

JOINT MEETING

**AAP SECTION ON UROLOGY & PEDIATRIC UROLOGY NURSE SPECIALISTS (PUNS)
INTERNATIONAL CHILDREN'S CONTINENCE SOCIETY (ICCS)
SOCIETY FOR FETAL UROLOGY (SFU)**

October 10-13, 2008

Boston, MA

This international joint meeting will feature overlapping sessions and parallel courses to allow attendees to choose from a variety of offerings. In addition to sessions held jointly, each society will also be conducting its own scientific and business programs focusing on their specific areas of interest, featuring panel discussions, guest lectures and research abstract presentations.

PROGRAM SCHEDULE

FRIDAY, OCTOBER 10, 2008

**Section on Urology Scientific Program
Pediatric Urology Nurse Specialists (PUNS)
H6004A
Hynes Convention Center
12:30 pm-5:30 pm**

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|----------------|--|
| 12:30 pm | Business Meeting |
| 12:45 pm | Opening remarks
<i>Eileen Gray, MSN, RN, Chair, PUNS</i> |
| 1:00 pm | Radiology for Pediatric Urology
<i>Carol Barnewolt, MD, FAAP</i> |
| 1:45 pm | Nightmares to Miracles – Female Epispadias
<i>Dalia M Spisak, MSN, RN, CPNP</i> |
| 2:30 pm | Reversing the Growing phenomenon of Dysfunctional Elimination Syndrome in Schools
<i>Ann Marie Berger-Finley, MSN, FNP</i>
<i>Margaret Boyt, ARNP</i> |
| 3:15 pm | Break |
| 3:30 pm | Renal Calculi
<i>Natalie Plachter, RN</i> |
| 4:15 pm | UDT/Orchidopexy: What Are The Long Term Fertility Issues?
<i>Michelle Sheel, RN, APN</i> |
| 5:00 pm | Meet with the Faculty |
| 5:30 pm | Adjourn |
| 6:30 - 9:30 pm | Cocktail Reception Kick-off for the Joint Meeting - Top of the Hub |

FRIDAY, OCTOBER 10, 2008

Section on Urology Scientific Program

International Children's Continence Society & Society for Fetal Urology

H6004B

Hynes Convention Center

1:00 pm-5:45 pm

1:00 pm **Introduction and Welcome from the SFU and ICCS**

Christopher S Cooper, MD, FAAP; C.K. Yeung, MD

1:15 pm **The Valve Bladder Syndrome and Adolescent Incontinence**

Antoine E Khoury, MD, FAAP

SCIENTIFIC

SESSION: Perinatal Influences

Moderators: *Aseem Shukla, MD, FAAP; Paul F Austin, MD, FAAP*

1) 1:35 pm **EVOLVING PATTERN OF BLADDER DYSFUNCTION IN BOYS WITH POSTERIOR URETHRAL VALVES.**

Michal Maternik¹, Piotr Czarniak¹, Magdalena Drozynska-Duklas¹, Andrzej Golebiewski² and Aleksandra Zurowska¹

¹Department Pediatric and Adolescent Nephrology and Hypertension, Medical University, Gdansk, Poland and ²Department of Pediatric Surgery and Urology, Medical University of Gdansk.

2) 1:41 pm **STABILISATION OF RENAL DETERIORATION CAUSED BY BLADDER VOLUME DEPENDANT OBSTRUCTION.**

Dan N Wood, PhD, FRCS, Jemma M Hale and Christopher RJ Woodhouse

Department of Urology, University College Hospital, London, United Kingdom.

3) 1:47 pm **THE EXTERNAL URINARY SPHINCTER: COULD IT BE THE TRIGGER FOR BLADDER EXPANSION?**

Alexandre Kokoua, MD¹, Maurice Y. Gnagne, MD¹, Mireille Tre-Yavo, MD², Yves Homsy, MD, FRCSC, FAAP³

¹Laboratory of Anatomy, University of Cocody, Abidjan, Cote d'Ivoire; ²Laboratory of Histology and Embryology, University of Cocody, Abidjan, Cote d'Ivoire and ³Children's Urology Group, Departments of Surgery and Pediatrics, University of South Florida, Tampa, FL.

4) 1:53 pm **CHANGES IN THE DEVELOPING URETHRAL RHABDOSPHINCTER IN HUMANS : THE PREFUNCTIONAL AND FUNCTIONAL STAGES.**

Alexandre Kokoua, MD¹, Pierre Williot, MD, FRCSC², Yves Homsy, MD, FRCSC³

¹Laboratory of Anatomy, Department of Urology, University of Cocody, Abidjan, Ivory Coast; ²Department of Urology, University of Buffalo, State University of New York and ³Children's Urology Group, Departments of Surgery and Pediatrics, University of South Florida, Tampa, FL.

5) 1:59 pm **PREPULSE INHIBITION OF STARTLE REFLEX IN RATS WITH REDUCED BLADDER CAPACITY VERSUS SHAM GROUP.**

Mei Diao, PhD, B Med, Chung-Kwong Yeung, MD, MBBS, Yi-Min Shi, PhD, M MedSc, Biji Sreedhar, PhD, M Sci

The Chinese University of Hong Kong, Shatin, NT, Hong Kong SAR, China.

2:05 pm **Discussion**

6) 2:15 pm **TBA**

- 7) 2:23 pm TBA
- 8) 2:31 pm TBA
- 9) 2:39 pm TBA
- 10) 2:47 pm TBA
- 11) 2:54 pm TBA
- 3:15 pm **Break, Poster Viewing**
- 3:30 pm **Lecture: Stem Cell Research – State of the Art**
George Daley, MD
 Introduction by *Paul F Austin, MD, FAAP*
- 4:00 pm **Panel Discussion: “Applications for Stem Cell Therapy”**
 Moderator: *George Daley, MD, PhD*
 Panelists: Embryonic Stem Cells – *Carlos Estrada, MD, FAAP*
 Adipose Stem Cells – *Larissa Rodriguez, MD*
 Amniotic Stem Cells – *Anthony J Atala, MD, FAAP*
- 5:00 pm **Anatomy and Development of the Bladder Neck and External Sphincter**
Laurence Baskin, MD, FAAP
 Introduction by *Aseem Shukla, MD, FAAP*
- 5:30 pm **Discussion**
- 5:45 pm **Adjourn**
- 6:30 - 9:30 pm **Cocktail Reception Kick-off for the Joint Meeting – Top of the Hub**

SATURDAY, OCTOBER 11, 2008

Section on Urology Scientific Program

Joint Pediatric Urology Societies

H1014A

Hynes Convention Center

7:30 am-12:23 pm

- 7:30 am **Introduction and Welcome from the Section on Urology and ICCS**
Linda D. Shortliffe, MD, FAAP; C K Yeung, MD

SCIENTIFIC SESSION:

Functional Bladder Disturbances

Moderators: *Jens Christian Djurhuus, MD, Dr. Med. Sci; Lane S Palmer, MD, FAAP*

- 12) 7:45 am **DEVELOPMENT OF A SYMPTOM SCORE FOR DYSFUNCTIONAL ELIMINATION SYNDROME.**
Kourosh Afshar, MD,FAAP, Andrew E MacNeily, and Amir Mirbagheri
 Department of Urologic Sciences, University of British Columbia, Vancouver, BC, Canada.

- 13) 7:51 am **INVESTIGATOR BIAS IN URODYNAMIC INVESTIGATIONS IN CHILDREN.**
An M Bael, MD, PhD¹, Hildegard Lax², Herbert Hirche² and Jan D van Gool¹
¹Department of Pediatrics, Pediatric Nephrology, University Hospital Antwerp, University of Antwerp, Antwerp (Edegem), Belgium and ²Institute of Medical Informatics, Biometry and Epidemiology, University of Essen-Duisburg, Essen, Germany.
- 14) 7:57 am **MANAGEMENT OF CHILDREN WITH LUTS REQUIRES A SPECIFIC DIAGNOSIS.**
Kenneth I Glassberg, MD, FAAP¹, Andrew J Combs¹ and Mark Horowitz²
¹Urology, Columbia University Medical Center – Morgan Stanley Children's Hospital, New York, NY and ²Urology, SUNY-Downstate Medical Center, Brooklyn, NY.
- 15) 8:03 am **CORRELATION BETWEEN UROFLOWMETRY PARAMETERS AND TREATMENT OUTCOME IN CHILDREN WITH DYSFUNCTIONAL VOIDING.**
Vesna Zivkovic, Milica Lazovic, Marina Vlajkovic, Andjelka Slavkovic and Lidija Dimitrijevic
¹Pediatric Rehabilitation, Clinic of Physical Medicine and Rehabilitation, Yugoslavia; ²Center for Nuclear Medicine, Clinical Centre of Nis and ³Urology Department, Clinic for Pediatric Surgery, Nis, Yugoslavia.
- 16) 8:09 am **IS THERE AN ASSOCIATION BETWEEN ADULT INTERSTITIAL CYSTITIS AND CHILDHOOD URINARY DISORDERS?**
Clinical Prize Finalist
Jonathan D Kaye, MD¹, Casey Seideman², Edan Y Shapiro², Robert M Moldwin² and Lane S Palmer¹
¹Pediatric Urology, Schneider Children's Hospital of the North Shore-Long Island Jewish Health System and ²Urology, Arthur Smith Institute for Urology, Lake Success, NY.
- 17) 8:15 am **SLEEP ARCHITECTURE AND CORTICAL AROUSAL IN RATS WITH REDUCED BLADDER CAPACITY VERSUS SHAM GROUP.**
Mei Diao, PhD, B Med, Chung-Kwong Yeung, MD, MBBS, Yi-Min Shi, PhD, M MedSc, Biji Sreedhar, PhD, M Sci
 The Chinese University of Hong Kong, Shatin, NT, Hong Kong SAR, China.
- 8:21 am **Discussion**
- 8:33 am **Panel Discussion: Current Controversies in the Management of Bladder and Sphincter Dysfunction**
 Moderators: *CK Yeung, MD; Linda D. Shortliffe, MD, FAAP*
 Panelists: Novel Urotherapy Strategies – *Janet Chase, DPhys, PGCPHys*
 An Uncommon Solution to Common Voiding Problems: Which and How –
Mario DeGennaro, MD
 New Concepts in the Etiology of LUT Symptoms – *Israel Franco, MD, FAAP*
- 9:18 am **AUA Guest Lecture**
Applications of Hypnosis in the Pediatric Urology Office and Hospital Environment
Karen Olness, MD, FAAP
 Introduction by *Yves L Homsy, MD, FAAP*
- 9:45 am **Discussion**
- 9:55 am **Break, Poster Viewing**
- SCIENTIFIC SESSION:** **Neurogenic Bladder Disturbances**
 Moderators: *Stuart Bauer, MD, FAAP; Earl Cheng, MD, FAAP*

- 18) 10:10 am **HEALTH RELATED QUALITY OF LIFE IN SPINA BIFIDA PATIENTS: A PROSPECTIVE ASSESSMENT BEFORE AND AFTER LOWER URINARY TRACT RECONSTRUCTION.**
Clinical Prize Finalist
Andrew E MacNeily, MD, FRCSC, FAAP, Siavash Jafari, Heidi Scott, Amanda Dalgetty and Kourosh Afshar
 Pediatric Urology, University of British Columbia, Vancouver, BC, Canada.
- 19) 10:16 am **SEXUALITY IN YOUNG ADULTS WITH SPINA BIFIDA.**
Claudia Gatti, MD¹, Carmine del Rossi¹, Adriano Ferrari², Giovanni Casadio¹ and Emilio Casolari¹
¹Pediatric Surgery Unit, Ospedale Maggiore, Parma, Italy and ²Spina Bifida Unit, Ospedale Maggiore, Parma, Italy
- 20) 10:22 am **BLADDER NECK CLOSURE IN CHILDREN: A DECADE LATER.**
Ezekiel H Landau, MD, FAAP¹, Ofer N Gofrit², Ofer Z Shenfeld², Duvdevani Mordechai², Pode Dov² and Katz Ran²
¹Pediatric Urology Unit, Hadassah Hebrew University Medical Center, Jerusalem, Israel and ²Urology, Hadassah Hebrew University Medical Center, Jerusalem, Israel.
- 21) 10:28 am **COMPLICATIONS OF COMPLEX LOWER URINARY TRACT (LUT) RECONSTRUCTION IN PATIENTS WITH NEUROGENIC VS. NON-NEUROGENIC BLADDERS: IS THERE A DIFFERENCE?**
Thomas E Novak, MD, Amirali H Salmasi, Ranjiv I Mathews, Yegappan Lakshmanan and John P Gearhart
 Brady Urological Institute, Johns Hopkins Medical Institutions, Baltimore, MD.
- 22) 10:34 am **THE SHORT-TERM EFFECT OF INTENSIVE BIOFEEDBACK ON CHILDREN WITH URINARY INCONTINENCE DUE TO NEUROPATHIC ACONTRACTILE DETRUSOR AND SPHINCTER.**
Wen Jian-guo, Li Zhen-zhen, Zhang Hong, Zhang Guo-xian, Wang Yan, Wang Qing-wei
 The Pediatric Urodynamic Center; Pediatric Surgery of First Affiliated Hospital of Zhengzhou University; The Institute of Clinical Medicine Universities, Zhengzhou City, Henan Province, China.
- 23) 10:40 am **LOW-DOSE CHEMOPROPHYLAXIS AND PREVENTION OF URINARY TRACT INFECTIONS IN CHILDREN WITH MENINGOMYELOCELE AND CLEAN INTERMITTENT CATHETERISATION.**
Bas Zegers, DR¹, Teau de Jong², Pauline Winkler², Jan Kimpen², Tom de Jong² and Cuno Uiterwaal³
¹Pediatrics, Máxima Medical Center, Veldhoven, The Netherlands; ²Pediatrics, UMC Utrecht, Utrecht, Netherlands and ³Julius Cebrter for Epidemiology, UMC UTrecht, Utrecht, The Netherlands.
- 10:46 am **Discussion**
- 10:58 am **Panel Discussion: Alternative Treatment Options for the Neurogenic Bladder**
 Moderator: John Pope, MD, FAAP
 Panelists: Neuromodulation Therapies – William E Kaplan, MD, FAAP
 Avoiding Augmentation When Performing Outlet Procedures – Warren Snodgrass, MD, FAAP
 Botulinum Toxin for Detrusor Dysfunction – Piet B Hoebeke, MD, PhD

- 11:43 am ***Kelm Hjalmas ICCS Memorial Lecture***
Lower Urinary Tract Refunctionalization by Somatic/Autonomic Nerve Root Transposition in Children with Spinal Cord Abnormalities
 Guest Lecturer: *Chuan-Guo Xiao, MD*
 Introduction by *C K Yeung, MD*
- 12:13 pm **Discussion**
- 12:23 pm **Adjourn for lunch**

SATURDAY, OCTOBER 11, 2008

Section on Urology Scientific Program

AAP Section on Urology

H1014B

Hynes Convention Center

1:30 pm-5:15 pm

SCIENTIFIC

SESSION:

Clinical Prize Finalists

Moderators: *Michael Ritchey, MD, FAAP; Anthony Casale, MD, FAAP*

- 24) 1:30 pm **GENETIC DETERMINANTS OF VESICoureTERAL REFLUX.**
Patricia L Weng, MD¹, Simone Sanna-Cherchi², Terry Hensle⁸, Ellen Shapiro³, Alan Werzberger⁴, Sam Werzberger², Anita Konka², Gianluca Caridi⁵, Claudia Izzì⁶, Francesco Scolari⁶, Roberto Ravazzalo⁷, Gian Marco Ghiggeri⁵, Kenneth Glassberg⁸ and Gharavi G Ali²
¹Pediatric Nephrology, Mount Sinai School of Medicine, New York, NY; ²Nephrology, Columbia University, New York, NY; ³Urology, NYU School of Medicine, New York, NY; ⁴Pediatrics, Columbia University, New York, NY; ⁵Lab on Pathophysiology of Uremia, G Gaslini Institute, Genoa, Italy; ⁶Nephrology, University and Spedali Civili, Brescia, Italy; ⁷Lab of Molecular Genetics, G Gaslini Institute, Genoa, Italy and ⁸Urology, Columbia University, New York, NY.
- 25) 1:36 pm **FACTORS PREDICTING EARLY RECURRENT URINARY TRACT INFECTION IN PRE-TOILET TRAINED CHILDREN WITH VESICoureTERAL REFLUX: MULTIVARIATE ANALYSIS.**
Yuichiro Yamazaki, MD, Yoshiyuki Shiroyamagi, Daisuke Matsuno and Morihiko Nishi
 Urology, Kanagawa Children's Medical Center, Yokohama, Kanagawa, Japan.
- 26) 1:42 pm **PROGRESSION TO END-STAGE RENAL DISEASE IN CHILDREN WITH VESICoureTERIC REFLUX (VUR): INSIGHTS FROM AN ANALYSIS OF THE NORTH AMERICAN PEDIATRIC RENAL TRIALS COLLABORATIVE STUDIES (NAPRTCS) DATABASE.**
Thomas E Novak, MD¹, Alicia Neu², Barbara Fivush², Karen Martz³, Don Stablein³ and Ranjiv I Mathews¹
¹Brady Urological Institute, Johns Hopkins Medical Institutions, Baltimore, MD; ²Pediatric Nephrology, Johns Hopkins Medical Institutions, Baltimore, MD and ³EMMES Corporation, Rockville, MD.
- 27) 1:48 pm **BLADDER NECK RECONSTRUCTION AFTER SUCCESSFUL COMPLETE PRIMARY REPAIR OF EXSTROPHY IN THE NEWBORN.**
Todd Purves, MD, PhD, Thomas Novak, Jeremy King and John P Gearhart
 Urology, Johns Hopkins Medical Institutions, Baltimore, MD.

- 28) 1:54 pm **SHOULD PROGRESSIVE PERINEAL DILATION BE CONSIDERED FIRST LINE THERAPY IN CASES OF VAGINAL AGENESIS?**
Patricio C Gargollo, MD¹, Glenn M Cannon, Jr.¹, David A Diamond¹, Phaedra Thomas², Vicki Burke² and Marc R Laufer²
¹Department of Urology, Children's Hospital Boston, Boston, MA and ²Department of Gynecology, Children's Hospital Boston, Boston, MA

2:00 pm **Discussion**

SCIENTIFIC SESSION:

Basic Science Prize Finalists

Moderators: *Thomas Kolon, MD, FAAP; Darius Bagli, MD, FAAP*

- 29) 2:13 pm **GENOME-WIDE SNP LINKAGE ANALYSIS OF 100 FAMILIES SUGGESTS THE PRESENCE OF FAMILIAL VESICoureTERAL REFLUX SUSCEPTIBILITY LOCI ON CHROMOSOME 5.**
Hiep T Nguyen, MD,FAAP, Christine Briggs, Chao-Yu Guo, Cynthia L Schoettler, Ilina Rosoklija, Stuart B Bauer, Louis Kunkel and Alan B Retik
 Urology and Genetics, Children's Hospital Boston, Harvard Medical School, Boston, MA.

- 30) 2:19 pm **SOCIOBIOLOGY – SOCIAL STRESS INDUCED DYSFUNCTIONAL VOIDING LEADS TO MURINE BLADDER WALL HYPERTROPHY.**
Stephen A Zderic, MD, Stephan Butler, Andy Y Chang, Joanna Sliwoski, Douglas A Canning and Rita J Valentino
 Urology, Children's Hospital of Philadelphia, Philadelphia, PA.

- 31) 2:25 pm **VASCULAR ENDOTHELIAL GROWTH FACTOR FORTIFIED NATURAL SCAFFOLDS REGULATE INNATE IMMUNE RESPONSE AND FIBROSIS THROUGH TOLL LIKE RECEPTORS AND INCREASE TRANSFORMING GROWTH FACTOR β -1 EXPRESSION UPON IMPLANTATION.**
Katherine Moore, MD¹, Sevan Evren², Herman Yeager³, Jennifer Haig², Roula Antoon², Reginald Gorczynskii³ and Walid Farhat¹
¹Department of Surgery, Division of Urology, The Hospital for Sick Children, Toronto, ON, Canada; ²Department of Developmental and Stem Cell Biology, The Hospital for Sick Children and ³Department of Immunology, University of Toronto, Toronto, ON, Canada.

- 32) 2:31 pm **GENTIAL TUBERCLE GROWTH AND PATTERNING IS SPECIFIED BY Eya1 TRANSCRIPTION FACTOR IN CONJUNCTION WITH FIBROBLAST GROWTH FACTOR 8 AND SONIC HEDGEHOG.**
Patricio C Gargollo, MD, Chaoshe Guo and Sean X Li
 Department of Urology, Children's Hospital Boston, Boston, MA.

- 33) 2:37 pm **UROPLAKIN mRNA IS NOT UROTHELIUM SPECIFIC AND CAN BE MANIPULATED BY HEDGEHOG INHIBITION IN AN EMBRYONIC ORGAN CULTURE SYSTEM.**
Patricio C Gargollo, MD, Chaoshe Guo and Sean X Li
 Department of Urology, Children's Hospital Boston, Boston, MA.

2:43 pm **Discussion**

SCIENTIFIC SESSION:

Kidney

Moderators: *Ross Decter, MD, FAAP; Hiep Nguyen, MD, FAAP*

- 34) 2:53 pm **DOES RENAL FUNCTION REMAIN STABLE AFTER PUBERTY IN CHILDREN WITH ANTENATAL HYDRONEPHROSIS WHO SHOWED IMPROVEMENT IN RENAL FUNCTION FOLLOWING PYELOPLASTY?**
Avner Pollack, MD, Dmitry Koulikov, Ofer Z Shenfeld, Amicur Farkas and Boris Chertin
Pediatric Urology Unit, Shaare Zedek Medical Center, Jerusalem, Israel.
- 35) 2:59 pm **RENAL ULTRASOUND IS SUFFICIENT FOR THE FOLLOW-UP OF DISMEMBERED PYELOPLASTY IN CHILDREN.**
Nicholas G Cost, MD, Juan C Prieto, Warren T Snodgrass and Duncan T Wilcox
Department of Urology, University of Texas – Southwestern Medical Center and Children's Medical Center, Dallas, TX.
- 36) 3:05 pm **FETAL PYELECTASIS AS PREDICTOR OF DIFFERENTIAL FUNCTION IN THE NEWBORN.**
Dae Y Kim, MD, Jennie J Mickelson, Brian T Helfand, Max Maizels, William E Kaplan and Elizabeth B Yerkes
Pediatric Urology– Children's Memorial Hospital, Northwestern University, Chicago, IL.
- 37) 3:11 pm **DO RENAL SCARS ON DMSA SCAN PREDICT ABNORMALITIES IN RENAL FUNCTION?**
Ming–Hsien Wang, MD, Adam Hittelman, Michael DiSandro and Laurence Baskin
Urology, UCSF Children's Hospital, San Francisco, CA.
- 38) 3:17 pm **ATORVASTATIN AMELIORATES TUBULOINTERSTITIAL FIBROSIS AND PROTECTS RENAL FUNCTION IN CHRONIC PARTIAL URETERAL OBSTRUCTION.**
John P Fitzgerald, MD, SY Chou, Israel Franco, Unni MM Mooppan, Hong Kim, Rajiv Saini and Frederick A Gulmi
¹Urology, Brookdale University Hospital, Brooklyn, NY and ²Pediatric Urology, Westchester County Medical Center, Valhalla, NY.
- 3:20 pm **Discussion**
- 3:30 pm **Break, Poster Viewing**
- 3:45 pm **Combined Pediatric Surgery / Urology Symposium:**
- Challenges in the Current Management of Disorders of Sex Development**
Moderators: *Bradley P Kropp, MD, FAAP and Patricia Donahoe, MD, FAAP*
Panelists: New Classification of DSD – *Peter Lee, MD, FAAP*
Controversies in Gender Identification – *William G Reiner, MD, FAAP*
Anatomical Concerns in Reconstruction – *Laurence S Baskin, MD, FAAP*
Male Surgical Reconstruction – *Rafael Pieretti, MD*
Female Surgical Reconstruction – *Richard Rink, MD, FAAP*
- 5:15 pm **Adjourn**
- 7:00 pm **Pediatric Urology Banquet**
Odyssey Boat Cruise
Tickets required

SATURDAY, OCTOBER 11, 2008

Section on Urology Scientific Program

International Children's Continence Society & Pediatric Urology Nurse Specialists

H1014C**Hynes Convention Center****1:25 – 5:15 PM****1:25 pm Opening remarks from the ICCS and PUNS***C K Yeung, MD; Eileen Gray, MSN, RN***1:30 pm Panel Discussion: Dysfunctional Bowel Elimination**Moderator: *Yves Homsy, MD, FAAP; Pamela Kelly, RN*

Panelists: Understanding the Physiology of Bowel Transit in Children –

*Charlotte Siggaard, MD, PhD*Elimination Disorders: Why and How they are Related – *Stephen Koff, MD, FAAP*

Spotting and Effectively Managing the Constipated Child –

*Vera Loening-Baucke, MD, FAAP***SCIENTIFIC
SESSION:****Elimination Dysfunction I**Moderators: *Christopher Cooper, MD, FAAP; Rosemary Grant, RN***39) 2:30 pm 24 HOUR RECTAL MANOMETRIC RECORDING: NEW INSIGHTS INTO RECTAL MOTILITY PATTERNS IN CHILDREN.***Moeller Joensson, MD*

Department of Pediatrics Aarhus University Hospital, Skejby Aarhus, Denmark.

40) 2:36 pm NEW INSIGHTS INTO BOWEL HABITS FROM BOWEL DIARIES IN CONSTIPATED AND HEALTHY CHILDREN: A PROSPECTIVE STUDY.*Iben M Joensson¹, Charlotte Siggaard¹, Soren Hagstroem², Soren Rittig¹ and Jens Christian Djurhuus²*¹Department of Pediatrics, Aarhus University Hospital, Skejby, Aarhus, Denmark and ²Institute of Clinical Medicine, Aarhus University Hospital, Skejby, Aarhus, Denmark.**41) 2:42 pm SIGNIFICANT VARIABILITY IN POST-VOID RESIDUAL URINE OF HEALTHY PRESCHOOL CHILDREN.***Stephen SD Yang and Shang-Jen Chang*

Division of Urology, Buddhist Tzu Chi General Hospital, Taipei Branch, Taipei, Taiwan.

42) 2:48 pm INTRACTABLE VOIDING DYSFUNCTION IN CHILDREN WITH NORMAL SPINAL IMAGING: PREDICTORS OF FAILED CONSERVATIVE MANAGEMENT.*Jonathan J Stone¹, Curtis J Rozzelle¹ and Saul P Greenfield¹*¹Department of Pediatric Neurosurgery, State University of New York at Buffalo, School of Medicine & Biomedical Sciences, Women and Children's Hospital of Buffalo, Buffalo, NY and ²Department of Pediatric Urology, State University of New York at Buffalo, School of Medicine & Biomedical Sciences, Women and Children's Hospital of Buffalo, Buffalo, NY.**2:54 pm Discussion****43) 3:00 pm TRANSCUTANEOUS ELECTRICAL STIMULATION IN THE TREATMENT OF SLOW TRANSIT CONSTIPATION IN CHILDREN – A RANDOMISED PLACEBO-CONTROLLED TRIAL.***Janet W Chase, Dphysio,PGCPhysio¹, Melanie C Clarke¹, Susie M Gibb^{1,3}, John M Hutson^{1,2,3}, Anthony G Catto-Smith^{1,2}, Valma J Robertson⁴ and Bridget R Southwell¹*¹Department of Surgical Research, Murdoch Children's Research Institute, Melbourne, Victoria, Australia; ²Department of General Surgery, Royal Children's Hospital, Melbourne, Victoria,

Australia; ³Department of Paediatrics, University of Melbourne, Melbourne, Victoria, Australia and ⁴Teaching & Research Unit, University of Newcastle, Gosford, New South Wales, Australia.

- 44) 3:06 pm **CAN SCHOOL INDIVIDUAL HEALTH PLANS HELP INCREASE CONTINENCE IN CHILDREN WITH DYSFUNCTIONAL ELIMINATION SYNDROME?**
Anne L Boisclair-Fahey, DNP, RN, CPNP
Department of Urologic Surgery, University of Minnesota, Minneapolis, MN.
- 45) 3:12 pm **DEVELOPING NURSE COMPETENCIES FOR PAEDIATRIC CONTINENCE CARE.**
June Rogers MBE RN, RSCN, BA(Hons), MSC and Sue Thomas
¹PromoCon, Disabled Living, Manchester, Greater Manchester, United Kingdom and ²Royal College of Nursing, London, United Kingdom.
- 46) 3:18 pm **MULTIDISCIPLINARY TREATMENT OF DAYTIME INCONTINENCE IN A GENERAL HOSPITAL: SHORT AND LONG TERM FOLLOW-UP.**
M Koppejan-Stapel, R, Dellink-Vlietstra, J van der Deure
Deventer Ziekenhuis, Deventer, The Netherlands.
- 3:24 pm **Discussion**
- 3:30 pm **Break, Poster Viewing**
- SCIENTIFIC SESSION:** **Elimination Dysfunction II**
Moderators: *Carla Garwood, RN*
- 47) 3:45 pm **UTILIZATION OF ONLINE TRAINING TOOL IN MANAGEMENT OF VOIDING DYSFUNCTION.**
Jaspreet S Joneja Steve J Hodges, MD, and Anthony Atala
Urology, Wake Forest University Health Sciences, Winston Salem, NC.
- 48) 3:51 pm **IMPROVING COMMUNICATION WITH THE CHILD.**
June Rogers MBE, RN, RSCN, BA(Hons), MSC
- 49) 3:57 pm **MEASURING IMPROVEMENT IN LOWER URINARY TRACT SYMPTOMATOLOGY.**
Michael C Carr, MD, PhD^{1,2}, Aileen P Schast¹, Meg Richter¹, Amanda Berry¹ and Stephen A Zderic^{1,2}
¹Division of Urology, The Children's Hospital of Philadelphia, Philadelphia, PA and ²Division of Urology, University of Pennsylvania School of Medicine, Philadelphia, PA.
- 50) 4:03 pm **CENTRAL NERVOUS SYSTEM PROCESSING OF EMOTIONS IN CHILDREN WITH ENCOPRESIS.**
Alexander KP von Gontard, MD, Anna Schneider, Diana El Khatib and Matthias Rubly
Department of Child and Adolescent Psychiatry, Saarland University Hospital, Homburg, Germany
- 51) 4:09 pm **ASSOCIATION OF ATTENTION DEFICIT AND ELIMINATION DISORDERS AT SCHOOL ENTRY – AN EPIDEMIOLOGICAL STUDY.**
Alexander K P von Gontard, MD¹, Anne M Moritz² and Freitag M Christine³
¹Department of Child and Adolescent Psychiatry, Saarland University Hospital, Homburg, Germany.
- 4:13 pm **Discussion**

SUNDAY, OCTOBER 12, 2008

Section on Urology Scientific Program

AAP Section on Urology

H2005A

Hynes Convention Center

7:30 am-5:15 pm

7:30 am **Masters Class: Complex Reconstruction: Tricks of the Trade**

Moderator: *Joseph G Borer, MD, FAAP*

Panelists: Two Stage Buccal Mucosa Urethroplasty – *Leonard N Zinman, MD*
 Artificial Urinary Sphincter with or without Bladder Augmentation –
Ricardo Gonzalez, MD, FAAP
 Repair of Cloacal Malformation – *Curtis A Sheldon, MD, FAAP*
 Hospital for Sick Children's Approach to Bladder Exstrophy –
Joao L Pippi Salle, MD, FAAP

SCIENTIFIC

SESSION: **Bladder Exstrophy I**

Moderators: *Martin Koyle, MD, FAAP; Mark Adams, MD, FAAP*

- 52) 8:30 am **DOES BILATERAL URETERAL REIMPLANTATION AT THE TIME OF PRIMARY BLADDER EXSTROPHY CLOSURE (CPRE-BUR) PROTECT THE UPPER TRACTS?**
Luis H Braga, MD, Armando J Lorenzo, Darius J Bagli, Antoine E Khoury and Joao L Pippi Salle
 Urology, The Hospital for Sick Children, Toronto, ON, Canada.
- 53) 8:36 am **A LONG-TERM FOLLOW-UP STUDY (38-69 YEARS) OF PATIENTS WITH BLADDER EXSTROPHY TREATED BY URETEROSIGMOIDOSTOMY IN EARLY CHILDHOOD.**
Rita M Gobet¹, Daniel M Weber¹, Christian J Kellenberger², Ines Raabe³, Stefan Dierauer³ and Joachim Fischer⁴
¹Urology, University Children's Hospital, Zurich, Switzerland; ²Diagnostic Imaging, University Children's Hospital, Zurich, Switzerland; ³Orthopaedic Surgery, University Children's Hospital, Zurich, Switzerland and ⁴Psychology/Psychiatry, University Children's Hospital, Zurich, Switzerland.
- 54) 8:42 am **THE KELLY TECHNIQUE OF BLADDER EXSTROPHY REPAIR: CONTINENCE, COSMESIS AND PELVIC ORGAN PROLAPSE OUTCOMES.**
Andrew C Jarzebowski¹, Neil D McMullin², Sonia R Grover⁵, Bridget R Southwell³ and John M Hutson^{2,3,4}
¹School of Medicine, University of Melbourne, Melbourne, Victoria, Australia; ²Department of Urology, Royal Children's Hospital, Melbourne, Victoria, Australia; ³Department of Surgical Research, Murdoch Children's Research Institute, Melbourne, Victoria, Australia; ⁴Department of Paediatrics, University of Melbourne, Melbourne, Victoria, Australia and ⁵Department of Paediatric and Adolescent Gynaecology, Royal Children's Hospital, Melbourne, Victoria, Australia.
- 55) 8:48 am **DELAYED EXSTROPHY CLOSURE: MANAGEMENT AND OUTCOME.**
Yegappan Lakshmanan, MD, Thomas E Novak, Ryan Orosco, John P Costello and John P Gearhart
 Brady Urologic Institute, Johns Hopkins Medical Institutions, Baltimore, MD.
- 56) 8:54 am **THE USE OF ALLODERM AS AN ADJUNCT IN THE CLOSURE OF THE BLADDER-CLOACAL EXSTROPHY COMPLEX.**
C Gerry Henderson, MD, Amanda C North and John P Gearhart

¹Urology Service, Madigan Army Medical Center, Tacoma, WA; ²James Buchanan Brady Urological Institute – Jeffs Division of Pediatric Urology, The Johns Hopkins Hospital, Baltimore, MD and ³James Buchanan Brady Urological Institute – Jeffs Division of Pediatric Urology, The Johns Hopkins Hospital, Baltimore, MD.

57) 9:00 am **FAILED EXSTROPHY CLOSURE: MANAGEMENT AND OUTCOME.**
Thomas E Novak, MD, John P Costello, Ryan Orosco and John P Gearhart
Brady Urological Institute, Johns Hopkins Medical Institutions, Baltimore, MD.

9:06 am **Discussion**

**SCIENTIFIC
SESSION:**

Reflux I

Moderators: *Julian Wan, MD, FAAP; Andrew Kirsch, MD, FAAP*

58) 9:19 am **IMPROVEMENT IN THE GRADE OF VESICoureTERAL REFLUX ON SERIAL VCUG/RNC PREDICTS RESOLUTION: A LONGITUDINAL STUDY OF 1761 CHILDREN WITH VUR.**
Glenn M Cannon, Jr., MD, Ayrton A Arahna, Carlo C Passerotti, Andres Silva, Alan B Retik and Hiep T Nguyen
Urology, Children's Hospital Boston, Boston, MA.

59) 9:25 am **FACTORIAL ANALYSIS OF VESICoureTERAL REFLUX RESOLUTION PARAMETERS.**
Ayrton A Aranha, MD, Marc Cendron and Hiep T Nguyen
Urology, Children's Hospital Boston, Boston, MA.

60) 9:31 am **HYDRONEPHROSIS FOLLOWING URETERAL REIMPLANTATION: WHEN IS IT A SIGN OF OBSTRUCTION?**
Andres C Silva, MD, Carlo C Passerotti, Pedro S Rebecal, Alan B Retik and Hiep T Nguyen
Department of Urology, Children's Hospital Boston, Harvard Medical School, Boston, MA.

61) 9:37 am **FAMILIAL VESICoureTERAL REFLUX: IS SCREENING BENEFICIAL?**
Maria Menezes, MD, and Prem Puri
¹National Children's Hospital, Dublin, Ireland and ²Children's Research Centre, Our Lady's Children's Hospital, Dublin, Ireland.

62) 9:43 am **LINKAGE ANALYSIS OF CANDIDATE GENES IN FAMILIES WITH VESICoureTERAL REFLUX.**
Prem Puri¹, Helena Kelly², David Barton² and Cliona Molony³
¹Children's Research Centre, Our Lady's Children's Hospital, Dublin, Ireland; ²National Centre for Genetics, University College Dublin, Our Lady's Children's Hospital, Dublin, Ireland and ³Rosetta Inpharmatics, Seattle, WA.

9:49 am **Discussion**

10:00 am **Break, Poster Viewing**

**SCIENTIFIC
SESSION:**

Hypospadias

Moderators: *H. Gil Rushton, MD, FAAP; Ranjiv Matthews, MD, FAAP*

63) 10:15 am **RISK FACTORS FOR FISTULA FORMATION (FF) AFTER TIP REPAIR: SINGLE CENTER MULTIVARIABLE ANALYSIS OF 601 DISTAL HYPOSPADIAS.**

Luis H Braga, MD, Armando J Lorenzo, Darius J Bagli, Mohamed Suoub, Gabriela Salle, Mohamed Mahdi, Walid A Farhat, Antoine E Khoury and Joao L Pippi Salle
Urology, The Hospital for Sick Children, Toronto, ON, Canada.

- 64) 10:21 am **SNODGRASS URETHROPLASTY: GRAFTING THE INCISED PLATE. TEN YEARS LATER.**

Fabio Ferro, MD¹, Santiago Vallasciani¹, Alessandro Borsellino¹, Pietro Atzori¹ and Luisa Martini²

¹Andrological and Gynecological Surgery Unit, Bambino Gesù Children's Hospital, Rome, Italy and ²Anesthesiology Service, Bambino Gesù Children's Hospital, Rome, Italy.

- 65) 10:27 am **LONG TERM FOLLOW UP INTO ADULTHOOD OF BOYS OPERATED FOR HYPOSPADIAS. A STUDY INTO FUNCTIONAL AND COSMETIC RESULTS.**

Tom P de Jong, MD, PhD, FEAPU¹, Sybren P Rynja², Gerlof A Wouters², Maaïke van Schaijk³, Esther T Kok² and Laetitia M de Kort²

¹Pediatric Urology, University Medical Center Utrecht, Utrecht, The Netherlands; ²Urology, University Medical Center Utrecht, Utrecht, Netherlands and ³Psychology, University Medical Center Utrecht, Utrecht, The Netherlands.

- 66) 10:33 am **MANAGING VENTRAL CURVATURE WHILE PRESERVING THE URETHRAL PLATE IN PROXIMAL HYPOSPADIAS REPAIR.**

Warren T Snodgrass, MD and Juan C Prieto

Urology, University of Texas Southwestern Medical Center, Dallas, TX.

- 10:39 am **Discussion**

SCIENTIFIC SESSION:

Penis

Moderators: *Mark Zaontz, MD, FAAP; Katsuhik Ueoka, MD, FAAP*

- 67) 10:46 am **HIGH SUCCESS RATE WITH TOPICAL TRIAMCINOLONE FOR PERSISTENT PHIMOSIS: A DOUBLE-BLIND RANDOMIZED PLACEBO CONTROLLED LONG TERM STUDY.**

Julien Letendre, MD, Diego Barrieras, Julie Franc-Guimond, Ala Abdo and Anne-Marie Houle
Urology Division, Department of Surgery, CHU Sainte-Justine, Montreal, QC, Canada.

- 68) 10:53 am **SURGERY FOR BULBOUS URETHRAL STRICTURES IN BOYS – WHAT IS THE OPTIMAL SURGICAL STRATEGY?**

David A Diamond, MD, Jiang Xuewu, Stuart B Bauer, Bartley G Cilento, Jr., Joseph G Borer, Hiep Nguyen, Marc Cendron, Ilina Rosoklija and Alan B Retik
Urology, Children's Hospital Boston, Boston, MA.

- 69) 10:59 am **URETHRAL HYPOPLASIA IN THE ABSENCE OF HYPOSPADIAS: A 20-YEAR, MULTI-INSTITUTIONAL EXPERIENCE.**

Jonathan D Kaye, MD¹, Lori L Dyer¹, Abdulwahab El-Kassabay² and Moneer K Hanna³

¹Urology, Schneider Children's Hospital, North Shore-Long Island Jewish Health System, New Hyde Park, NY; ²Urology, Ain-Shams University Hospital, Cairo, Egypt and ³Urology, Weill Cornell Medical Center, New York, NY.

- 70) 11:05 am **TIMING OF ANDROGEN ADMINISTRATION HAS DIFFERENT EFFECTS ON FERTILITY AS WELL AS PENILE SIZE IN NORMAL MALE RATS.**

Poster 19
Hyeyoung Lee, MD, Mae Hwa Jin, Hyo Jin Kang, Chang Hee Hong and Sang Won Han
Department of Urology, Yonsei University College of Medicine, Seoul, Korea.

11:08 am **Discussion**

11:15 am **AAP Lattimer Lecture**

Introduction: *Linda D Shortliffe, MD, FAAP*

Lecturer: *Anna Deveare Smith, Actress and playwright*

"Let Me Down Easy," An homage to health and the human body

12:00 pm **Presentation of Pediatric Urology Medal**

Recipient: *Michael E Mitchell, MD FAAP*

12:15 pm **Lunch Break**

**SCIENTIFIC
SESSION:**

Testis

Moderators: *Steven Docimo, MD, FAAP; Julia Barthold, MD, FAAP*

71) 1:30 pm **TWO-STAGE FOWLER-STEPHENS ORCHIDOPEXY FOR INTRA-ABDOMINAL TESTICLE: A 25-YEAR SINGLE INSTITUTION EXPERIENCE.**

Emilie K Johnson, MD, Diana K Bowen, David A Bloom, Julian H Wan and John M Park
Department of Urology, University of Michigan, Ann Arbor, MI.

72) 1:36 pm **ORCHIDOPEXY FOR INTRAABDOMINAL TESTES: FACTORS PREDICTING SUCCESS.**

Andrew A Stec, MD, Stacy T Tanaka, Mark C Adams, John C Pope IV, John C Thomas and John W Brock III

Division of Pediatric Urology, Vanderbilt Children's Hospital, Nashville, TN.

73) 1:42 pm **RISK FACTORS FOR CRYPTORCHIDISM.**

Wout FJ Feitz, PhD¹, Marijn Brouwers², Robert PE de Gier¹, Gerhard A Zielhuis² and Nel Roeleveld²

¹Pediatric Urology Centre, Radboud University Nijmegen Medical Centre, Nijmegen, Netherlands and ²Epidemiology, Biostatistics, and Health Technology Assessment, Radboud University Nijmegen Medical Centre, Nijmegen, Netherlands

74) 1:48 pm **IMPROVING THE DIAGNOSTIC ACCURACY OF TESTICULAR TORSION BY UROLOGY RESIDENTS: LOGISTIC REGRESSION ANALYSIS OF HISTORY AND PHYSICAL EXAMINATION PARAMETERS.**

Arun Srinivasin, MD, Nadya Cinman, Kevin M Feber, Jordan Gitlin and Lane S Palmer

Pediatric Urology, Schneider Children's Hospital of the North Shore-Long Island Jewish Health System, New Hyde Park, NY

75) 1:54 pm **CORRELATION OF SEMEN ANALYSIS WITH ALTERATIONS OF *CgRP*, *INSL3*, AND *HOXD13* GENES IN CRYPTORCHIDISM.**

Poster 14

Thomas F Kolon, MD, Pasquale Casale, Stephen A Zderic, Michael C Carr and Howard M Snyder
Division of Urology, Children's Hospital of Philadelphia, University of Pennsylvania School of Medicine, Philadelphia, PA.

1:57 pm **Discussion**

**SCIENTIFIC
SESSION:**

Bladder Exstrophy II

Moderators: *John Gearhart, MD, FAAP; Henri Lottmann, MD*

- 76) 2:07 pm **MANAGEMENT AND OUTCOMES OF HYPOSPADIAS AFTER CPRE.**
Margarett Shnorhavorian, MD,MPH¹, Richard W Grady¹, Amy Anderson¹, Byron D Joyner¹ and Michael E Mitchell²
¹Urology, Seattle Children's Hospital, Seattle, WA, and ²Urology, Children's Hospital Wisconsin, Milwaukee, WI
- 77) 2:13 pm **FEMALE EPISPADIAS MANAGEMENT: PERINEAL URETHRO-CERVICOPLASTY VERSUS CLASSICAL YOUNG-DEES PROCEDURE.**
Yves Aigrain, MD,PhD^{1,2}, Alaa Cheikhelard¹, Rachid Bahi¹, Henri Lottmann¹ and Stephen Lortat-Jacob¹
¹Pediatric Urology, APHP Hôpital Necker-Enfants Malades, Paris, France and ²Université Paris Descartes, Paris, France.
- 78) 2:19 pm **DO PATIENTS WITH CLASSIC BLADDER EXSTROPHY HAVE FECAL INCONTINENCE?**
Yaser El-Hout, MD, Joao L Pippi Salle, Thamer Al-Saad, Darius J Bagli, Armando J Lorenzo, Barbara Neilson and Walid A Farhat.
 Urology, The Hospital for Sick Children, Toronto, ON, Canada.
- 2:25 pm **Discussion**
- SCIENTIFIC SESSION: Miscellaneous**
 Moderators: *Douglas Canning, MD, FAAP; John Wiener, MD, FAAP*
- 79) 2:34 pm **PUBLICATIONS BY THE AMERICAN ACADEMY OF PEDIATRICS SECTION ON UROLOGY: THE QUALITY OF RESEARCH DESIGN AND STATISTICAL METHODOLOGY.**
Kourosh Afshar, MD,FAAP, Andrew E MacNeily, Abhi Seth and Siavash Jafari.
 Urological Sciences, University of British Columbia, Vancouver, BC, Canada.
- 80) 2:40 pm **CHRONIC UTI IN CHILDREN IS NOT ASSOCIATED WITH BLADDER WALL BACTERIAL PODS.**
Craig A Peters, MD, Owen Hendley and Theresa S Schlager
 Urology and Pediatrics, University of Virginia, Charlottesville, VA.
- 81) 2:46 pm **THE ASSOCIATION BETWEEN EMPLOYMENT AND QUALITY OF LIFE IN ADOLESCENTS AND YOUNG ADULTS WITH SPINA BIFIDA.**
Vijaya M Vemulakonda, MD, JD¹, William O Walker², Richard W Grady¹ and Tari D Topolski³
¹Division of Pediatric Urology, Children's Hospital and Regional Medical Center, Seattle, WA; ²Department of Pediatrics, Children's Hospital and ³Regional Medical Center, Seattle, WA and Department of Health Services, University of Washington, Seattle, WA.
- 82) 2:52 pm **CONTINUOUS EPIDURAL VERSUS NON-EPIDURAL ANALGESIA FOR POST-PYELOPLASTY PAIN IN CHILDREN: A PROSPECTIVE, RANDOMIZED STUDY.**
David Ben-Meir, MD, Pinhas M Livne, Jacob Kats, Orli Gelman and Rachel Efrat
 Pediatric Urology, Schneider Children's Medical Center of Israel.
- 83) 2:58 pm **IT IS UNPREDICTABLE IF PREOPERATIVE CHEMOTHERAPY WOULD IMPROVE OR EASE THE SURGICAL PROCEDURE AND OUTCOME IN CHILDREN WITH WILMS TUMOR.**
Guy A Bogaert, PhD,MD¹, Birgit Heremans², Liesje Bruninx¹, Liesbeth De Wever² and Hendrik Van Poppel¹

¹Urology–Pediatric Urology, UZ Leuven, Leuven, Belgium and ²Radiology, UZ Leuven, Leuven, Belgium.

- 3:04 pm **Discussion**
- 3:15 pm **Break, Poster Viewing**
- 3:30 pm **Panel Discussion: “Pediatric Urology Ryder Cup: Europe vs. the U.S.”**
 Moderator: *Duncan T Wilcox, MD*
 Panelists: *Mr Prasad Godbole, MBBS, FRCS* (Sheffield, UK)
Dr Marc LeClair, MD, PhD (Nantes, France)
Mr Patrick Duffy, MBBS, FRCS (London, UK)
Jack S Elder, MD, FAAP (US)
Mark Cain, MD, FAAP (US)
Christopher S Cooper, MD, FAAP (US)

4:45 pm **Business Meeting**

5:15 pm **Adjourn**

SUNDAY, OCTOBER 12, 2008

Section on Urology Scientific Program

International Children’s Continence Society & Pediatric Urology Nurse Specialists

H2005B

Hynes Convention Center

8:30 am-12:15 pm

SCIENTIFIC

SESSION: **Influence of Co-Morbidity I**

Moderators: *Kenneth Glassberg, MD, FAAP; Michaelene Ribbeck, CPNP, PhD*

- 84) 8:30 am **TOILET TRAINING OF YOUNG HEALTHY CHILDREN IN A DAY CARE CENTRE: A RANDOMISED CONTROL TRIAL.**
Alexandra Vermandel, MPT^{1,3}, Marijke Van Kampen², Stefan De Wachter¹, Joost Weyler⁴ and Jean-Jacques Wyndaele¹
¹Urology, University Antwerp, Antwerp, Belgium; ²Kinesiology and Rehabilitation, University Louvain, Louvain, Belgium; ³Healthcare, Hogeschool Antwerpen, Antwerp, Belgium and ⁴Epidemiology, University Antwerp, Antwerp, Belgium.
- 85) 8:36 am **THE EFFECT OF URINARY BLADDER OVERDISTENSION ON THE VOIDING FUNCTION OF KINDERGARTEN CHILDREN.**
Stephen SD Yang, MD, PhD
 Division of Urology, Buddhist Tzu Chi General Hospital, Taipei Branch
- 86) 8:42 am **THE OCCURRENCE OF CHILDHOOD MICTURITION SYMPTOMS IN PARENTS OF CHILDREN WITH DYSFUNCTIONAL VOIDING OR OVERACTIVE BLADDER SYNDROME.**
Tom P de Jong, MD, PhD¹, Huub van der Vaart², Julien Labrie², Anka Nieuwhof¹ and Marianne A Vijverberg¹
¹Pediatric Urology, University Children's Hospital UMCU, Utrecht, The Netherlands and ²Obstetrics and Gynecology, University Medical Center Utrecht, The Netherlands

- 87) 8:48 am **BEHAVIORAL TREATMENT FOR THE IMPROVEMENT OF LOWER URINARY TRACT SYMPTOMS.**
Aileen P Schast, PhD¹, Stephen A Zderic^{1,2}, Meg Richter¹, Amanda Berry¹ and Michael C Carr^{1,2}
¹Division of Urology, The Children's Hospital of Philadelphia, Philadelphia, PA and ²Division of Urology, University of Pennsylvania School of Medicine, Philadelphia, PA.
- 88) 8:54 am **THE UROFLOW PATTERN IN MENTAL AND/OR MOTOR DISABLED CHILDREN.**
Erik Van Laecke¹, Ann Raes², Johan Vande Walle² and Piet Hoebeke¹
¹Paediatric Urology, Ghent University Hospital, Ghent, Oost-Vlaanderen, Belgium and ²Paediatric Nephrology, Ghent University Hospital, Ghent, Oost-Vlaanderen, Belgium.
- 89) 9:00 am **BIOFEEDBACK TRAINING (BT) FOR LUT PROBLEMS IN CHILDREN: FACTORS AFFECTING EFFICACY.**
Pamela R Kelly MS, RN, CPNP, Barbara D Marinaccio, Joseph G Borer, Carlos R Estrada, Richard S Lee and Stuart B Bauer
Department of Urology, Children's Hospital Boston, Boston, MA.
- 90) 9:06 am **IS RADIOGRAPHIC IMAGING NEEDED IN THE INITIAL EVALUATION OF CHILDREN WITH LOWER URINARY TRACT DYSFUNCTION?**
Elizabeth Jackson, MD, William DeFoor, Nan Tobias, Alfor Lewis, Deepa Chand and Curtis Sheldon
Pediatric Urology, Cincinnati Children's Hospital, Cincinnati, OH.
- 9:10 am **Discussion**
- 9:25 am **Toilet Training Children with Developmental Challenges: Secrets to Success**
Introduction by *Stuart Bauer, MD, FAAP*
Guest Lecturer: *Alison Schonwald, MD, FAAP*
- 10:00 am **Break, Poster Viewing**
- 10:15 am **Panel Discussion: Developmentally Challenged Children and Urinary Incontinence: A Vexing Clinical Problem**
Moderators: *Patrick McKenna, MD, FAAP; Barbara Montagnino, MSN, CNS*
Panelists: Are Developmentally Challenged Children Amenable to LUT Rehabilitation? –
Erik Van Laecke, MD
Guiding Parents and Care-Givers – *Alexander Von Gontard, MD*
Tricks of the Trade and Practical Tips – *Marlo Eldridge, MSN, RNP*
- SCIENTIFIC SESSION:**
- Influence of Co-Morbidity II**
Moderators: *Janet Chase, DPhys, PGCPHys; Valre Welch, MSN, RN, CPNP*
- 91) 11:15 am **COGNITIVE FUNCTION IN CHILDREN WITH SEVERE REFRACTORY NOCTURNAL ENURESIS: A PRE AND POST TREATMENT EVALUATION.**
Biji Sreedhar, PhD, CK Yeung, MD, Alex Yeung, Msc. Mei Diao, PhD, JDY Sihoe, MS
Division of Pediatric Surgery & Pediatric Urology, Department of Surgery, The Chinese University of Hong Kong, Hong Kong, China
- 92) 11:21 am **CLINICAL DIFFERENCES IN SUBTYPES OF DAYTIME WETTING – URGE INCONTINENCE AND VOIDING POSTPONEMENT.**
Alexander KP von Gontard, Sissy Kuhn and Nicole Natale
Department of Child and Adolescent Psychiatry, Saarland University Hospital, Homburg, Germany.

93) 11:27 am **CHARACTERIZATION AND MANAGEMENT OF VOIDING DYSFUNCTION IN CHILDREN WITH ADHD.**

Jonathan D Kaye, MD and Lane S Palmer Pediatric

Urology, Schneider Children's Hospital of the North Shore-Long Island Jewish Health System, New Hyde Park, NY.

94) 11:33 am **COMPARISON OF ENURESIS, VOIDING DYSFUNCTION AND TREATMENT OUTCOMES IN TYPICAL CHILDREN AND THOSE DIAGNOSED WITH ADHD AND AUTISM SPECTRUM DISORDERS.**

Justine M Schober, MD, Jamie Fuhrer and Timothy Cooney

¹Urology, Hamot Medical Center, Erie, PA; ²Medical School, Lake Erie College of Osteopathic Medicine, Erie, PA and ³Academic Research, Hamot Medical Center, Erie, PA.

11:39 am **Discussion**

95) 11:50 am **ADEQUATE FLUID INTAKE, AN IMPORTANT FACTOR IN THE TREATMENT OF URINARY INCONTINENCE IN CHILDREN SUFFERING MENTAL AND/OR MOTOR DISABILITY.**

Erik Van Laecke, MD¹, Ann Raes², Johan Vande Walle² and Piet Hoebeke¹

¹Paediatric Urology, Ghent University Hospital, Ghent, Oost-Vlaanderen, Belgium and ²Paediatric Nephrology, Ghent University Hospital, Ghent, Oost-Vlaanderen, Belgium.

96) 11:56 am **CORRELATING THE CLINICAL AND URODYNAMIC SPECTRUM OF BLADDER FUNCTION AMONG CHILDREN WITH CEREBRAL PALSY.**

Ingride Richardson, MD² and Lane S Palmer¹

¹Pediatric Urology, Schneider Children's Hospital of the North Shore-Long Island Jewish Health System, New Hyde Park, NY and ²Urology, Beth Israel Medical Center, New York, NY.

97) 12:02 pm **EFFECTIVE CONSERVATIVE TREATMENT OF OVERACTIVE NEUROGENIC BLADDER.**

Thomas Lehnert, Holger Till, Margit Weisser and Udo Rolle

Department of Pediatric Surgery, University of Leipzig, Leipzig, Germany.

12:08 pm **Discussion**

12:15 pm **Lunch Break**

SUNDAY, OCTOBER 12, 2008

Section on Urology Scientific Program

International Children's Continence Society

H2005C

Hynes Convention Center

1:30 pm-5:30 pm

1:30 pm **POINT/COUNTERPOINT**

Controversies in the Pathophysiology of Enuresis

Moderators: *Tryggve Neveus, MD PhD, and Johan Vande Walle, MD*

Panelists: Fluid Balance and Nocturnal Polyuria – *Soren Rittig, MD*

Arousal Mechanisms and Sleep Disturbances – *CK Yeung, MD*

2:00 pm **Applying Hypnosis to Treating Enuresis: Teaching Kids to Sing "How Dry I Am"**

Introduction by *Jack Elder, MD, FAAP*
 Guest Lecturer: *Jeffrey Lazarus, MD, FAAP*

SCIENTIFIC

SESSION:

Enuresis Etiology

Moderators: *Troels Munch Jorgensen, MD; Erik Van Laecke, MD*

- 98) 2:30 pm **A RE-APPRAISAL OF URINE OUTPUT RATE AND MAXIMUM VOLUME VOIDED IN CHILDREN WITH AND WITHOUT MONOSYMPTOMATIC NOCTURNAL ENURESIS.**
Jan D van Gool, MD, PhD¹, Koen Van Hoeck¹, An M Bael¹, Hildegard Lax², Herbert Hirche², Els Van Dessel¹ and Debbie Van Renthergem¹
¹Department of Pediatrics, Pediatric Nephrology, University Hospital Antwerp, University of Antwerp, Antwerp (Edegem), Belgium and ²Institute of Medical Informatics, Biometry and Epidemiology, University of Essen-Duisburg, Essen, Germany.
- 99) 2:36 pm **LOWER URINARY TRACT SYMPTOMS IN ENURETIC AND NON-ENURETIC CHILDREN: A POPULATION-BASED STUDY.**
Eliane M G O Fonseca, PhD, MD,^{1,2}; Ana Paula N Bordallo, MD¹, Patricia G Keller, MD¹, Catya Munhoz¹, Cosme M F P Silva³
¹Pediatric Urodynamics, Hospital dos Servidores do Estado, Rio De Janeiro, Brazil. ²Gama Filho University, Rio De Janeiro, Brazil. ³National Public Health School, Rio De Janeiro, Brazil.
- 100) 2:42 pm **THE EFFECT OF FAMILIAL AGGREGATION ON THE CHILDREN WITH PRIMARY NOCTURNAL ENURESIS.**
Wen Jian Guo, Wang Qing Wei, Wang Yan, Zhang Ning, Lou An Feng, Jin Xing Wei
¹Department of Urology, The First Affiliated Hospital of Zhengzhou University, ²Pediatric Surgery and Urodynamics Center, First Affiliated Hospital of Zhengzhou University, ³Institute of Clinical Medical Research Universities of Henan Province, China.
- 101) 2:48 pm **PARENTERAL STRESS AND PSYCHOPATHOLOGY IN CHILDREN WITH ENURESIS NOCTURNA.**
Dieter D Baeyens, PhD, K Van Gompel, Elke De Bruyne, Eline VanHoecke, Piet Hoebeke and Johan GJ Vande Walle
 Paediatric Uro/Nephrologic Centre, University Hospital, Ghent, Belgium.
- 102) 2:54 pm **SLEEP DISORDERS IN THERAPY RESISTANT AND/OR DEPENDENT NOCTURNAL ENURESIS.**
Johan Vande Walle¹, Dhondt K², Ann Raes¹, Ann Deguchtanaere¹, Joke Dehoorne¹, Piet Hoebeke¹ and Erik Van Laecke¹
¹Pediatric Uro-Nephrological Centre, ²Pediatrics, UZ Gent, Gent, Belgium.
- 103) 3:00 pm **FREE UROFLOW PATTERNS DO NOT RELATE TO OUTCOME OF INCONTINENCE TREATMENT.**
An M Bael, MD, PhD¹, Hildegard Lax², Herbert Hirche² and Jan D van Gool¹
¹Department of Pediatrics, Pediatric Nephrology, University Hospital Antwerp, University of Antwerp, Antwerp (Edegem), Belgium and ²Institute of Medical Informatics, Biometry and Epidemiology, University of Essen-Duisburg, Essen, Germany.

3:04 pm **Discussion**

3:15 pm **Break, Poster Viewing**

SCIENTIFIC

SESSION: Enuresis Management IModerators: *Charlotte Siggaard, MD, PhD; Yuri Reinberg, MD, FAAP*

- 104) 3:30 pm **DESMOPRESSIN TREATMENT REGIMENS IN MONO- AND NONMONOSYMPTOMATIC ENURESIS: A REVIEW.**
Saladin H Alloussi, MD², Gerd E Mürtz², Silvia Gitzhofer¹, Robert Eichel¹, Christoph Lang¹, Gerhard Strugala², Helmut Madersbacher³ and Schahnaz Alloussi¹
¹Department of Urology, Neunkirchen Hospital, Neunkirchen, Germany; ²Urology, APOGEPHA Arzneimittel GmbH, Dresden, Germany and ³Neurourology Unit, University Hospital, Innsbruck, Austria.
- 105) 3:36 pm **A COMPARISON OF PATIENT (AND PARENT) SATISFACTION WITH DDAVP TREATMENT OF MONOSYMPTOMATIC ENURESIS (ME) WITH THE OBJECTIVE MEDICAL SUCCESS.**
Paul Eggert, MD, Carina Schlueters and Göran Carlsson
Klinik für Allgemeine Pädiatrie, UKSH, Campus Kiel, Kiel, Schleswig –Holstein, Germany.
- 106) 3:42 pm **EVALUATION OF COMBINATION THERAPY FOR MONOSYMPTOMATIC NOCTURNAL ENURESIS.**
Udo Rolle, MD, PhD, Mandy Vogt, Thomas Lehnert and Holger Till
Department of Pediatric Surgery, University of Leipzig, Leipzig, Germany.
- 107) 3:48 pm **POOR COMPLIANCE IN ENURESIS PATIENTS MAY UNDERLIE INSUFFICIENT RESPONSE TO DESMOPRESSIN.**
Johan GJ Vande Walle, MD,¹ Jonathan Evans², Paul Eggert⁴ and Henri Lottmann³
¹UZG Pediatric Nephrology, UZgent, Gent, Belgium, 9000; ²Drip study-group UK, University Hospital, Nottingham, United Kingdom; ³Drip study-group Germany, University Hospital, Nottingham, United Kingdom and ⁴Drip study-group France, Hôpital Necker, France.
- 108) 3:54 pm **TEAM: ANTIDIURETIC TREATMENT OUTCOMES IN ENURETIC CHILDREN USING TAPERING OR ABRUPT TERMINATION.**
Daniela Marschall-Kehrel, MD¹, Diana Devey² and TEAM Group³
¹Urological, Office, Frankfurt, Germany; ²Med. Department, FERRING Arzneimittel, Kiel, Schleswig–Holstein, Germany and ³Multicentric Group, Various, Germany.
- 109) 4:00 pm **RESULTS OF MONOSYMPTOMATIC NOCTURNAL ENURESIS TREATMENT WITH DESMOPRESSIN IN CHILDREN WITH DECREASED OSMOLALITY OF URINE DURING THE NIGHT.**
Michal Maternik, Aleksandra Zurowska, Piotr Czarniak and Magdalena Drozynska-Duklas
Pediatric and Adolescent Nephrology and Hypertension, Medical University, Gdansk, Poland.
- 110) 4:06 pm **EXPLORING RESPONSE TO DESMOPRESSIN IN UNSELECTED ENURETIC PATIENTS.**
Johan GJ Vande Walle¹, Jonathan Evans², Paul Eggert³, Henri Lottman⁴ and Drip study-group⁵
¹Pediatric Nephrology, UZ Gent, Gent, Belgium.
- 4:12 pm **Discussion**

SCIENTIFIC**SESSION: Enuresis Management II**Moderators: *Tom de Jong, MD, PhD; Dawn MacLellan, MD, FAAP*

- 111) 4:27 pm **THE IMPACT ON BURDEN AND QUALITY OF LIFE WHEN BEDWETTING IS TREATED WITH AN ALARM.**

Dana M Barry RN, CPNP¹ and Peggy Ward-Smith²

¹Kidney Center, Children's Mercy Hospital and Clinics, Kansas City, MO and ²Nursing, University of Missouri at Kansas City, Kansas City, MO.

- 112) 4:33 pm **INDOMETHACIN RESISTANCE IN DESMOPRESSIN RESISTANT MONOSYMPTOMATIC ENURESIS NOCTURNA MAY BE RELATED TO RENAL SOLUTE LOAD.**
Mauel Reiner, MD, Ann Raes, Ann De Guchteneere, Joke Dehoorne, Erik Van Laecke, Piet Hoebeke and Johan Vande Walle
Pediatric Uro-Nephrological Centre, UGent, Gent, Belgium.
- 113) 4:39 pm **REBOXETINE IN THERAPY-RESISTANT ENURESIS: A RETROSPECTIVE EVALUATION.**
Elisabet Lundmark, MD and Tryggve Neveus
Dept of Women's and Children's Health, Uppsala University, Uppsala, Sweden.
- 114) 4:45 pm **SIBUTRAMINE MAY OFFER AN ALTERNATIVE OPTION IN THERAPY RESISTANT NOCTURNAL POLYURIA.**
Johan Vande Walle, Ann Raes, Reiner Mauel, Piet Hoebeke and Erik Van Laecke
Pediatric Uro-Nephrological Centre, UZ Gent, Gent, Belgium.
- 4:51 pm **Discussion**
- 115) 4:59 pm **THE USE OF IMPRAMINE FOR REFRACTORY NOCTURNAL ENURESIS.**
Lori L Dyer, MD, Richard Young, Therese C Gardere and Israel Franco
Pediatric Urology, New York Medical College, Valhalla, NY.
- 116) 5:05 pm **POST-TREATMENT BLADDER AND BRAIN FUNCTIONAL CHANGES IN SEVERELY ENURETIC CHILDREN: ELECTRO-ACUPUNCTURE VERSUS COMBINATION THERAPY.**
Mei Diao, PhD, B Med, Chung-Kwong Yeung, MD, MBBS, Biji Sreedhar, PhD, M Sci, Ping-Chung Leung, DSc, MS, MBBS
The Chinese University of Hong Kong, Shatin, NT, Hong Kong SAR, China.
- 117) 5:11 pm **HYPERCALCIURIA IN CHILDREN WITH NOCTURNAL ENURESIS NOCTURNA.**
Ann M Raes, PhD, Joke Dehoorne, Ann Deguchteneere, Reiner Mauel, Erik Van Laecke, Piet Hoebeke and Johan Vande Walle
UZGent Pediatric Urolonephrological Centre, UZ Gent, Gent, Belgium.
- 118) 5:17 pm **DESMOPRESSIN RESISTANCE: ORAL WATER-LOAD BEFORE DESMOPRESSIN ADMINISTRATION REDUCES NOT ONLY ANTI-DIURETIC EFFECT, BUT ALSO TUBULAR REABSORPTION OF SODIUM AND UREUM.**
Johan GJ Vande Walle, PhD, Ann De Guchteneere, Ann Raes, Joke Dehoorne, Erik van Laecke and Piet Hoebeke
Pediatric Uro-Nephrological Centre, UZ Gent, Gent, Belgium.
- 5:23 pm **Discussion**
- 5:30 pm **ICCS Business Meeting**
- 6:00 pm **Adjourn**

MONDAY, OCTOBER 13, 2008

Section on Urology Scientific Program**AAP Section on Urology****H3012A****Hynes Convention Center****7:30 am-4:30 pm****7:30 am Pediatric Urology Basic Science Workshop**Moderator: *John Park, MD, FAAP*Panelists: *Steve Zderic, MD, FAAP*
Linda A Baker, MD, FAAP
*Monica Liebert, PhD***SCIENTIFIC****SESSION: Bladder Obstruction**Moderators: *Craig Peters, MD, FAAP; Guy Bogaert, MD*

- 119) 8:30 am **EARLY VALVE ABLATION CAN REDUCE THE INCIDENCE OF BLADDER DYSFUNCTION IN BOYS WITH POSTERIOR URETHRAL VALVE.**
Mohamed E Youssi Waleed Dawood.
Pediatric Urology Unit, Urology Department, Alexandria University, Alexandria, Egypt.
- 120) 8:36 am **FATE OF PERSISTENT VESICoureTERIC REFLUX AFTER ABLATION OF POSTERIOR URETHRAL VALVES.**
Denis A Cozzi, MD, Simone Frediani, Giorgia Totonelli, Debora Morgante and Francesco Cozzi
Pediatric Surgery, University of Rome "Sapienza," Rome, Italy.
- 121) 8:42 am **SHORT TERM OUTCOMES OF VESICOAMNIOTIC SHUNTING FOR FETAL LOWER URINARY TRACT OBSTRUCTION WITH POOR URINE ELECTROLYTES.**
Douglass B Clayton, MD¹, Joseph E Biggio², David M Kitchens¹, David B Joseph¹ and CD Anthony Herndon¹
¹Department of Surgery, Division of Urology, University of Alabama Birmingham, Birmingham, AL and ²Department of OB/GYN, Division of Maternal Fetal Medicine, University of Alabama Birmingham, Birmingham, AL.
- 122) 8:48 am **CONTINENCE IN PATIENTS UNDERGOING FETAL REPAIR OF THEIR MYELOMENINGOCELE.**
Michael C Carr, MD, PhD
¹Division of Pediatric Urology, The Children's Hospital of Philadelphia, Philadelphia, PA and ²Urology, University of Pennsylvania School of Medicine, Philadelphia, PA.
- 123) 8:54 am **STROMAL LOSS OF TβRII IN BLADDER REDUCES FIBROSIS IN MICE AFTER PARTIAL BLADDER OUTLET OBSTRUCTION.**
Govindaraj Anumanthan, PhD¹, Stacy T Tanaka¹, Cyrus M Adams¹, John C Thomas¹, Marcia L Wills², Simon W Hayward¹, Robert J Matusik¹, Mark C Adams¹, John W Brock III¹, Neil A Bhowmick¹ and John C Pope IV¹
¹Division of Pediatric Urology, Vanderbilt Children's Hospital, Nashville, TN and ²Department of Pathology, Vanderbilt Medical Center, Nashville, TN.
- 124) 8:57 am **RECRUITMENT OF BONE MARROW DERIVED CELLS TO THE BLADDER AFTER BLADDER OUTLET OBSTRUCTION.**
Stacy T Tanaka, MD, John H Makari, John C Thomas, Mark C Adams, John W Brock III, John C Pope IV and Neil A Bhowmick
Division of Pediatric Urology, Vanderbilt Children's Hospital, Nashville, TN.

9:00 am **Discussion**

SCIENTIFIC

SESSION: Neurogenic Bladder

Moderators: *Andrew MacNeily, MD, FAAP; Dominic Frimberger, MD, FAAP*

125) 9:14 am **OUTPATIENT PERINEAL SLING: A NEW OPTION FOR TEENAGE BOYS WITH NEUROGENIC INCONTINENCE.**

Gregory E Dean, MD^{1,2} and David A Kunkle¹

¹Department of Urology, Temple University, Philadelphia, PA and ²Pediatric Urology, Shriners Hospital for Children, Philadelphia, PA.

126) 9:20 am **BLADDER NECK CLOSURE (BNC) IN THE MANAGEMENT OF INTRACTABLE PEDIATRIC URINARY INCONTINENCE.**

Thomas E Novak, MD, Amirali H Salmasi, Yegappan Lakshmanan, Ranjiv I Mathews and John P Gearhart

Brady Urological Institute, Johns Hopkins Medical Institutions, Baltimore, MD.

127) 9:26 am **L-STENT OBVIATES THE NEED FOR SURGICAL REVISION OF STOMAL STENOSIS IN CATHETERIZABLE CHANNELS.**

Jennie Mickelson, MD¹, Theresa Meyer¹, Elizabeth Yerkes¹, Zebold Kerry¹, Bradley P Kropp², William E Kaplan¹ and Earl Cheng¹

¹Pediatric Urology – Children's Memorial Hospital, Northwestern University, Chicago, IL and ²Department of Pediatric Urology, University of Oklahoma Health Sciences Center, Oklahoma City, OK.

128) 9:32 am **THE EFFECT OF CONTINENCE ON QUALITY OF LIFE AND PERCEIVED HEALTH STATUS IN ADOLESCENTS AND YOUNG ADULTS WITH SPINA BIFIDA.**

Vijaya M Vemulakonda, MD,JD¹, William O Walker², Tari D Topolski³ and Richard W Grady¹

¹Division of Pediatric Urology, Children's Hospital and Regional Medical Center, Seattle, WA; ²Department of Pediatrics, Children's Hospital and Regional Medical Center, Seattle, WA and ³Department of Health Services, University of Washington, Seattle, WA.

129) 9:38 am **IN VIVO GENERATION OF FUNCTIONAL TISSUES USING THE INKJET PRINTING TECHNOLOGY FOR PEDIATRIC RECONSTRUCTIVE SURGERY.**

Poster 7

James Yoo, MD, PhD^{1,2}, Tao Xu², Weixin Zhao² and Anthony Atala^{1,2}

¹Urology Department, Wake Forest University, Winston Salem, NC; ²Regenerative Medicine, Wake Forest University, Winston Salem, NC and ³Winston Salem, NC.

130) 9:41 am **BONE MARROW DERIVED STEM AND PROGENITOR CELLS FOR BLADDER TISSUE ENGINEERING.**

Poster 10

Arun K Sharma, PhD^{1,2,4}, Natalie J Fuller¹, Jennifer A Hagerty¹, Ryan R Sullivan¹, Noreen Fulton³, Paul E Cheresch², Partha V Hota¹, Hatim Thaker¹, Daniel A Harrington^{1,2,4} and Earl Y Cheng^{1,2,4}

¹Pediatric Urology, Children's Memorial Hospital, Chicago, IL; ²Urology, Northwestern University Feinberg School of Medicine, Chicago, IL; ³Medicine, University of Illinois at Chicago, Chicago, IL and ⁴Institute of Bionanotechnology in Medicine, Northwestern University, Chicago, IL.

9:44 am **Discussion**

10:00 am **Presentation of Clinical and Basic Science Research Awards**

10:10 am **Break, Poster Viewing**

10:30 am **Panel Discussion: “Pediatric Urology: What I’ve learned over the years”**

Moderator: *Terry Hensle, MD, FAAP*
 Panelists: *Alan Retik, MD, FAAP*
Michael Mitchell, MD, FAAP
George W Kaplan, MD, FAAP
Kenneth Kropp, MD, FAAP

11:25 am **Panel Discussion: “Spina Bifida Care: Future Challenges”**
 Moderator: *David Joseph, MD, FAAP*
 Panelists: The Multidisciplinary Clinic: where we are headed? –
Timothy Brei, MD, FAAP
 Spina Bifida Association and Capitol Hill: The Drive for Research Dollars –
Cindy Brownstein

12:00 pm **Lunch Break**

**SCIENTIFIC
SESSION:**

Minimally Invasive Surgery

Moderators: *Gregory Dean, MD, FAAP; Pasquale Casale, MD, FAAP*

131) 1:00 pm **VESICOSCOPIC CROSS-TRIGONAL URETERAL REIMPLANTATION: EXTENDED EXPERIENCE CONFIRMS EFFICACY OF PROCEDURE.**

Ashay S Patel, MD, Venkata R Jayanthi and Stephen J Canon

Urology, Nationwide Children's Hospital, Columbus, OH.

132) 1:06 pm **HOW MUCH EXPERIENCE IS NEEDED IN PERFORMING A HIGH QUALITY SUTURE ANASTOMOSIS OF THE URETEROPELVIC JUNCTION: A COMPARISON BETWEEN OPEN, CONVENTIONAL LAPAROSCOPIC AND ROBOT-ASSISTED TECHNIQUES.**

Carlo C Passerotti, MD, Ana–Maria AMS Passerotti, Alan B Retik and Hiep T Nguyen

Department of Urology, Children's Hospital Boston, Harvard Medical School, Boston, MA.

133) 1:12 pm **A COMPARISON OF LAPAROSCOPIC DISMEMBERED PYELOPLASTY AND LAPAROSCOPIC VASCULAR HITCH PYELOPLASTY.**

Nicholas G Cost, MD, Joshua M Stern, Linda A Baker and Duncan T Wilcox

Department of Urology, University of Texas – Southwestern Medical Center and Children's Medical Center at Dallas, Dallas, TX.

1:18 pm **Discussion**

**SCIENTIFIC
SESSION:**

Stones

Moderators: *Eugene Minevich, MD, FAAP; Walid Farhat, MD, FAAP*

134) 1:25 pm **THE UTILITY OF US IN THE EVALUATION OF CHILDREN WITH UROLITHIASIS: A PROSPECTIVE STUDY COMPARING CT AND US.**

Carlo C Passerotti, MD, PhD, Andres D Silva Weissbluth, Cynthia L Schoettler, Jeanne Chow, Jeannette Perez-Rossello, Alan B Retik and Hiep T Nguyen

Urology, Children's Hospital Boston, Harvard Medical School, Boston, MA.

135) 1:31 pm **EXTRACORPOREAL SHOCK WAVE LITHOTRIPSY (ESWL) IN PREPUBERTAL CHILDREN: 22 YEAR EXPERIENCE OF A SINGLE INSTITUTION WITH A SINGLE LITHOTRIPTOR.**

Ezekiel H Landau, MD, FAAP¹, Dov Pode², Amos Shapiro², Shimon Meretyk², Giora Katz², Ran Katz², Mordechai Duvdevani², Benjamin Hardak¹, Helio Cipele¹, Ofer Z Shenfeld² and Ofer N

Gofrit²

¹Pediatric Urology Unit, Hadassah Hebrew University Medical Center, Jerusalem, Israel and

²Urology, Hadassah Hebrew University Medical Center, Jerusalem, Israel.

- 136) 1:37 pm **EXTRACORPOREAL SHOCK WAVE LITHOTRIPSY FOR RENAL CALCULI IN CHILDREN: IS IT THE BEST THERAPY?**
Romano T DeMarco, MD, FAAP, Heidi A Stephany, Thomas Champion, John M Gatti and J Patrick Murphy
 Division of Pediatric Urology, Children's Mercy Hospital, Kansas City, MO.
- 137) 1:43 pm **RECURRENCE OF PEDIATRIC URINARY STONE DISEASE.**
Nicol Corbin Bush, MD¹, Benjamin Brown¹, Aaron Gingrich¹ and Linda A Baker¹
¹Pediatric Urology, Children's Medical Center, Dallas, TX and ²Finance, Children's Medical Center, Dallas, TX.
- 138) 1:49 pm **PEDIATRIC URETEROSCOPIC MANAGEMENT OF INTRARENAL CALCULI.**
Stacy T Tanaka, MD, John H Makari, John C Pope IV, Mark C Adams, John W Brock III and John C Thomas
 Division of Pediatric Urology, Monroe Carell Jr. Vanderbilt Children's Hospital, Nashville, TN.
- 1:55 pm **Discussion**
- SCIENTIFIC SESSION:** **Reflux II**
 Moderators: *Saul Greenfield, MD, FAAP; Venkata Jayanthi, MD, FAAP*
- 139) 2:06 pm **DYNAMIC HYDRODISTENTION GRADING AND TREATMENT OF NON-REFLUXING HIGH-RISK URETERS REDUCES NEW CONTRALATERAL VESICoureTERAL REFLUX.**
Wolfgang H Cerwinka, MD, Hal C Scherz and Andrew J Kirsch
 Pediatric Urology, Children's Healthcare of Atlanta, Atlanta, GA.
- 140) 2:12 pm **MULTIVARIATE ANALYSIS OF RISK FACTORS FOR URINARY TRACT INFECTIONS AFTER ENDOSCOPIC INJECTION OF DEXTRANOMER-HYALURONIC ACID.**
Erica Traxel, MD, William DeFoor, Pramod Reddy, Curtis Sheldon and Eugene Minevich
 Pediatric Urology, Cincinnati Children's Hospital, Cincinnati, OH.
- 141) 2:18 pm **DOES SUCCESSFUL ENDOSCOPIC CORRECTION OF VESICoureTERAL REFLUX PROVIDE KIDNEY PROTECTION?**
Ala Natsheh, MD, Alon Fridmans, Dmitry Koulikov, Ofer Z Shenfeld, Amicur Farkas and Boris Chertin
 Pediatric Urology Unit, Shaare Zedek Medical Center, Jerusalem, Israel.
- 2:24 pm **Discussion**
- 2:30 pm **Panel Discussion: "Academic Pediatric Urology: Where do we go from here?"**
 Moderator: *Douglas A Husmann, MD, FAAP*
 Panelists: *Linda D Shortliffe, MD, FAAP*
John Brock, MD, FAAP
Jennifer Hagerty, DO
- 3:15 pm **Break, Poster viewing**

SCIENTIFIC**SESSION: Vagina**

Moderators: *Gordon McLorie, MD, FAAP; Elizabeth Yerkes, MD, FAAP*

- 142) 3:30 pm **BLADDER AFTER TOTAL UROGENITAL MOBILIZATION SURGERY FOR CONGENITAL ADRENAL HYPERPLASIA AND CLOACA: DOES IT BEHAVE THE SAME?**
Daniela Camanni, MD¹, Antonio Zaccara¹, Maria Luisa Capitanucci¹, Barbara Daniela Iacobelli², Giovanni Mosiello¹ and Mario De Gennaro¹
¹Urology and Nephrology, Bambino Gesù Children's Hospital, Rome, Italy and ²Neonatology, Bambino Gesù Children's Hospital, Rome, Italy.
- 143) 3:36 pm **LONG-TERM OUTCOME OF VAGINOPLASTY WITH THE BILATERAL LABIOSCROTAL FLAP.**
Kimihiko Moriya, MD, Hiroshi Higashiyama, Michiko Nakamura, Takahiko Mitsui, Hiroshi Tanaka and Katsuya Nonomura
 Urology, Hokkaido University Graduate School of Medicine, Sapporo, Japan.
- 144) 3:42 pm **ENDOSCOPIC ABLATION OF VAGINAL SEPTA: AN ALTERNATIVE TO OPEN RESECTION IN THE PREPUBERTAL PATIENT.**
Margaret T Roth, MD¹, Gerald Mingin¹, Nafisa Dharamsi², Karen Psooy² and Martin Koyle³
¹Surgery, Division of Urology, University of Vermont, Vermont Children's Hospital, Burlington, VT; ²Surgery, Division of Urology, University of Manitoba, Winnipeg Children's Hospital, Winnipeg, MB, Canada and ³Urology, University of Washington, Children's Hospital, Seattle, WA.
- 3:48 pm **Discussion**

SCIENTIFIC**SESSION: Scrotom/Inguinal Canal**

Moderators: *David Diamond, MD, FAAP; William Kennedy, MD, FAAP*

- 145) 3:56 pm **POST VARICOCELECTOMY RETROGRADE VENOUS FLOW IS COMMON: WHAT IS ITS SIGNIFICANCE?**
Miguel A Mercado, BS, Stephen A Poon, G Joel DeCastro and Kenneth I Glassberg
 Division of Pediatric Urology, Morgan Stanley Children's Hospital of New York-Presbyterian Hospital, Columbia University, New York, NY.
- 146) 4:02 pm **TESTICULAR ASYMMETRY IN ADOLESCENTS WITH PALPABLE VARICOCELE MANAGED EXPECTANTLY.**
Stephen A Poon, MD¹, Miguel A Mercado¹, Carl K Gjertson², G Joel DeCastro¹ and Kenneth I Glassberg¹
¹Urology, Columbia University Medical Center, New York, NY, and ²Surgery, University of Connecticut Health Center, Farmington, CT.
- 147) 4:08 pm **INFANT COMMUNICATING HYDROCELES: DO THEY NEED IMMEDIATE REPAIR OR MIGHT SOME CLINICALLY RESOLVE?**
Michelle E Koski, MD¹, John H Makari¹, Mark C Adams¹, John C Thomas¹, Romano T DeMarco², John C Pope IV¹ and John W Brock III¹
¹Division of Pediatric Urology, Vanderbilt Children's Hospital, Nashville, TN and ²Division of Pediatric Urology, Children's Mercy Hospital, Kansas City, MO.
- 148) 4:14 pm **A LONG-TERM PROSPECTIVE ANALYSIS OF PEDIATRIC UNILATERAL INGUINAL HERNIAS: SHOULD LAPAROSCOPY OR ANYTHING ELSE INFLUENCE THE MANAGEMENT OF THE CONTRALATERAL SIDE?**

Preston Smith, MD and Michael Maddox
Department of Surgery, East Tennessee Children's Hospital, Knoxville, TN.

4:20 pm **Discussion**

4:30 pm **Adjourn**

MONDAY, OCTOBER 13, 2008

Section on Urology Scientific Program
International Children's Continence Society
H3012B
Hynes Convention Center
8:15 am-1:00 pm

8:15 am **Reports from the Standardization Committees of the ICCS**

Moderators: *C K Yeung, MD; Tryggve Neveus, MD, PhD*

9:10 am **Panel Discussion: New Horizons in the Management of Intractable Incontinence (2nd line therapy)**

Moderators: *Jens Christian Djurhuus, MD, Dr. Med. Sci; Paul Austin, MD, FAAP*

Panelists: Supra-tentorial Therapy – *Israel Franco, MD, FAA*
Neuromodulation – *Yuri Reinberg, MD, FAAP*
Nephrogenic Approaches – *Johan Vande Walle, MD*
Pharmacotherapy – *Tryggve Neveus, MD, PhD*

10:10 am **Break, Poster Viewing**

SCIENTIFIC SESSION:

Intractable Incontinence I

Moderators: *Piet B Hoebeke, MD, PhD; Stephen Koff, MD, FAAP*

149) 10:30 am **RANDOMIZED PLACEBO CONTROLLED STUDY OF TRANSCUTANEOUS ELECTRICAL NERVE STIMULATION IN REFRACTORY DAYTIME URINARY URGE INCONTINENCE IN CHILDREN.**

Soren Hagstroem MD, PhD¹, Birgitte Mahler¹, Bodil Madsen², Jens C Djurhuus² and Soren Rittig²
¹Clinical Institute, University of Aarhus, Aarhus N, Denmark and ²Department of Pediatrics, Aarhus University Hospital, Skejby, Aarhus N, Denmark.

150) 10:36 am **LONG-TERM EFFICACY OF PERCUTANEOUS TIBIAL NERVE STIMULATION (PTNS) TO TREAT BLADDER DYSFUNCTION IN CHILDREN.**

Maria Luisa Capitanucci MD, Daniela Camanni, Francesca Demelas, Giovanni Mosiello, Antonio Zaccara and Mario De Gennaro
Nephrology and Urology, Urodynamic Unit, Children's Hospital Bambino Gesù, Rome, Italy.

151) 10:42 am **IMIPRAMINE FOR REFRACTORY PEDIATRIC OVERACTIVE BLADDER SYNDROME.**

Richard Young, MD¹, Eric O Kwon², Therese Collett¹, Edward Reda¹ and Israel Franco¹
¹Pediatric Urology, New York Medical College, Valhalla, NY and ²Urology, Lenox Hill Hospital, New York, NY.

152) 10:48 am **PROSPECTIVE OPEN-LABEL DOUBLE ANTICHOLINERGIC THERAPY FOR REFRACTORY OVERACTIVE BLADDER IN CHILDREN.**

Stephane Bolduc MD, FRCSC, Katherine Moore, Sylvie Lebel, Pascale Lamontagne and Micheline

Hamel

Division of Urology, University Laval, Quebec City, QC, Canada.

- 153) 10:54 am **INFLUENCE OF PELVIC FLOOR MUSCLE EXERCISES ON THE FULL SPECTRUM THERAPY FOR NOCTURNAL ENURESIS: A RANDOMIZED CONTROLLED STUDY**
Marijke Van Kampen, Hilde Lemkens, Anneleen Deschamps and Guy Bogaert
Faculty of Kinesiology and Rehabilitation Science, Catholic University, Leuven, Belgium.
- 11:00 am **Discussion**
- 154) 11:11 am **SAFETY AND EFFICACY OF SOLIFENACIN IN THE TREATMENT OF THERAPY RESISTANT OVERACTIVE BLADDER OF CHILDHOOD.**
Piet B Hoebeke, MD, PhD¹, Erik Van Laecke¹, Ann Raes², Ann De Guchteneere², Joke De Hoorne², Jan De Pooter¹ and Johan Vande Walle²
¹Urology, Ghent University Hospital, Gent, Belgium and ²Paediatric Nephrology, Ghent University Hospital, Ghent, Belgium.
- 155) 11:17 am **A MULTI-CENTER CONTROLLED TRIAL OF STANDARD TREATMENT, PLACEBO, OXYBUTYNIN, BLADDER TRAINING, AND PELVIC FLOOR TRAINING IN CHILDREN WITH FUNCTIONAL INCONTINENCE.**
Jan D van Gool, MD, PhD¹, Tom P de Jong¹, Pauline Winkler-Seinstra¹, Tytti Tamminen-Möbius², Hildegard Lax³, Herbert Hirche³, Rien J Nijman⁴, Kelm Hjalmas⁵, Ulf Jodal⁵, Hannsjorg Bachman⁶, Piet Hoebeke⁷, Johan Vandewalle⁷, Joachim Misselwitz⁸, Ulrike Joh⁸ and An M Bael⁹
¹Pediatric Renal Center, Wilhelmina Children's Hospital, University Medical Center Utrecht, Utrecht, Netherlands; ²Department of Pediatrics, University Hospital Essen, University of Essen-Duisburg, Essen, Germany; ³Institute for Medical Informatics, Biometry and Epidemiology, University of Essen-Duisburg, Essen, Germany; ⁴Department of Urology, University Medical Center Groningen, Groningen, Netherlands; ⁵Pediatric Urologic Center, Queen Silvia Children's Hospital, Sahlgrenska Academy at Gothenburg University, Gothenburg, Sweden; ⁶Department of Pediatrics, Zentralkrankenhaus Links der Weser, Bremen, Germany; ⁷Pediatric Urologic Center, University Hospital Ghent, Ghent, Belgium; ⁸Department of Pediatric, Antwerp University Children's Hospital Jussuf Ibrahim, Jena, Germany and ⁹Department of Pediatrics, Pediatric Nephrology, University Hospital Antwerp, University of Antwerp, Antwerp (Edegem), Belgium.
- 156) 11:23 am **EFFICACY AND TOLERABILITY OF PROPIVERINE IN CHILDREN SUFFERING FROM OVERACTIVE BLADDER AND URINARY INCONTINENCE.**
Daniela Marschall-Kehrel¹, Cornelia Feustel², Charlotta Persson de Geeter³, Maximilian Stehr⁴, Christian Radmayr⁵, Ulla Sillen⁶ and Gerhard Strugala²
¹Urology, Private Practice, Frankfurt/Main, Germany; ²Clinical Development, APOGEPHA Arzneimittel GmbH, Dresden, Germany; ³Paediatric Urology, Klinikum Kassel GmbH, Kassel, Germany; ⁴Paediatric Surgery, Dr. v Haunersches Kinderspital, Ludwig-Maximilians-Universität, Munich, Germany; ⁵Paediatric Urology, Universitätskliniken LKH Innsbruck, Innsbruck, Austria and ⁶Paediatric Urology, Queen Silvia Children's Hospital, Gothenburg, Sweden.
- 157) 11:29 am **EXTENDED EXPERIENCE WITH THE USE OF BOTULINUM TOXIN A IN CHILDREN WITH OVERACTIVE BLADDER (OAB).**
Wolter De Waard, MD¹, Erik Van Laecke¹, Ann Raes², Joke Dehoorne², Johan Vande Walle² and Piet Hoebeke¹
¹Urology, Ghent University Hospital, Belgium and ²Paediatric Nephrology, Ghent University Hospital, Belgium.
- 11:35 am **Discussion**

SCIENTIFIC**SESSION: Intractable Incontinence II**

Moderators: *Joseph Ortenberg, MD, FAAP; Alexander von Gontard, MD*

- 158) 11:46 am **BOTULINUM A INJECTIONS AS A LAST RESORT FOR URINARY RETENTION.**
Ala Abdo, Diego Barrieras, Julie Franc–Guimond and Anne–Marie Houle
 Department of Surgery, Division of Urology, CHU Sainte–Justine, Montréal, QC, Canada.
- 159) 11:52 am **ALTERATION IN COGNITIVE FUNCTION FOLLOWING SURGICAL REDUCTION OF BLADDER CAPACITY: AN ANIMAL MODEL.**
CK Yeung, MD, Biji Sreedhar, PhD, YK Ng, PhD, Alex Yeung MSc, Maggie Kwan, and YM Shi, PhD
 Division of Pediatric Surgery & Pediatric Urology, Department of Surgery, The Chinese University of Hong Kong, Hong Kong, China.
- 160) 11:58 am **THE ROLE OF PELVIC FLOOR RETRAINING FOR MANAGING GIGGLE INCONTINENCE.**
Ingride Richardson, MD² and Lane S Palmer¹
¹Pediatric Urology, Schneider Children's Hospital of the North Shore-Long Island Jewish Health System, Lake Success, NY and ²Urology, Beth Israel Medical Center, New York, NY.
- 161) 12:04 pm **THE USE OF METHYLPHENIDATE FOR MANAGEMENT OF GIGGLE INCONTINENCE.**
Amanda K Berry, MSN, CRNP¹, Stephen Zderic^{1,2} and Michael C Carr^{1,2}
¹Division of Urology, The Children's Hospital of Philadelphia, Philadelphia, PA and ²School of Medicine, University of Pennsylvania, Philadelphia, PA.
- 162) 12:10 pm **THE LONG–TERM EFFECTS OF LUTS TREATMENT IN CHILDREN.**
Marianne Vijverberg¹, Eva Stortelder¹, Leatitia de Kort² and Tom de Jong²
¹Medical Psychology, University Medical Center Utrecht, Netherlands and ²Pediatric Urology, University Medical Center Utrecht, Netherlands.
- 12:16 pm **Discussion**
- 163) 12:27 pm **PRIMARY BLADDER NECK DYSFUNCTION: AN "ADULT" ENTITY THAT SHOULD NOT BE OVER-LOOKED IN CHILDHOOD AND ADOLESCENCE.**
Kenneth I. Glassberg, MD, FAAP¹, Andrew J. Combs¹, Mark Horowitz², and Richard J. Macchia².
¹Urology, Columbia University Medical Center Morgan Stanley Children's Hospital, New York, NY, and ²Urology, SUNY Downstate Medical Center, Brooklyn, NY.
- 164) 12:33 pm **PREVALENCE OF INCONTINENCE IN THE CKiD COHORT AND ITS EFFECT ON HEALTH RELATED QUALITY OF LIFE.**
Jennifer L Dodson, MD¹, Silvia E Cohn², Stephen R Cole², Arlene C Gerson³, Bradley A Warady⁴ and Susan L Furth³
¹Urology, Johns Hopkins Medical Institutions, Baltimore, MD; ²Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD; ³Pediatrics, Division of Pediatric Nephrology, Johns Hopkins Medical Institutions, Baltimore, MD and ⁴Pediatrics, Division of Pediatric Nephrology, University of Missouri-Kansas City School of Medicine, Kansas City, MO.
- 165) 12:39 pm **HEALTH–RELATED QUALITY OF LIFE IN CHILDREN AND ADOLESCENTS WITH FUNCTIONAL URINARY INCONTINENCE: AN EVALUATION USING THE DISABKIDS–12 QUESTIONNAIRE.**
Christian J Bachmann, MD¹, Ellen Janhsen², Elisabeth Gaebel³, Heike Sambach⁴, Christian

Steuber², Dirk Lehr⁵, Alexander von Gontard⁴ and Hannsjoerg Bachmann²

¹Department of Child and Adolescent Psychiatry, University Hospital Giessen and Marburg, Marburg, Germany; ²Department of Pediatrics, Klinikum Links der Weser gGmbH, Bremen, Germany; ³Department of Pediatric Nephrology, University Duisburg-Essen, Essen, Germany; ⁴Department of Child and Adolescent Psychiatry, University Hospital Homburg, Homburg/Saar, Germany and ⁵Department of Medical Psychology, Philipps-University Marburg, Marburg, Germany.

166) 12:45 pm **CROSS CULTURAL ADAPTATION, RELIABILITY AND VALIDITY OF THE GERMAN VERSION OF THE PEDIATRIC INCONTINENCE QUESTIONNAIRE (PINQ) FOR MEASURING HEALTH RELATED QUALITY-OF-LIFE IN CHILDREN WITH URINARY INCONTINENCE.**

Christian J Bachmann, MD¹, Ellen Janhsen², Elisabeth Gaebel³, Heike Sambach⁴, Christian Steuber², Dirk Lehr⁵, Alexander von Gontard⁴ and Hannsjoerg Bachmann²

¹Department of Child and Adolescent Psychiatry, University Hospital Giessen and Marburg, Marburg, Germany; ²Department of Pediatrics, Klinikum Links der Weser gGmbH, Bremen, Germany; ³Department of Pediatric Nephrology, University Duisburg-Essen, Essen, Germany; ⁴Department of Child and Adolescent Psychiatry, University Hospital Homburg, Homburg/Saar, Germany and ⁵Department of Medical Psychology, Philipps-University Marburg, Marburg, Germany.

12:51 pm **Discussion**

1:00 pm **Adjourn**

POSTERS – AAP BASIC SCIENCE

- 1) **STROMAL LOSS OF TβRII IN BLADDER REDUCES FIBROSIS IN MICE AFTER PARTIAL BLADDER OUTLET OBSTRUCTION.**
Govindaraj Anumanthan, PhD¹, Stacy T Tanaka¹, Cyrus M Adams¹, John C Thomas¹, Marcia L Wills², Simon W Hayward¹, Robert J Matusik¹, Mark C Adams¹, John W Brock III¹, Neil A Bhowmick¹ and John C Pope IV¹
¹Division of Pediatric Urology, Vanderbilt Children's Hospital, Nashville, TN and ²Department of Pathology, Vanderbilt Medical Center, Nashville, TN.
- 2) **RECRUITMENT OF BONE MARROW DERIVED CELLS TO THE BLADDER AFTER BLADDER OUTLET OBSTRUCTION.**
Stacy T Tanaka, MD, John H Makari, John C Thomas, Mark C Adams, John W Brock III, John C Pope IV and Neil A Bhowmick
Division of Pediatric Urology, Vanderbilt Children's Hospital, Nashville, TN.
- 3) **BLADDER HYPERTROPHY RESULTING FROM PARTIAL OUTLET OBSTRUCTION IS AMELIORATED BY SILDENAFIL IN A TGF-β-DEPENDENT MECHANISM.**
Stacy T Tanaka, MD¹, Christopher E Wolter¹, Magaly Martinez-Ferrer¹, Consolate Uwamariya¹, Juan M Iturregui¹, Benois de Crombrughe², Mark C Adams¹, John W Brock III¹, John C Pope IV¹, Roger R Dmochowski¹ and Neil A Bhowmick¹
¹Division of Pediatric Urology, Vanderbilt Children's Hospital, Nashville, TN and ²Department of Molecular Genetics, M.D. Anderson Cancer Center, Houston, TX.
- 4) **ATORVASTATIN AMELIORATES TUBULOINTERSTITIAL FIBROSIS AND PROTECTS RENAL FUNCTION IN CHRONIC PARTIAL URETERAL OBSTRUCTION.**
John P Fitzgerald, MD, SY Chou, Israel Franco, Unni MM Mooppan, Hong Kim, Rajiv Saini and Frederick A Gulmi
¹Urology, Brookdale University Hospital, Brooklyn, NY and ²Pediatric Urology, Westchester County Medical Center, Valhalla, NY.
- 5) **THE LOSS OF BONE MORPHOGENIC PROTEIN-7 (BMP-7) CONTRIBUTES TO THE DEVELOPMENT OF RENAL FIBROSIS FOLLOWING OBSTRUCTIVE UROPATHY.**
Scott R Manson, PhD¹, Rob A Niederhoff¹, Keith A Hruska², Douglas E Coplen¹ and Paul F Austin¹
¹Department of Pediatric Urology, Washington University and ²Department of Pediatric Nephrology, Washington University, Saint Louis, MO.
- 6) **TISSUE ENGINEERING OF A GENITOURINARY TUBULAR TISSUE GRAFT RESISTANT TO SUTURING AND HIGHT INTERNAL PRESSURES.**
Stephane Bolduc, MD, FRCSC¹, Martine Magnan¹, Robert Gauvin¹, Jean Dube¹, Assaad El-Hakim³ and Diego Barrieras²
¹Department of Surgery, Laboratoire d'Organogenese Experimentale, University Laval, Quebec City, QC, Canada; ²Department of Surgery, University of Montreal, Montreal, QC, Canada and ³Department of Surgery, McGill University, Montreal, QC, Canada.
- 7) **IN VIVO GENERATION OF FUNCTIONAL TISSUES USING THE INKJET PRINTING TECHNOLOGY FOR PEDIATRIC RECONSTRUCTIVE SURGERY.**
James Yoo, MD, PhD^{1,2}, Tao Xu², Weixin Zhao² and Anthony Atala^{1,2}
¹Urology Department, Wake Forest University, Winston Salem, NC; ²Regenerative Medicine, Wake Forest University, Winston Salem, NC and ³Winston Salem, NC.
- 8) **URINARY BIOMARKERS OF URETERAL OBSTRUCTION ARE DIFFERENT FOR INFANTS AND CHILDREN.**
Craig A Peters, MD¹, Susan C Kiley¹, Susan C Wright², Fern G Campbell¹ and Robert L Chevalier¹

¹Urology and Pediatrics, University of Virginia, Charlottesville, VA and ²Panorama Research, Mountain View, CA.

- 9) **Tbx3 EXPRESSION PATTERNS IN THE DEVELOPING GENITOURINARY SYSTEM.**
Siam Oottamasathien, MD¹, Deborah Frank², Michiko Takahashi², Kirk Thomas² and Anne Moon²
¹Pediatric Urology, University of Utah, Salt Lake City, UT and ²Pediatrics and Human Genetics, University of Utah, Salt Lake City, UT.
- 10) **BONE MARROW DERIVED STEM AND PROGENITOR CELLS FOR BLADDER TISSUE ENGINEERING.**
Arun K Sharma, PhD^{1,2,4}, Natalie J Fuller¹, Jennifer A Hagerty¹, Ryan R Sullivan¹, Noreen Fulton³, Paul E Cheres², Partha V Hota¹, Hatim Thaker¹, Daniel A Harrington^{1,2,4} and Earl Y Cheng^{1,2,4}
¹Pediatric Urology, Children's Memorial Hospital, Chicago, IL; ²Urology, Northwestern University Feinberg School of Medicine, Chicago, IL; ³Medicine, University of Illinois at Chicago, Chicago, IL and ⁴Institute of Bionanotechnology in Medicine, Northwestern University, Chicago, IL.
- 11) **BASIC FIBROBLAST GROWTH FACTOR (bFGF) COULD BE A KEY REGULATOR OF MATRIX REMODELING AND HYPERSENSITIVITY IN OBSTRUCTED BLADDER.**
Masaaki Imamura¹, Akihiro Kanematsu¹, Shingo Yamamoto², Hiromitsu Negoro¹, Isao Kanatani¹, Yasuhiko Tabata³ and Osamu Ogawa¹
¹Department of Urology, Kyoto University Graduate School of Medicine, Kyoto, Japan; ²Department of Urology, Hyogo Medical College, Nishinomiya, Japan and ³Department of Biomaterials, Institute for Frontier Medical Sciences, Kyoto University, Kyoto, Japan.
- 12) **TOLL LIKE RECEPTOR 4: A NOVEL SIGNALING PATHWAY DURING RENAL FIBROGENESIS.**
Matthew T Campbell, MD, Karen L Hile, Hongji Zhang, Hiroshi Asanuma and Kirstan K Meldrum
Department of Urology, Indiana University School of Medicine, Indianapolis, IN.
- 13) **GENE EXPRESSION PROFILING OF HUMAN STEM CELLS FOR CONTROLLED DIFFERENTIATION AND DEVELOPMENT.**
Shay Soker, PhD^{1,2}, Jason D Hipp², Minhaj Siddiqui², Jennifer A Hipp², Steve Hodges¹ and Anthony Atala^{1,2}
¹Urology Department, Wake Forest University, Winston Salem, NC; ²Regenerative Medicine, Wake Forest University, Winston Salem, NC; ³Winston Salem, NC and ⁴Winston Salem, NC.
- 14) **CORRELATION OF SEMEN ANALYSIS WITH ALTERATIONS OF CgRP, INSL3, AND HOXD13 GENES IN CRYPTORCHIDISM.**
Thomas F Kolon, MD,FAAP, Pasquale Casale, Stephen A Zderic, Michael C Carr and Howard M Snyder
Division of Urology, Children's Hospital of Philadelphia, University of Pennsylvania School of Medicine, Philadelphia, PA.
- 15) **A NOVEL PEPTIDE THAT STIMULATES THE BMP-7 PATHWAY PROMOTES RENAL RECOVERY FOLLOWING THE RELIEF OF URETERAL OBSTRUCTION.**
Scott R Manson, PhD¹, Robert A Niederhoff¹, Keith A Hruska², Douglas E Copen¹ and Paul F Austin¹
¹Department of Pediatric Urology, Washington University and ²Department of Pediatric Nephrology, Washington University, Saint Louis, MO.
- 16) **DIFFERENTIATION OF HUMAN BONE MARROW STEM CELLS INTO SMOOTH MUSCLE FOR URINARY TRACT RECONSTRUCTION.**
Yuanyuan Zhang, MD², Hong Tian², Ben Morel², Yan Liu² and Anthony Atala^{1,2}

¹Urology Department, Wake Forest University, Winston Salem, NC; ²Regenerative Medicine, Wake Forest University, Winston Salem, NC and ³Winston Salem, NC.

- 17) **EMBRYONIC STEM CELL DIFFERENTIATION INTO SMOOTH MUSCLE: MODULATION BY STRUCTURAL CONFORMATION OF TYPE I COLLAGEN.**
Carlos R Estrada, MD¹, Rosalyn M Adam¹, George Q Daley² and Joshua R Mauney¹
¹Urology, Children's Hospital Boston & Harvard Medical School, Boston, MA and
²Hematology/Oncology & Harvard Stem Cell Institute, Children's Hospital Boston & Harvard Medical School, Boston, MA.
- 18) **AQUAPORIN EXPRESSION IN HUMAN UROTHELIUM – ROLE IN WATER AND SOLUTE TRANSPORT ACROSS THE UROTHELIUM?**
Peter C Rubenwolf, MD¹, Nikolaos T Georgopoulos¹, Lisa A Clements¹, David FM Thomas², Sally Feather³, Philip Holland⁴ and Jennifer Southgate¹
¹Jack Birch Unit for Molecular Carcinogenesis, University of York, York, United Kingdom;
²Department of Paediatric Surgery, St James's University Hospital, Leeds, United Kingdom;
³Department of Paediatric Nephrology, St James's University Hospital, Leeds, United Kingdom and ⁴Department of Paediatrics, St James's University Hospital, Leeds, United Kingdom.
- 19) **TIMING OF ANDROGEN ADMINISTRATION HAS DIFFERENT EFFECTS ON FERTILITY AS WELL AS PENILE SIZE IN NORMAL MALE RATS.**
Hyeyoung Lee, MD, Mae Hwa Jin, Hyo Jin Kang, Chang Hee Hong and Sang Won Han
Department of Urology, Yonsei University College of Medicine, Seoul, Korea.
- 20) **EFFECTS OF ATORVASTATIN ON RENAL EXPRESSION OF CYCLOOXYGENASE IN COMPLETE UNILATERAL URETERAL OBSTRUCTION (UO) IN THE RAT.**
John P Fitzgerald, MD, SY Chou, Israel Franco, MD, Unni MM Mooppan, Hong Kim, Rajiv Saini and Frederick A Gulmi
¹Urology, Brookdale University Hospital, Brooklyn, NY and ²Pediatric Urology, Westchester County Medical Center, Valhalla, NY.
- 21) **PRESSURE AND EGF ACTIVATE EPIDERMAL GROWTH FACTOR RECEPTOR (EGFR) LEADING TO THE INDUCTION OF INOS VIA NFKB AND STAT3 IN HUMAN PROXIMAL TUBULE CELLS (HKC-8).**
Nalini V Broadbelt, MA¹, Jie Chen², Dix P Poppas² and Diane Felsen²
¹Pharmacology/Urology, Weill Cornell Medical College, New York, NY and ²Urology, Weill Cornell Medical College, New York, NY.
- 22) **DIFFERENTIATION OF HUMAN BONE MARROW STROMAL CELLS INTO CELLS WITH A UROTHELIAL PHENOTYPE: POTENTIAL USE IN URINARY TRACT RECONSTRUCTION FOR BLADDER CANCER.**
Yuanyuan Zhang, MD^{1,2}, Elena McNeil², Ken Tian² and Anthony Atala^{1,2}
¹Urology Department, Wake Forest University, Winston Salem, NC; ²Regenerative Medicine, Wake Forest University, Winston Salem, NC and ³Winston Salem, NC.
- 23) **DO BIOENGINEERED BLADDER GRAFTS SURVIVE LONG-TERM OR ARE THEY REPLACED BY HOST CELLS? A NOVEL TRANSGENDER BLADDER WALL TRANSPLANT MODEL.**
Stacy T Tanaka, MD, Jonathan A Eandi, Karen N Leung and Eric A Kurzrock
Department of Urology, University of California Davis School of Medicine, Sacramento, CA.
- 24) **WNT/β-CATENIN SIGNALING CONTROLS UROTHELIUM DIFFERENTIATION.**
Glenn M Cannon, Jr., MD, Patricio C Gargollo, Gerald C Mingin and X Sean Li
Urology, Children's Hospital, Boston, Boston, MA.

- 25) **IN VITRO GENERATION OF 3-DIMENSIONAL RENAL STRUCTURES FOR CELL-BASED THERAPY IN CHILDREN.**
James Yoo, MD, PhD^{1,2}, Kathryn Stern², Kenneth Gyabaah², Tamer Aboushwareb², Yuan Yuan Zhang² and Anthony Atala^{1,2}
¹Urology Department, Wake Forest University, Winston Salem, NC; ²Regenerative Medicine, Wake Forest University, Winston Salem, NC; ³Winston Salem, NC and ⁴Winston Salem, NC.
- 26) **GENOMIC GUIDED STEM CELL DIFFERENTIATION UROLOGIC TISSUE REGENERATION APPLICATIONS.**
James Yoo, MD, PhD^{1,2}, Tao Xu², Jason Hipp², Mark Van Dyke² and Anthony Atala^{1,2}
¹Urology Department, Wake Forest University, Winston Salem, NC; ²Regenerative Medicine, Wake Forest University, Winston Salem, NC and ³Winston Salem, NC.
- 27) **MICRODIALYSIS FOR DETECTION OF POSTOPERATIVE ISCHEMIA IN EXPERIMENTAL RENAL TRANSPLANTATION.**
Anna K Keller¹, Troels M Jorgensen², Kristian Ravlo¹, Torben K Nielsen¹, LH Olsen² and Lars B Stolle³
¹Institute of Clinical Medicine, Aarhus University, Aarhus, Denmark; ²Department of Urology, Aarhus University Hospital, Aarhus, Denmark and ³Department of Plastic Surgery, Aarhus University Hospital, Aarhus, Denmark.
- 28) **ANGIOTENSIN-II REGULATES UROTHELIAL APOPTOSIS AND FIBROSIS IN RAT PARTIAL BLADDER OUTLET OBSTRUCTION.**
Govindaraj Anumanthan, PhD¹, John H Makari¹, Stacy T Tanaka¹, Cyrus M Adams¹, John C Thomas¹, Marcia L Wills², Neil A Bhowmick¹, Simon W Hayward¹, Robert J Matusik¹, Mark C Adams¹, John W Brock III¹ and John C Pope IV¹
¹Division of Pediatric Urology, Vanderbilt Children's Hospital, Nashville, TN and ²Department of Pathology, Vanderbilt Medical Center, Nashville, TN.

POSTERS – AAP CLINICAL RESEARCH

- 29) **THE NORMAL URINARY PROTEOME PROFILE VARIES BY AGE DURING THE FIRST YEAR OF LIFE.**
Hrair-George O Mesrobian, MD, MSc¹, Cheryl A Kaucic¹ and Bassam T Wakim²
¹Pediatric Urology, Medical College and Children's Hospital of Wisconsin and ²Biochemistry, Medical College of Wisconsin, Milwaukee, WI.
- 30) **THE REFLUXING URETERAL REIMPLANT: AN IDEAL METHOD FOR AVOIDING CUTANEOUS URETEROSTOMY IN CASES OF OBSTRUCTED MEGAURETER.**
Martin Kaefer, MD
 Pediatric Urology, Indiana University Medical School, Indianapolis, IN.
- 31) **CHILDREN WITH MODERATE PRENATAL HYDRONEPHROSIS REQUIRE CLOSE POSTNATAL FOLLOW-UP.**
Patricio C Gargollo, MD, Drew A Freilich, Andres Silva, Carlo C Passerotti, Alan B Retik and Hiep T Nguyen
 Department of Urology, Children's Hospital Boston, Boston, MA.
- 32) **EVALUATION OF THE RENAL SIZE IN CHILDREN WITH MYELOMENINGOCELE.**
Piotr Czarniak, PhD, MD, Magdalena Drozynska-Duklas, Michal Maternik and Aleksandra Zurowska
 Department of Paediatric and Adolescent Nephrology and Hypertension, Medical University of Gdansk, Gdansk, Poland.

- 33) **DETERMINANTS OF SUCCESS AND FAILURE FOR SEROMUSCULAR COLOCYSTOPLASTY LINED WITH UROTHELIUM.**
Barbara M Ludwikowski, MD¹, Ricardo Gonzalez² and Maya Horst³
¹Pediatric Surgery, Paracelsus Medical University/Landesklinikum Salzburg, Salzburg, Austria;
²Surgery/Urology, Thomas Jefferson University/A. I. duPont Hospital for Children, Wilmington, DE and ³Pediatric Surgery/Urology, Kinderspital University of Zurich, Zurich, Switzerland.
- 34) **EARLY HYPOSPADIAS SURGERY: REDUCING THE CORTICAL SCAR.**
Brendan C Jones¹, Mike O'Brien², Janet Chase³, Bridget Southwell³ and John M Hutson^{2,3,4}
¹School of Medicine, University of Melbourne, Parkville, Melbourne, Victoria, Australia;
²Department of Urology, Royal Children's Hospital, Parkville, Melbourne, Victoria, Australia; ³F. Douglas Stephens Surgical Research Laboratory, Murdoch Children's Research Institute, Parkville, Melbourne, Victoria, Australia and ⁴Department of Paediatrics, University of Melbourne, Parkville, Melbourne, Victoria, Australia.
- 35) **AN EASIER WAY TO CORRECT WEBBED PENIS.**
Yoshifumi Sugita, MD¹, Katsuhiko Ueoka², Shizuko Takagi¹, Eiji Hisamatsu¹, Kaoru Yoshino³ and Saburo Tanikaze³
¹Department of Urology, Kobe Children's Hospital, Kobe, Japan; ²Department of Urology, National Center for Child Medical Health and Development, Tokyo, Japan and ³Department of Urology, Aichi Children's Health and Medical Center, Obu, Japan.
- 36) **BRACKA OPERATION WITH BUCCAL MUCOSA GRAFT FOR RE-DO HYPOSPADIAS REPAIR.**
Katsuhiko Ueoka, MD
 Pediatric Urology, National Children's Medical Center, Tokyo, Japan.
- 37) **ORAL MUCOSA GRAFT FOR THE REPAIR OF HYPOSPADIAS: LONG TERM RESULTS.**
Anju Goyal, FRCS, Michael VA Singh and Alan P Dickson
 Department of Paediatric Urology, Royal Manchester Children Hospital, Manchester, England, United Kingdom.
- 38) **CORPORAL BODY GRAFTING USING BUCCAL MUCOSA IN POSTERIOR HYPOSPADIAS WITH SEVERE CURVATURE: A PROSPECTIVE STUDY.**
Ibrahim A Mokhless, Mohamed E Youssif, Samir S Orabi and Mofteh Henish
 Pediatric Urology Unit, Urology Department, Alexandria university, Alexandria, Egypt.
- 39) **THE PHYSICS OF TROCAR INSERTION: WHICH ACCESS SYSTEMS ARE SAFE FOR USE IN PEDIATRIC LAPAROSCOPY.**
Carlo C Passerotti, MD, PhD, Nikolai D Begg, Ana Maria AMS Passerotti, Alan B Retik and Hiep T Nguyen
 Urology, Children's Hospital Boston, Harvard Medical School, Boston, MA.
- 40) **THE USE OF THE SALLE INTRAOPERATIVE PYELOPLASTY STENT® REVISITED: INVERTED SUPRAPUBIC INSERTION FACILITATES LAPAROSCOPIC AND RETROPERITONEOSCOPIC PYELOPLASTIES.**
Diego Barrieras, MD, Julie Franc-Guimond and Anne-Marie Houle
 Department of Surgery, Urology Division, CHU Sainte-Justine, Montréal, QC, Canada.
- 41) **PERCUTANEOUS MANAGEMENT OF CALYCEAL DIVERTICULI IN CHILDREN.**
Martin Kaefer, MD, FAAP¹, Larry Munch² and James Lingeman²

¹Pediatric Urology, Indiana University Medical School, Indianapolis, IN and ²Methodist Urology, Clarian Health Partners, Indianapolis, IN.

- 42) **ENDOSCOPIC MANAGEMENT OF PAEDIATRIC URETERIC CALCULI BY HOLMIUM:YAG LASER LITHOTRIPSY.**
Jiaz Hussain FCPS, FRCS, Sajid Sultan, Bashir Ahmed, Sadaf Aba Umer, Sherjeel Saulat, Amir Mehmood, Raees Taqvi, S Anwar Naqvi and SAH Rizvi
 Paediatric Urology, Sindh Institute of Urology and Transplantation, Karachi, Sindh, Pakistan.
- 43) **INTRACTABLE HEMORRHAGIC CYSTITIS (HC) AFTER HEMATOPOIETIC STEM CELL TRANSPLANTATION (HSCT): A ROLE FOR EARLY URINARY DIVERSION?**
Stephen J Lukasewycz, MD¹, Angela R Smith², Margaret L Macmillan² and Aseem R Shukla¹
¹Division of Pediatric Urology, University of Minnesota, Minneapolis, MN and ²Blood and Marrow Transplant Program, University of Minnesota, Minneapolis, MN.
- 44) **CONTEMPORARY EPIDEMIOLOGY AND CHARACTERIZATION OF NEWBORN MALES WITH DIAGNOSIS OF PRUNE BELLY SYNDROME.**
Caleb P Nelson, MD, MPH and Alan B Retik
 Urology, Children's Hospital Boston, Boston, MA.
- 45) **THE RELATIONSHIP BETWEEN CLINICAL PRESENTATION AND URACHAL REMNANT PATHOLOGY: IMPLICATIONS FOR TREATMENT.**
Hillary L Copp, MD¹, Ilene Y Wong¹, Chandra Krishnan², Sameer Malhotra¹ and William A Kennedy¹
¹Urology, Stanford, Stanford, CA and ²Pathology, Stanford, Stanford, CA.
- 46) **LONG-TERM OUTCOMES OF RENAL TRANSPLANTATION IN CHILDREN WITH AUGMENTED BLADDER.**
Ayrton A Aranha, MD, Antonio E Silveira, Rejane P Meneses, Antonio C Amarante, Wilmington R Consenza, Marlene B Almeida, Maria H Del Valle, Cecilia M Kotsifas, Elisane I Wladika, Evelise T Vargas, Lucimary C Sylvestre, Mariana M Cunha, Karen P Olandoski, Ziliane Martins and Hiep T Nguyen
 Urologia, Hospital Pequeno Príncipe, Curitiba, Paraná, Brazil.
- 47) **NATURAL HISTORY OF URODYNAMIC ABNORMALITY OF EARLY INFANCY WITH HIGH GRADE PRIMARY VESICoureTERAL REFLUX: FOLLOW UP TO EARLY CHILDHOOD.**
Biji Sreedhar MSc, PhD, Chung Kwong Yeung and Sujit K Chowdhary
 Surgery, Div. Paediatric Surgery & Paediatric Urology, Chinese University of Hong Kong, Shatin, Hong Kong SAR, China.
- 48) **RELATIONSHIP BETWEEN RENAL PARENCHYMA DAMAGE IN YOUNG INFANTS WITH DILATING PRIMARY VESICoureTERIC REFLUX AND DETRUSOR PRESSURE AT WHICH REFLUX OCCURS.**
Miguel L Podesta, MD and Roberto Castera
 Urology Unit, Department of Surgery, Hospital de Niños Ricardo Gutiérrez, Buenos Aires, Argentina.
- 49) **ABNORMAL DIMERCAPTO-SUCCINIC ACID SCAN IS A PREDICTIVE FACTOR OF BREAKTHROUGH URINARY TRACT INFECTION IN CHILDREN WITH PRIMARY VESICoureTERAL REFLUX.**
Michiko Nakamura, MD, Takahiko Mitsui, Kimihiko Moriya, Hiroshi Tanaka and Katsuya Nonomura

Department of Urology, Hokkaido University Graduate School of Medicine, Sapporo, Hokkaido, Japan.

- 50) **QUANTITATIVE ULTRASONOGRAPHIC RENAL PARENCHYMAL AREA CORRELATES WITH RENAL VOLUME AND IDENTIFIES REFLUX NEPHROPATHY.**
Ilene Y Wong, MD, Hillary L Copp and Linda D Shortliffe
Urology, Stanford University and Lucille Salter Packard Children's Hospital, Stanford, CA.
- 51) **EVALUATION OF THE PROGNOSTIC IMPACT OF ABNORMAL ULTRASOUND IN CHILDREN WITH VESICoureTERAL REFLUX.**
Kenneth G Nepple, MD, Christopher Austin and Christopher S Cooper
Urology, University of Iowa, Iowa City, IA.
- 52) **IS DEXTRANOMER HYALURONIC ACID CO-POLYMER (DX/HA) IMPLANTATION A REASONABLE TREATMENT OPTION FOR LOW GRADE VESICoureTERAL REFLUX IN ASSOCIATION WITH OVERACTIVE BLADDER?**
Kate H Kraft, MD, Joseph A Moliterno, Jr., Lisa Dewhurst, Christine Geers, Hal C Scherz and Andrew J Kirsch
Department of Urology, Emory University School of Medicine, Atlanta, GA.

POSTERS - ICCS

- 53) **DEVELOPING NURSE COMPETENCIES FOR PAEDIATRIC CONTINENCE CARE.**
June Rogers MBE RN, RSCN, BA(Hons), MSC and Sue Thomas
¹PromoCon, Disabled Living, Manchester, Greater Manchester, United Kingdom and ²Royal College of Nursing, London, United Kingdom.
- 54) **IS RADIOGRAPHIC IMAGING NEEDED IN THE INITIAL EVALUATION OF CHILDREN WITH LOWER URINARY TRACT DYSFUNCTION?**
Elizabeth Jackson, MD, William DeFoor, Nan Tobias, Alfor Lewis, Deepa Chand and Curtis Sheldon
Pediatric Urology, Cincinnati Children's Hospital, Cincinnati, OH.
- 55) **FREE UROFLOW PATTERNS DO NOT RELATE TO OUTCOME OF INCONTINENCE TREATMENT.**
An M Bael, MD, PhD¹, Hildegard Lax², Herbert Hirche² and Jan D van Gool¹
¹Department of Pediatrics, Pediatric Nephrology, University Hospital Antwerp, University of Antwerp, Antwerp (Edegem), Belgium and ²Institute of Medical Informatics, Biometry and Epidemiology, University of Essen-Duisburg, Essen, Germany.
- 56) **THE ADVANCE MALE SLING SYSTEM® FOR TREATING MODERATE STRESS INCONTINENCE IN BOYS WITH NEUROGENIC BLADDER: INITIAL EXPERIENCE IN 3 BOYS.**
Piet Hoebeke, MD, PhD, Karel Everaert and Erik Van Laecke
Urology, Ghent University Hospital, Belgium.
- 57) **TREATMENT OF VESICoureTERAL REFLUX BY COMBINED BLADDER INJECTIONS OF DEXTRANOMER/HYALURONIC ACID COPOLYMER AND BOTULINUM TOXIN IN CHILDREN WITH NEUROGENIC BLADDER.**
Giovanni Mosiello, MD¹, Maria Letizia Salsano², Enrico Castelli², Daniela Camanni¹, Maria Luisa Capitanucci¹, Maria Paola Pascali¹, Antonio Zaccara¹ and Mario De Gennaro¹
¹Urodynamics, NeuroUrology and Spina Bifida Units, Bambino Gesù Children's Hospital, Rome, Italy and ²Neurology and Rehabilitation, Bambino Gesù Children's Hospital, Rome, Italy.

- 58) **A PROSPECTIVE, DIRECT COMPARISON OF THE EFFECTS OF OXYBUTININ AND TOLTERODINE IN LOW COMPLIANT NEUROGENIC BLADDERS.**
Akihiro Kanematsu, MD, Koji Yoshimura, Kazuyoshi Johnin and Osamu Ogawa
¹Urology, Kyoto University, Kyoto, Japan and ²Urology, Shiga Medical University, Otsu, Shiga, Japan.
- 59) **TRANS-URETHRAL INJECTION OF BULKING AGENTS FOR THE TREATMENT OF URINARY INCONTINENCE IN NEUROGENIC BLADDER: EXPERIENCE FROM ABU DHABI.**
Mario Patricolo
 Department Surgery; Div. Pediatric Surgery, Sheikh Khalifa Medical City, Abu Dhabi, United Arab Emirates.
- 60) **CALCIUM-PHOSPHORUS METABOLISM IN CHILDREN WITH MYELOMENINGOCELE.**
Magdalena Drozynska-Duklas, Piotr Czarniak, Michal Maternik and Aleksandra Zurowska
 Department of Paediatric and Adolescent Nephrology and Hypertension, Medical University of Gdansk, Poland.
- 61) **NEUROGENIC BLADDER IN TUBEROUS SCLEROSIS COMPLEX: REALLY A NEW CLINICAL ENTITY?**
Giovanni Mosiello, MD¹, Maria Paola Pascali¹, Lucia Baldassarre², Giuseppe Fariello³, Paolo Palma⁴, Daniela Camanni¹, Maria Luisa Capitanucci¹, Antonio Zaccara¹ and Mario De Gennaro¹
¹Urodynamics and NeuroUrology, Bambino Gesù Children's Hospital, Rome, Italy; ²Neurology, Bambino Gesù Children's Hospital, Rome, Italy; ³Radiology, Bambino Gesù Children's Hospital, Rome, Italy and ⁴NeuroSurgery, Bambino Gesù Children's Hospital, Italy.
- 62) **ADEQUACY OF SANITIZATION AND STORAGE OF CATHETERS FOR INTERMITTANT USE.**
Justine M Schober, MD, Jennifer Chan, Ruth Fries and Timothy Cooney
¹Urology, Hamot Medical Center, Erie, PA and ²Medical School, Lake Erie College of Osteopathic Medicine, Erie, PA.
- 63) **APPLICATION OF INTRAVESICAL INJECTION OF BOTOLINUM TOXIN A IN PEDIATRIC UROLOGY.**
Maria Schimke, MD
 Müllnerhauptstrasse 48 Pediatric Surgery, Privat Medical University Salzburger Landeskliniken Salzburg, Salzburg, Austria.
- 64) **TAMSULOSIN'S EFFECT ON SYSTEMIC BLOOD PRESSURE AND NON-NEUROGENIC VOIDING DYSFUNCTION IN CHILDREN.**
Brian A Vander Brink, MD, Jordan Gitlin and Lane S Palmer
 Pediatric Urology, Schneider Children's Hospital of the North Shore-Long Island Jewish Health System, New Hyde Park, NY.
- 65) **OUTCOME OF BLADDER NECK PROCEDURES AFTER FAILED ENDOSCOPIC INJECTIONS OF DEXTRANOMER BASED IMPLANTS (DEFLUX) FOR INCONTINENCE IN CHILDREN.**
Ilona Alova, MD¹, Marc M Margaryan¹, Michelle Bernuy², Stephen Lortat-Jacob², Yves Aigrain¹ and Henri B Lottmann¹
¹Pediatric Surgery, Necker Enfants Malades Hospital, Paris, France and ²Pediatric Urology, Foundation Ellen Poidatz, Saint Fargeau Ponthierry, France.

- 66) **EFFECT OF SUPRAPUBIC BLADDER NECK INJECTION WITH POLYDIMETHYLSILOXANE IN PEDIATRIC INCONTINENCE.**
Sang Won Han, MD, PhD
134 Shinchondong, Seodaemungu Department of Urology Yonsei University College of Medicine Seoul, Korea.
- 67) **THE EFFECT OF METHYLPHENIDATE ON NOCTURNAL URINE OUPUT IN CHILDREN WITH ATTENTION–DEFICIT/HYPERACTIVITY DISORDER.**
Dieter Baeyens, PhD^{1,2}, Charlotte Van Herzele², Herbert Roeyers², Ann Raes¹, Piet Hoebeke¹ and Johan Vande Walle¹
¹Pediatric Uro/Nephrologic Center, Ghent University Hospital, Ghent, Belgium and ²Research Group Developmental Disorders, Ghent University, Ghent, Belgium.
- 68) **CORRELATION BETWEEN FREE UROFLOW PATTERN AND UROFLOW PATTERN AT URODYNAMIC INVESTIGATION IN CHILDREN WITH NON–NEUROPATHIC BLADDER SPHINCTER DYSFUNCTION.**
An M Bael, MD, PhD¹, Hildegard Lax², Herbert Hirche² and Jan D van Gool¹
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- 69) **URODYNAMIC PREDICTORS FOR SUCCESS OF SURGICAL MEATUS CORRECTION FOR ANTERIOR DEVIATED URINARY STREAM IN GIRLS WITH DYSFUNCTIONAL VOIDING.**
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- 70) **IS NOCTURNAL BLOOD PRESSURE A POSSIBLE PATHOPHYSIOLOGICAL FACTOR BEHIND WET NIGHTS IN NOCTURNAL ENURESIS?**
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- 71) **ENURESIS IS A COMMON AND PERSISTENT PROBLEM AMONG CHILDREN AND YOUNG ADULTS WITH SICKLE CELL ANEMIA.**
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- 72) **ENURESIS AND ATTENTION–DEFICIT/HYPERACTIVITY DISORDER: CO–OCCURRENCE OR CO–MORBIDITY?**
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- 73) **ENURESIS AND CAFFEINE CONSUMPTION.**
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- 74) **SECOND THERAPIES FOR CASES WHICH SHOW RESISTANCE TO AN ALARM AND DESMOPRESSIN THERAPY.**
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- 75) **VOIDING URODYNAMIC ASSESSMENT FOR CONGENITAL URETHRAL OBSTRUCTION IN BOYS WITH REFRACTORY ENURESIS.**
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- 76) **CENTRAL NERVOUS SYSTEM PROCESSING OF EMOTIONS IN CHILDREN WITH ENURESIS AND ADHD.**
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