**Pediatric Urology Fall Congress**

**Sponsored by the Society of Pediatric Urology**

***October 24-26, 2014***

***Lowes Miami Beach***

***Miami, Florida***

**Accreditation**

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**Friday, October 24, 2014**

**8:00am-6:00pm Registration**

1:00pm Welcome and Introduction

Paul Austin, MD

Scientific Program Chair

1:15pm **Scientific Session 1- Perinatal Urology 1**

Christopher Cooper, MD

Armando Lorenzo, MD

1:15pm 1. Fate of poorly functioning renal units managed by ureteral ligation: Longer follow up with reassuring clinical and sonographic assessment

**Presenter:** Paul Bowlin

1:20pm MP1. Impact of urinary tract infections during the first year of life on conservative management of primary non-refluxing megaureter, with prenatal diagnosis: a longitudinal observational study

**Presenter:** Dacia DiRenzo

1:22pm 2. Utility of whole exome sequencing in diagnosis of individuals with congenital anomalies of kidney and urinary tract

**Presenter:** Mir Reza Bekheirnia

1:27pm MP2. Teaching Society for Fetal Urology (SFU) Grading of Pediatric Hydronephrosis Is Significantly Improved by Utilizing Structured Online Learning: A Prospective Multi-Institutional and Multi-Specialty Trial

**Presenter:** Dennis Liu

1:29pm 3. Nadir creatinine in posterior urethral valves: How high is low enough?

**Presenter:** Robert Coleman

1:34pm 4. The Anti-Inflammatory Effect of Mesenchymal Stem Cells after Partial Bladder Outlet Obstruction

**Presenter:** Peter Metcalfe

1:39pm-1:50pm Q & A

1:50pm AAPU Lecture: “Update on the AAP UTI Guidelines< 2 yo”

Kenneth Roberts

2:50pm Panel Discussion: Urology and Fetal Interventions

Chair: John Brock

Panelists:

* + - * John Brock – “Results of MOMS Trial and Ongoing Studies”
      * Antonio Macedo – “Brazilian Urological Update on In-utero Myelomeningocele Repairs “
      * Ruben Quintero – “In-utero Management of Fetal Urinary Obstruction with Special Attention on a Novel Shunt”
      * Douglass Clayton – “Fetal Intervention for PUV: Narrow Windows and Missed Opportunities”

**3:35pm BREAK**

3:50pm **Scientific Session 2-Perinatal Urology 2**

Anthony Herndon

Eric Kurzrock

3:50pm 5. Vesicoureteral Reflux (VUR) Occuring at low Bladder Volume is an Independent Risk Factor for Febrile UTI

**Presenter:** Siobhan Alexander

3:55pm 6. Uroepithelial Thickening On Sonography After UTI Predicts High-Grade Vesicoureteral Reflux In Children Less Than 24 Months

**Presenter:** Zachary Gordon

4:00pm MP3. The Lower Pole Crossing Vessel in Pediatric Ureteropelvic Junction Obstruction: A Predictive Analysis

**Presenter:** Dana Weiss

4:02pm 7. Treatment of contralateral Hydrocele in neonatal testicular torsion: Is less more?

**Presenter:** Martin Kaefer

4:07pm 8. Pre-Versus Post-natal diagnosis of bladder exsorophy: a 19-year single institution experience

**Presenter:** Joseph Borer

4:12pm-4:25pm Q&A

4:25pm **Scientific Session 3- LUT Dysfunction/Enuresis**

Lane Palmer

Urbirajara Barross, Jr.

4:25pm 9. Parasomnia as pathophysiological mechanismin a subgroup of nocturnal enuresis

**Presenter:** Sebastian Schulz-Juergensen

4:30pm MP4. Association between asthma with primary nocturnal enuresis in children

**Presenter:** Victor Paschoalin

4:32pm 10. A systematic review to identify and assess parent-proxy and child self-reported questionnaires for pediatric urinary incontinence

**Presenter:** Anthony Schaeffer

4:37pm MP5. Self-Cathing Experience Journal: Enhancing the Patient and Family Experience in Clean Intermittent Catheterization (CIC)

**Presenter:** Stuart B. Bauer

4:39pm MP6. The talking toilet, a computerized biofeedback instrument for children with dysfunctional voiding

**Presenter:** Keetje de Mooij

4:41pm 11. Diagnosis of constipation does not correlate with trans-abdominal ultrasound of rectal distention

**Presenter:** Matthew D. Mason

4:46pm MP7. Daily enema regimen is superior to traditional therapies for non-neurogenic pediatric incontinence

**Presenter:** Steve J. Hodges

4:48pm 12. A Pelvic Floor Biofeedback Prototype Using Low-Cost Mobile Technology

**Presenter:** Jeremy Wiygul

4:53pm 13. Sacral Neuromodulation for Refractory Pediatric Voiding Dysfunction: Preliminary Results from a Standardized Protocol

**Presenter:** Megan Schober

4:58pm 14. Prospective Evaluation of Urodynamic Findings Associated with Success of Sacral Nerve Modulation in Children

**Presenter:** Matthew Mason

5:03pm MP8. Pilot Study of Home-Based EMG Biofeedback for Dysfunctional Voiding in Children

**Presenter:** Israel P. Nosnik

5:05pm MP9. Is pelvic floor laxity a cause for daytime urinary incontinence in young girls?

**Presenter:** Evalynn Vasquez

5:07pm MP10. A comparison of uroflows in boys following primary distal tip, proximal tip and proximal 2-stage graft repairs

**Presenter:** Gwen M. Grimsby

5:09pm-5:30pm Q&A

**5:30pm-7:00pm Welcome Reception- Exhibit Hall**

**Saturday, October 25, 2014**

**6:30am-6:00pm Registration**

7:00am-8:00am **Breakfast-Exhibit Hall**

8:00am **Scientific Session 4- Endourology & Minimally invasive Surgery**

Israel Franco

Craig Peters

8:00am 15. Robotic Versus Open Pediatric Ureteral Reimplantation - Costs and Complications from a National Sample

**Presenter:** Michael Kurtz

8:05am 16. A Comparison of Complications of Robotic Assisted Laparoscopic versus Open Appendicovesicstomy in Children

**Presenter:** Gwen Grimsby

8:10am 17. How to decide which infant can have robotic surgery? Just do the math.

**Presenter:** Julia Finkelstein

8:15am MP11. Is peri-operative urethral catheter drainage enough? The case for stentless pediatric robotic pyeloplasty

**Presenter:** Mark Silva

8:17am 18. Stone disease in obese children resembles the adult population based on a national multi-institutional cooperative assessment of 24-hour urine parameters

**Presenter:** Gina Cambareri

8:22am 19. A novel nomogram for prediction of outcome of pediatric shock-wave lithotripsy

**Presenter:** Sedar Tekgul

8:27am MP12. Pediatric calyceal diverticulum treatment: our experience with endoscopic and laparoscopic approaches

**Presenter:** Christopher Long

8:29am-8:40am Q&A

8:40am **Panel Discussion: Transitional Care**

Chair: Rosali Misseri

Panelist: Göran Läckgren; Dan Wood

9:25am **AAP Latimer Lecture**

Saul Greenfield-“ The role of antibiotic prophylaxis with VUR – Results of the RIVUR Trial”

**10:25am BREAK**

10:40am **Scientific Session 5- Clinical Prize Finalists**

Julian Wan

John Pope

10:40am 20. Does channel type and stomal location affect long-term outcomes of catheterizable continent urinary channels?

**Presenter:** Konrad Szymanski

10:46am 21. The Impact of the State of Hydration on the Degree of Hydronephrosis inChildren: Towards a Uniform Standard of Ultrasonographic Assessment

**Presenter:** Joseph Gleason

10:52am 22. Prospective Pilot Study of Mirabegron in Pediatric Patients with Overactive Bladder

**Presenter:** Anne-Sophie Blais

10:58am 23. Barriers to Use of Semen Analysis in the Adolescent Varicocele: Survey of Patient, Parental, and Practitioner Attitudes

**Presenter:** Ronnie Fine

11:04am 24. Predictive value of specific ultrasound findings for vesicoureteral reflux on voiding cystourethrogram

**Presenter:** Caleb Nelson

11:10am 25. Time to resolution of prenatal urinary tract dilation according to the severity of renal pelvis APD and SFU criteria: a prospective study

**Presenter:** Luis Braga

11:16am. 26. The double zipper theory of male anterior urethra development visualized in three dimensions by optical projection tomography

**Presenter:** Yi Li

11:22am MP13. Posterior urethral valves: metabolic consequences in a cohort of patients

**Presenter:** Osama Sarhan

11:24am-11:40am Q&A

11:40am **AAP Medal Ceremony**

Introduction: Edward Reda

Recipient: Selwyn Levitt

**12:10pm Lunch On Own**

1:20pm **Scientific Session 6- Testis & Varicocele**

Tom Kolon

Julia Barthold

1:20pm 27. Laparoscopic orchidopexy with or without preservation of cremasteric vessels: can we reduce atrophy rates?

**Presenter:** Luis Braga

1:25pm MP14. Effects on normalized testicular atrophy index (tain) in cryptorchid infants treated with GnRHa pre and post-operative VS surgery alone

**Presenter:** Claudio Spinelli

1:27pm 28. Clinical Effectiveness of Orchidometry in Boys with Varicocele

**Presenter:** Michael Kurtz

1:32pm MP15. Practice Patterns in the Surgical Approach for Adolescent Varicocelectomy

**Presenter:** Miriam Harel

1:34pm MP16. Multicenter analysis of percutaneous embolization, laparoscopic and open varicocelectomy for adolescent patients

**Presenter:** Robert Lurvey

1:36pm-1:45pm Q&A

1:45pm **SPU Lecture**

“Sex and the Animals”

Ron Magill

2:45pm **Scientific Session 7- Genital Reconstruction**

Mark Zaontz

Doug Coplen

2:45pm 29. Long-term outcomes of the Kropp and Salle urethral lengthening bladder neck reconstruction procedures

**Presenter:** Konrad Szymanski

2:50pm 30. Attainment of volitional voiding - 15 years of the Kelly operation

**Presenter:** Peter Cuckow

2:55pm 31. Female primary epispadias : Radical soft tissue mobilization (Kelly procedure) or perineal urethroplasty ?

**Presenter:** Marc-David Leclair

3:00pm MP17. Successful pregnancy in patients with Epispadias-Exstrophy Complex

**Presenter:** Geolani Dy

3:02pm MP18. Intraoperative MRI-Guided Navigation of the Pelvic Floor During Classic Bladder Exstrophy Closure - A Preliminary Report

**Presenter:** Heather Di Carlo

3:04pm 32. Can we create a neopsphincter by crossing the rectus abdominis over a catheterizable channel? An urodynamic assessment

**Presenter:** Átila Rondon

3:09pm 33. Hypospadias severity correlates directly with the use of agricultural herbicides and pesticides

**Presenter:** Martin Kaefer

3:14pm 34. Management of Proximal Hypospadias with 2-Stage Repair: 20 Year Experience

**Presenter:** Erin McNamara

3:19pm 35. Recalcitrant Urethral Strictures Following Hypospadias Repair : Presentation, Complications and Management at Time of Referral to a Transitional Urologist

**Presenter:** Douglas Husmann

3:24pm MP19. Histologic Properties of Autologous Buccal Mucosal Vaginoplasty

**Presenter:** Gwen Grimsby

3:26pm-3:45pm Q&A

**3:45pm BREAK**

4:00pm **Scientific Session 8- Basic Research Finalists**

Richard Lee

His-Yang Wy

4:00pm 36. Post-stress cyclosporine reduces social stress induced voiding dysfunction

**Presenter:** Dana Weiss

4:06pm 37. Chronic Social Defeat, But Not Restraint Stress, Alters Bladder Function in Mice

**Presenter:** Elizabeth Mann

4:12pm 38. Effect of Postnatal exposure to Bisphenol A and Diethylstilbestrol in inducing malformation of the external genitalia of male mice

**Presenter:** Sisir Botta

4:18pm 39. Antitumor activity of a novel s1p2 antagonist, ab1, in neuroblastoma

**Presenter:** Fernando Ferrer

4:24pm 40. Interferon-&#947; (IFN-&#947;) inhibition of human keratinocyte migration in vitro and pediatric-foreskin Langerhans Cell polarization of T-cells away from IFN-&#947; may influence wound healing

**Presenter:** Aviva Berkowitz

4:26pm 41. Developmental Context has a Significant Impact on Disease Progression in the Obstructed Kidney and Potential Treatment Strategies

**Presenter:** Julio Geminiani

4:30pm-4:45pm Q&A

4:45pm **Panel Discussion: Neurogenic Bladder**

Chair: Elizabeth Yerkes

Panelist: David Joseph; John Weiner

5:45pm **AAP Annual Business Meeting-AAP Members Only**

**6:00pm-7:30pm Gala Reception- Exhibit Hall**

**Sunday, October 26, 2014**

7:00am Breakfast

8:00am **Scientific Session 9-Neurogenic Bladder & Transitional Care**

Stuart Bauer

Mark Cain

8:00am 42. Renal function may continue to deteriorate with long-term follow-up after gastrocystoplasty

**Presenter:** Tim Large

8:05am MP20. Urologic follow-up in adult spina bifida patients

**Presenter:** Jon Duplisea

8:07am 43. Kidney Transplants and Neuropathic Bladder: Latest news from the last 20 years

**Presenter:** Abigail Jones

8:12am MP21. Chronic Kidney Disease Stage Progression in patients undergoing repair of persistent cloaca

**Presenter:** William DeFoor

8:14am 44. Upper Extremity Tendon Transfer with Secondary Mitrofanoff and Malone Procedure: A Pathway to Independence in the High Spinal Cord Injured Patient

**Presenter:** Gregory Dean

8:19am MP22. 30-Day Morbidity After Augmentation Enterocystoplasty and Appendicovesicostomy: A NSQIPP Analysis

**Presenter:** Erin McNamara

8:21am MP23. Anti-Inflammatory Self Assembling Nanomolecules Enhance Bladder Regeneration

**Presenter:** Edward Diaz

8:23am-8:32am Q&A

8:32am **Prize Presentation: Best Clinical and Basic Science Research Papers**

8:37am **Scientific Session 10- Tumors, Transplantation & Stones**

Eugene Minevich

Fernando Ferrer

8:37am 45. Presentation and Outcomes of Renal Cell Carcinoma (RCC) in Children, Adolescents and Young Adults: a National Cancer Database Study

**Presenter:** Ardavan Akhavan

8:42am 46. Pathologic Risk Factors In Pediatric And Adolescent Patients With Stage I Testicular Stromal Tumors

**Presenter:** Kyle Rove

8:47am MP24. Evaluation of urinary tract stone chemical composition in vivo using dual-energy computerized tomography (CT)

**Presenter:** Dmitry Shakhnovskiy

8:49am MP25. Spontaneous Pyelonephritis and Struvite Urolithiasis in the Megabladder Mouse Model

**Presenter:** Ahmad Mohamed

8:51am 47. Prospective Evaluation of Urinary Metabolic Indices in Severely Obese Adolescents after Weight Loss Surgery

**Presenter:** William DeFoor

8:56am MP26. Cystinuric Renal Stones Linked to Fibrosis: Proteomics Based Evidence

**Presenter:** Larisa Kovacevic

8:58am 48. A National Multi-Institutional Cooperative on Urolithiasis in Children: Age is a significant predictor of urine abnormalities

**Presenter:** Gina Cambareri

9:03am- 9:15am Q&A

9:15am **Panel Discussion: TBD**

Chair: Amy Wisniewski

Panelists:

* + - * Dix Poppas – “Building a comprehensive care center for CAH”
      * Earl Cheng – “Pros and cons of offering a DSD clinic in conjunction with a gender dysphoria clinic”
      * Larry Baskin – “Endocrine disrupting chemicals and hypospadias”
      * Pramod Reddy- “Feasibility of fetal interventions and ethical concerns for DSD”

10:15am BREAK

10:30am **Scientific Session 11- UTI & LUT function**

Stephane Bolduc

Serdar Tekgul

10:30am 49. Harnessing Invariant Natural Killer T Cells as Novel Therapeutics for Urinary Tract Infections

**Presenter:** Michael Hsieh

10:35am MP27. Modulation of vascular permeability by Sphingosine kinase 2 in a mouse model of renal injury

**Presenter:** Fernando Ferrer

10:37am 50. Back to the future: Urethral over-dilatation in girls for refractory lower urinary tract dysfunction is effective by objective parameters

**Presenter:** Artan Koni

10:42am 51. Number of sessions of parasacral TENS to complete resolution of overactive bladder in children. Does it matter?

**Presenter:** Ubirajara Barroso

10:47am 52. Study for the Effects of Blocking Hypoxia Inducible Factors in the Pathogenesis Following Partial Bladder Outlet Obstruction

**Presenter:** Nao Iguchi

10:52am MP28. Mucosal inflammation rapidly alters urothelial keratin 6 and 14 expression promoting a skin-like phenotype

**Presenter:** Christina Ching

10:54am-11:05am Q&A

11:05am **Scientific Session 12- Socioeconomic & Public Health**

Robert Defoor

Vjaya Vemulakonda

11:05am 53. Hospital surgical volume and associated post-operative complications of pediatric urologic surgery in the United States

**Presenter:** HsinHsiao Wang

11:10am 54. BMI and Pediatric Urologic Surgical Complications: Results from Pediatric NSQIP

**Presenter:** Michael Kurtz

11:15am MP29. National Practice Patterns and Outcomes of Pediatric PartialNephrectomy: Comparison Between Urology and General Surgery

**Presenter:** Kristina Suson

11:17am 55. Multi Institutional VCUG Height Comparison Study

**Presenter:** Mohammad Ramadan

11:22am MP30. Hospital Admissions for Initial Febrile Urinary Tract Infection in the Era of Revised American Academy of Pediatrics UTI Guidelines: Do Patient Demographics Matter?

**Presenter:** Angela Arlen

11:24am 56. Optimizing Value Utilizing Toyota Kata Methodology in a Multidisciplinary Clinic

**Presenter:** Paul Merguerian

11:29am MP31 A Standardized Web-based Operating Room Module for Urological Procedures Improves Efficiency, Reduces Cost as a Platform for Continuous Process Improvement: A Pilot Study

**Presenter:** Paul Merguerian

11:31am-11:45am Q&A

11:45am **Video Session**

Stephen Canon

Gino Vricella

11:45am V1 Robot-Assisted Laparoscopic Periureteral Diverticulectomy and Bilateral Ureteral Reimplantation

**Presenter:** Angela Arlen

11:50am V2 A Robotic-Assisted Laparoscopic Approach for Distal Ureteral Surgery in Children

**Presenter:** Rebecca Zee

11:55am V3 Carbon dioxide laser for detrusor tunnel creation in robot assisted laparoscopic extravesical reimplant

**Presenter:** Edward Diaz

12:00pm V4 Robotic Partial Nephrectomy for an Endophytic Mass in an Adolescent Male

**Presenter:** Laura Giusto

12:05pm V5 Robotic Appendicovesicostomy Revision

**Presenter:** Paul Chung

12:10pm V6 Robotic Partial Nephrectomy for Cystic Partially Differentiated Nephroblastoma

**Presenter:** Kristi Hebert

12:15pm V7 Retroperitoneoscopic assisted single-site pyeloplasty with EZ access in children

**Presenter:** Yuichiro Yamazaki

12:20pm V8 Renal vein injury during Robotic Assisted Lap Pyeloplasty in a toddler and its management

**Presenter:** V. Sripathi

12:25pm V9 Trocar-less laparoscopic inguinal hernia repair in females

**Presenter:** Paul Bowlin

12:30pm V10 Total urogenital mobilization: a step-by-step illustration of the technique

**Presenter:** Antonio Macedo

12:35pm-12:45pm Q&A

12:45pm Conference Concludes