IL

4:32 PM Discussion

4:40 PM Adjourn

POSTERS

All posters (moderated and unmoderated) will be on display Saturday (8:00 am) – Monday (2:00 pm) in poster room adjacent to lecture hall. We ask that authors be present at their posters for Q&A during the official “poster viewing/breaks times” as follows:
Saturday: 9:48 - 10:05 am, and 2:30 - 2:45 pm
Sunday: 9:35 - 9:55 am, and 3:10 - 3:30 pm
Monday: 10:05 - 10:25 am

Unmoderated Posters: Clinical Research

Poster 19 Investigating the Role of Varying Parental Factors In Delayed Toilet Training: A Study On An Increasing Public Health Issue

Matthew Elliot Sterling, MSIV, Urology, UMDNJ-Robert Wood Johnson Medical School, New Brunswick, NJ, Dona Schneider, Ph.D., Bloustein School of Planning and Public Policy, Rutgers University, New Brunswick, NJ and Joseph Barone, M.D., F.A.A.P., Urology, Robert Wood Johnson Medical School, New Brunswick, NJ

Poster 20 The Delayed Vaginoplasty for Disorders of Sexual Differentiation: Is There a Right Time?

Katie H. Willihnganz-Lawson, MD, Sumit Isharwal, MD, Jane M. Lewis, MD, Kyriakie Sarafoglou, MD, Anne Boisclair-Fahey, CNP, DNP and Aseem R. Shukla, MD, F.A.A.P., Center for Congenital Adrenal Hyperplasia and Disorders of Sexual Differentiation, University of Minnesota Amplatz Children's Hospital, Minneapolis, MN

Poster 21 Renal Trauma In Children: Mechanism of Injury and Outcome At a Rural Level I Trauma Center. Implications In Counselling Parents with Solitary Kidneys

Elizabeth B. Johnson, MD, Levi A. Deters, Daniel Herz, MD, FAAP, Leslie McQuiston, MD, FAAP and Paul A. Merguerian, MD, FAAP, (1)Surgery/Urology, Dartmouth-Hitchcock Medical Center, Lebanon, NH, (2)Department of Surgery, Section of Pediatric Surgery, Dartmouth-Hitchcock, Medical Center, Lebanon, NH

Poster 22 Enuresis Associated with Sleep-Disordered Breathing In Children with Sickle Cell Anemia

Gloria C. Lehmann, MPH, Teal R. Bell, MPH, James S. Kemp, MD, Fenella J. Kirkham, MD, Johanna C. Gavlak, BSc, Tekeda F. Ferguson, PhD, MPH, Robert C. Strunk, MD, Paul F. Austin, MD, FAAP, Carol L. Rosen, MD, Melanie J. Marshall, BSc, Olu Wilkey, FRCPCH, Mark J. Rodeghier, PhD, John O. Warner, MD, FMedSci
and Michael R. DeBaun, MD, MPH, (1)Saint Louis University School of Public Health, Saint Louis, MO, (2)Pediatrics, Washington University School of Medicine, Saint Louis, MO, (3)ICH-Neurosciences Unit, UCL Institute of Child Health, London, United Kingdom, (4)Pediatric Urology, Washington University School of Medicine, Saint Louis, MO, (5)Department of Pediatrics, Division of Pulmonology, Rainbow Babies and Childrens' Hospital, University Hospitals of Cleveland, Cleveland, OH, (6)Paediatric Haematology and Oncology, North Middlesex University Hospital, (7) Chicago, IL, (8)Biomedical Centre, Imperial College and Imperial College Healthcare NHS Trust, London, United Kingdom, (9)Pediatrics, Vanderbilt University School of Medicine and Monroe Carell Jr. Children's Hospital, Nashville, TN

Poster 23

The Application of a Comprehensive Voiding Improvement Program and Biofeedback Therapy On Patients with Bladder Exstrophy After Undesirable Bladder Neck Reconstruction Outcome

Nima Baradaran, MD¹, Marlo A. Eldridge, CPNP¹, Arlene C. Gerson, PhD², Raimondo M. Cervellione, MD¹, Ming-Hsien Wang, MD¹ and John P. Gearhart, MD, FAAP¹, (1)Brady Urological Institute, Johns Hopkins University School of Medicine, Baltimore, MD, (2)Pediatrics, Johns Hopkins University School of Medicine, Baltimore, MD

Poster 24

Should Routine VCUG Screening of All Boys with A First UTI Still Be the Standard of Care?

Chandra Singh Jeyachandra Berry, M.D., Brian A. VanderBrink, MD, Stephen A. Koff, Seth A. Alpert, MD and Venkata R. Jayanthi, MD, Pediatric Urology, Nationwide Children’s Hospital, Columbus, OH

Poster 25

Adults with Pediatric-Onset Spinal Cord Injuries: Associations with Urinary Tract Infection

Michaella M. Prasad, M.D.¹, Kathy Zebracki, Ph.D.², Antonio H. Chaviano, M.D.³ and Lawrence C. Vogel, M.D.², (1)Division of Urology, Children's Memorial Hospital, Chicago, IL, (2)Shriners Hospital for Children - Chicago, Chicago, IL

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The Effect of A Failed Initial Closure On Bladder Growth In Children with Bladder Exstrophy

Nima Baradaran, MD, Raimondo M. Cervellione, MD, Ryan Orosco, MD, Bruce J. Trock, Ph.D., Ranjiv I. Mathews, MD and John P. Gearhart, MD, FAAP, Brady Urological Institute, Johns Hopkins University School of Medicine, Baltimore, MD

Poster 27

Is Pelvic Plexus Nerve Identification Possible During Robotic Assisted Laparoscopic Ureteral Reimplantation (RALUR)?

Aria A. Razmaria¹, Leo Towle², David Frim³ and Mohan S. Gundeti¹, (1)Section of Urology, The University of Chicago Medical Center, Chicago, IL, (2)Department of Neurology, The University of Chicago Medical Center, Chicago, IL, (3)Section of Neurosurgery, The University of Chicago Medical Center, Chicago, IL
| Poster 28 | **Post-Operative Ultrasound Findings In Children Undergoing Robotic Versus Open Pyeloplasty: A Case-Matched Analysis**  
João B. Barbosa, Bulent Onal, MD1, Jeanne S. Chow, MD2, Alan B. Retik, MD1 and Hiep T. Nguyen, MD1, (1)Department of Urology, Children's Hospital Boston, Boston, MA, (2)Department of Radiology, Children's Hospital Boston, Boston, MA |
| Poster 29 | **Characterization of Dysfunctional Elimination Syndrome In a Cohort of Children with Vesicoureteral Reflux**  
Kristina D. Suson, MD and Ranjiv Mathews, MD, Brady Urological Institute, Johns Hopkins University School of Medicine, Baltimore, MD |
| Poster 30 | **Management of Dysfunctional Elimination In Children with Vesicoureteral Reflux**  
Kristina D. Suson, MD and Ranjiv Mathews, MD, Brady Urological Institute, Johns Hopkins University School of Medicine, Baltimore, MD |
| Poster 31 | **Ureteroscopy Vs Shock Wave Lithotripsy to Treat Renal Calculi—a Comparison of Hospital Practice Patterns and Additional Associated Hospital Encounters**  
Anne E. Scott, MD, John C. Thomas, MD, John C. Pope IV, MD, Mark C. Adams, MD, John W. Brock III, MD and Stacy T. Tanaka, MD, Division of Pediatric Urology, Monroe Carell Jr. Children's Hospital at Vanderbilt, Nashville, TN |
| Poster 32 | **Hypospadias Management: "Standard of Care" - 2011**  
Lane S. Palmer, MD, FAAP, Pediatric Urology, Cohen Children's Medical Center of NY, Long Island, NY |
| Poster 33 | **Parental Attitudes and Socioeconomic Issues Regarding the Use of Personal Health Records (PHRs) Assessed In a Pediatric Urology Practice**  
Erin Akar, BS, MA, Drexel University College of Medicine, Philadelphia, PA and Thomas S. Vates III, MD, FACS, FAAP, Urology, The Children's Hospital Monmouth Medical Center, Long Branch, NJ |
| Poster 34 | **Initial Results for Combined Orchiectomy and Prosthetic Exchange (COPE) for Unsalvageable Testicular Torsion In Adolescents**  
Aditya Bagrodia, Urology, University of Texas Southwestern Medical Center, Dallas, TX and Nicol Bush, M.D., Urology, Children's Medical Center and University of Texas Southwestern, Dallas, TX |
| Poster 35 | **Alteration of Bacterial Species In Routine Urine Cultures In Patients with Spina Bifida**  
Hiroko Suzuki, Yoshiyuki Shiroyanagi, Woojin Kim and Yuichiro Yamazaki, Urology, Kanagawa Children's Medical Center, Yokohama, Japan |
| Poster 36 | **Heavily Scarred Refluxing Renal Units Have Significantly Different Pathologic Features At the Distal End of the Related Ureter Compared to the Ureters of Less Scarred Renal Units** |
Poster 37  
To Evaluate Histopathological Features of Uncorrected Undescended Testis Presenting At the Late Postpubertal Age  
Artan Koni¹, Havva Solak Ozseker¹, Emre Arpali², Aytekin Akyol¹ and Serdar Tekgul Sr., Prof., dr.¹. (1)Department of Urology, Hacettepe University, School of medicine, Ankara, Turkey, (2)Department of Urology, Mevki Military Hospital, Ankara, Turkey

Poster 38  
The Use of Tissue Expanders for Resurfacing of the Penis for Hypospadias Cripples  
Tansar N. Mir, MD¹, Roger L. Simpson, MD¹ and Moneer K. Hanna, M.D., F.A.A.P.², (1)Plastic Surgery, Long Island Plastic Surgical Group, PC, Garden City, NY, (2)Pediatric Urology, New York Weill Cornell Medical Center, New York, NY

Poster 39  
Coexistence of Mullerian Anomalies In Patients with VACTERL Association  
Candace F. Granberg, M.D., Daniel Dajusta, M.D., Aditya Bagrodia, M.D. and Linda A. Baker, M.D., Pediatric Urology, Children's Medical Center, Dallas, TX

Poster 40  
Autologous Buccal Mucosa Graft for the Vaginoplasty Cripple  
Candace F. Granberg, M.D.¹, Daniel Dajusta, M.D.², Nicol Corbin Bush, M.D.¹, Juan Prieto, MD² and Linda A. Baker, M.D.², (1)Pediatric Urology, Children's Medical Center, Dallas, TX, (2)Urology, Children's Medical Center and University of Texas Southwestern, Dallas, TX, (3)Surgery, Driscoll Children's Hospital

Poster 41  
Correlation of End Pressure Measured by a Simple Ruler Manometry and by Cystometrogram  
Shawn Beck, Guy Hidas, Hak J Lee, Allison Ashby and Antoine E Khoury, Urology, University of California Irvine, Children's Hospital of Orange, Orange California, USA, Orange, CA

Poster 42  
Evaluating Compensatory Hypertrophy: A Growth Curve Specific for Solitary Functioning Kidneys  
Aaron Krill, MD, Soroush Rais-Bahrami, MD, Jordan Gitlin, MD, FAAP and Lane S. Palmer, MD, FAAP, Pediatric Urology, Cohen Children's Medical Center of NY, Lake Success, NY

Poster 43  
The Impact of Cleaning On Contamination Rates In Two Midstream Urine Collections In Children. A Study Including 1303 0-15 Year Old Children Suspected of Urinary Tract Infection with Proved Bacteria In At Least One Sample  
Dina Cortes¹, Rebekka Lytzen¹ and Jenny Dahl Knudsen², (1)Pediatric Department, Hvidovre Hospital, University of Copenhagen, Copenhagen, Denmark, (2)Microbiology, Hvidovre Hospital, University of Copenhagen, CPH

Poster 44  
Initial Imaging In Children with Febrile Urinary Tract Infection: A Decision Analysis
Incidence and Natural History of Retrograde Venous Flow Post-Varicocelectomy In Children and Adolescents: Does It Hinder Catch-up Growth?
Jason P. Van Batavia, M.D., Shannon N. Nees, Miguel A. Mercado, MD and Kenneth I. Glassberg, MD, FAAP, Division of Pediatric Urology, Department of Urology, Columbia University College of Physicians and Surgeons, Morgan Stanley Children's Hospital of New York - Presbyterian, New York, NY

Dimercapto-Succinic Acid (DMSA) Renography In Patients with Reflux and/or Febrile Urinary Tract Infections: Results Analyzed by Renal Unit
Nicol Bush, M.D., Urology, Children's Medical Center and University of Texas Southwestern, Dallas, TX, Anjana Shah, FNP, Pediatric Urology, Children's Medical Center Dallas, Dallas, TX, Mary Yang, M.D., Radiology, Childrens Medical Center and University of Texas Southwestern Medical Center, Jeannie Kwon, Radiology, Children's Medical Center and University of Texas Southwestern, Dallas, TX, Paul Nakonezny, PhD, Clinical Sciences, UT Southwestern, Dallas, TX and Warren T. Snodgrass, M.D., Pediatric Urology, Children's Medical Center, Dallas, TX

Bladder Function In Children with Mitochondrial Disorders: Clinical and Urodynamic Findings
Alison Keenan, MD, Rosalia Misseri, MD, Shelly King, CNP, Mark Cain, MD, Martin Kaefer, MD, Kirstan Meldrum, MD and Richard Rink, MD, Urology, Indiana University School of Medicine, Indianapolis, IN

Difference In Parental and Patient Evaluation for Pediatric Lower Urinary Tract Symptom: Trial with Two Japanese Translation of Dysfunctional Voiding Symptom Score (DVSS)
Masaaki Imamura¹, Akihiro Kanematsu¹, Koji Yoshimura¹, Kazuyoshi Johnin² and Osamu Ogawa², (1)Department of Urology, Kyoto University Graduate School of Medicine, Kyoto, Japan, (2)Department of Urology, Shiga University of Medical Science, Otsu, Japan

Unmoderated Posters: Basic Science

Up-Regulation of Transforming Growth Factor-Beta and the Counter-Regulatory Effects of Hepatocyte Growth Factor In Fetal Sheep Bladder Outlet Obstruction
Nora G. Lee, MD, Urology, Boston University Medical Center, Boston, MA, Hao Fan, PhD, Pathology, University of Virginia, Charlottesville, VA and Craig A. Peters, MD, FAAP, Urology, Children's National Medical Center, Washington, DC

**Poster 62**

**Evaluation of Induced Pluripotent Stem Cells for Bladder Tissue Engineering Strategies**

Joshua R. Mauney, Urology, Children's Hospital Boston & Harvard Medical School, Boston, MA and Carlos R. Estrada, MD, Urology, Children's Hospital Boston, Boston, MA

**Poster 63**

**Evaluation of Gel Spun Silk Matrices Seeded with Embryonic Stem Cells for Bladder Tissue Engineering**

Joshua R. Mauney, Ph.D.¹, Pablo Gomez III, M.D.², Eun Seok Gil, Ph.D.³, Michael L. Lovett, Ph.D.³, David L. Kaplan, Ph.D.³ and Carlos R. Estrada, MD⁴, (1)Urology, Children's Hospital Boston & Harvard Medical School, Boston, MA, (2)Urology, Children's Hospital Boston, Harvard Medical School, Boston, MA, (3)Biomedical Engineering, Tufts University, Medford, MA, (4)Urology, Children's Hospital Boston, Boston, MA

**Poster 64**

**A Comprehensive Evaluation of Voiding Dysfunction In Two Distinct Models of Spinal Cord Injury In Rodents**

Abhishek Seth, M.D.¹, Pablo Gomez, M.D.¹, Aruna Ramachandran, Ph.D.¹, Scott Wang, M.D.¹, Vivian Cristofaro, Ph.D.², Maryrose Sullivan, Ph.D.² and Rosalyn Adam, Ph.D.¹, (1)Department of Urology, Children's Hospital Boston, Harvard Medical School, Boston, MA, (2)Department of Surgery, Harvard Medical School, West Roxbury, MA

**Poster 65**

**FGF10 / FGFr2b Signaling In Quiescent Murine Urothelial Maintenance**

Koh-ichi Kuremoto, Jonathan Yamzon, In-Seon Choi, Kyung-Hwa Lee and Chester J. Koh, MD, Pediatric Urology, CHLA / USC, Los Angeles, CA

**Poster 66**

**Low-Level Laser Therapy (LLLT) Stimulates Enhanced Wound Healing in an Acute Bladder Injury Model**

Kyung-Hwa Lee, PhD¹, Seong-Ku Kim, PhD², In-Seon Choi, PhD¹, Lui Wei, PhD², Harold Fetterman, PhD² and Chester J. Koh, MD⁴, (1)Pediatric Urology, CHLA / USC, Los Angeles, CA, (2)Electrical Engineering, UCLA, Los Angeles, CA

**Poster 67**

**Creation of Urinary Incontinence Related to Intrinsic Sphincter Deficiency In a Non-Human Primate Model to Test Cell Therapies for Regeneration of Urinary Sphincter In Congenital Anomalies**

Sherif Badra, Regenerative Medicine, Wake Forest Institute, Winston Salem, NC, Manish Patel, Urology, Wake Forest University Baptist Medical Center, Winston Salem, NC, Gordon McIorie, Urology, Wake Forest University Baptist Medical Center, Winston-Salem, NC, Sherif Mourad, Urology, Ain Shams University Faculty of Medicine, Cairo,
Whole Exome Sequencing Identifies Novel Alleles for Renal Hypoplasia
Simone Sanna-Cherchi, MD¹, Shannon N. Nees¹, Katelyn E. Burgess¹, Murin Choi, PhD², Gian Marco Ghiggeri, MD³, Velibor Tasic, MD⁴, Richard P. Lifton, MD² and Ali G. Gharavi, MD¹, (1)Division of Nephrology, Department of Medicine, Columbia University College of Physicians and Surgeons, New York, NY, (2)Department of Genetics, Howard Hughes Medical Institute, Yale University School of Medicine, New Haven, CT, (3)Laboratory on Pathophysiology, Uremia Istituto Giannina Gaslini, Genova, Italy, (4)Department of Pediatric Nephrology, University Children’s Hospital, Skopje, Macedonia

Bel-2 Inhibits Apoptosis In the Migrating Gubernaculum In Response to Androgens
George N. Harisis¹, Nan Chen¹, Pamela J. Farmer², Daniela Bodemer², Ruili Li², Magdy Souria² and John M. Hutson³, (1)Department of Paediatrics, University of Melbourne, Melbourne, Australia, (2)Surgical Research, Murdoch Childrens Research Institute, Melbourne, Australia, (3)Department of General Surgery, Royal Children's Hospital, Melbourne, Australia, Australia

Stem Cell Recruitment for In Situ Tissue Regeneration for Urologic Applications
In Kap Ko, PhD¹, Tamer Aboushwareb, MS, MD, PhD², Timothy Chen, PhD¹, Young Min Ju¹, James Yoo¹, Sang Jin Lee¹ and Anthony Atala¹, (1)Regenerative medicine, Wake Forest University, Winston Salem, NC, (2)Urology and Regenerative medicine, Wake Forest University, Winston Salem, NC

Protective Effect of Human Amniotic Fluid Stem Cells In Acute Tubular Necrosis
Laura Perin¹, Sargis Sedrakyan¹, Stefano Da Sacco¹, Shiri Liron¹, Kevin Lemley², David Warburton³ and Roger E. De Filippo¹, (1)Urology, Childrens Hospital Los Angeles, USC Keck School of Medicine, Los Angeles, CA, (2)Nephrology, Childrens Hospital Los Angeles, USC Keck School of Medicine, Los Angeles, CA, (3)Pediatric Surgery, Childrens Hospital Los Angeles, USC Keck School of Medicine, Los Angeles, CA

Amniotic Fluid Stem Cells and Chronic Kidney Disease
Sargis Sedrakyan¹, Stefano Da Sacco¹, Liron Shiri¹, Astgik Petrosyan¹, Kevin Lemley, MD/PhD², David Warburton¹, Roger E. De Filippo¹, and Laura Perin¹, (1)Urology, Children’s Hospital Los Angeles, USC Keck School of Medicine, Los Angeles, CA, (2)Nephrology, Children’s Hospital Los Angeles, Los Angeles, CA, (3)Pediatric Surgery, CHLA / USC, Los Angeles, CA

Chemokine Upregulation In Response to Murine Partial Bladder Outlet Obstruction: Microarray Analysis
Beth A. Drzewiecki, MD¹, Govindaraj Anumanthan, PhD¹, John C. Thomas, MD¹, Mark C. Adams, MD¹, Simon W. Hayward, PhD², Robert J. Matusik, PhD², John W. Brock III,
MD\textsuperscript{1}, John C. Pope IV, MD\textsuperscript{1} and Stacy T. Tanaka, MD\textsuperscript{1}, (1)Division of Pediatric Urology, Monroe Carell Jr. Children's Hospital at Vanderbilt, Nashville, TN, (2)Department of Urologic Surgery, Vanderbilt University Medical Center, Nashville, TN

**Poster 74**

**Diagnosing Active Pyelonephritis In a Swine Model Using near Infrared Fluorescent Imaging**

*Courtney K. Rowe, MD\textsuperscript{1}, Bulent Onal, MD\textsuperscript{1}, João B. Barbosa\textsuperscript{1}, Alexander McAdam, MD\textsuperscript{2}, S. Ted Treves, MD\textsuperscript{3}, Bartley Cilento, MD\textsuperscript{1} and Hiep T. Nguyen, MD\textsuperscript{1}, (1)Department of Urology, Children's Hospital Boston, Boston, MA, (2)Department of Microbiology, Children's Hospital Boston, Boston, MA, (3)Division of Nuclear Medicine, Children's Hospital Boston, Boston, MA*

**Poster 75**

**Attenuation of Bladder Fibrosis by Hepatocyte Growth Factor Via Extra Cellular Matrix Alteration**

*Govindaraj Anumanthan, PhD\textsuperscript{1}, Beth A. Drzewiecki, MD\textsuperscript{1}, Stacy T. Tanaka, MD\textsuperscript{1}, John C. Thomas, MD\textsuperscript{1}, Mark C. Adams, MD\textsuperscript{1}, Simon W. Hayward, PhD\textsuperscript{2}, Robert J. Matusik, PhD\textsuperscript{2}, John W. Brock III, MD\textsuperscript{1} and John C. Pope IV, MD\textsuperscript{1}, (1)Division of Pediatric Urology, Monroe Carell Jr. Children's Hospital at Vanderbilt, Nashville, TN, (2)Urologic Surgery, Vanderbilt University Medical Center, Nashville, TN*

**Poster 76**

**Enhanced Expression of Activated Transforming Growth Factor β Receptor 1 Signaling Regulates Bladder Fibrosis**

*Govindaraj Anumanthan, PhD\textsuperscript{1}, Beth A. Drzewiecki, MD\textsuperscript{1}, Douglas B. Clayton, MD\textsuperscript{1}, Stacy T. Tanaka, MD\textsuperscript{1}, John C. Thomas, MD\textsuperscript{1}, Mark C. Adams, MD\textsuperscript{1}, Simon W. Hayward, PhD\textsuperscript{2}, Robert J. Matusik, PhD\textsuperscript{2}, John W. Brock III, MD\textsuperscript{1} and John C. Pope IV, MD\textsuperscript{1}, (1)Division of Pediatric Urology, Monroe Carell Jr. Children's Hospital at Vanderbilt, Nashville, TN, (2)Urologic Surgery, Vanderbilt University Medical Center, Nashville, TN*

**Poster 77**

**Comparison of the Learning Curves and Frustration Level In Acquiring Laparoscopic and Robotic Surgical Skills**

*Caio M. Oliveira, Felipe Franco, Julio C. C. Bissoli, MD, Courtney K. Rowe, MD, Alan B. Retik, MD and Hiep T. Nguyen, MD, Department of Urology, Children's Hospital Boston, Boston, MA*

**Poster 78**

**Prevention and Disruption of Bacterial Biofilms by Aqueous Silver**

*Justine M. Schober\textsuperscript{1}, Gregory Delost\textsuperscript{2} and Troy Skwor, PhD\textsuperscript{2}, (1)Pediatric Urology, Hamot Medical Center, Erie, PA, Erie, PA, (2)Gannon University, Erie, PA*

**Poster 79**

**JunB, An AP-1 Transcription Factor, Is a Novel Modulator of Contractility In Human Bladder Smooth Muscle**

*Aruna Ramachandran, Sandeep Ranpura, PhD, Edward Gong, MD, Michelle Mulone, BA and Rosalyn Adam, PhD, Department of Urology, Children's Hospital Boston, Harvard Medical School, Boston, MA*
Poster 80  
**Characterization of Exstrophy Bladder Smooth Muscle Cells In Culture: A Preliminary Report**  
*Kristina D. Suson, MD*¹, *Andrew A. Stec, MD*¹, *Larissa A. Shimoda, PhD*² and *John P. Gearhart, MD, FAAP*¹, (1)Brady Urological Institute, Johns Hopkins University School of Medicine, Baltimore, MD, (2)Department of Medicine, Johns Hopkins University School of Medicine, Baltimore, MD

Poster 81  
**Transforming Growth Factor Beta 1 Mediates Migration In Cultured Human Control and Exstrophy Bladder Smooth Muscle Cells**  
*Kristina D. Suson, MD*¹, *Andrew A. Stec, MD*¹, *John P. Gearhart, MD, FAAP*¹ and *Larissa A. Shimoda, PhD*², (1)Brady Urological Institute, Johns Hopkins University School of Medicine, Baltimore, MD, (2)Department of Medicine, Johns Hopkins University School of Medicine, Baltimore, MD

Poster 82  
**Transforming Growth Factor-Beta (TGF-Beta) Triggers Epithelial to Mesenchymal Trans-Differentiation (EMT) In Porcine Bladder Urothelial Cell Culture**  
*Yaser El-Hout*¹, *Syed Islam¹, Sara Arab², Joe Maalouf² and Walid A. Farhat¹, (1)Urology, The Hospital for Sick Children, Toronto, ON, Canada, (2)University of Toronto, Toronto, ON, Canada