

2008 SECTION ON UROLOGY RESEARCH PRIZE WINNERS

We would like to congratulate the following individuals for winning the research prize competition at the AAP Section on Urology meeting held this October in Boston. The first place winners received a \$500 prize award.

Our thanks and gratitude also go to the American Association of Pediatric Urology (AAPU) for sponsoring this event.

Clinical Research Prize

First Place

HEALTH RELATED QUALITY OF LIFE IN SPINA BIFIDA PATIENTS: A PROSPECTIVE ASSESSMENT BEFORE AND AFTER LOWER URINARY TRACT RECONSTRUCTION.

Andrew E MacNeily, MD, FRCSC, FAAP,¹ Siavash Jafari, MD,¹ Heidi Scott, BSN,¹ Amanda Dalgetty, BSN,¹ Kourosch Afshar, MD, FRCSC, FAAP.¹ ¹Pediatric Urology, University of British Columbia, Vancouver, BC, Canada.

Purpose: In a previous retrospective cohort study, we challenged the assumption that lower urinary tract reconstruction improves Health Related Quality of Life (HRQOL). We have reassessed this issue in a prospective fashion in a sampling of new patients.

Second Place

SHOULD PROGRESSIVE PERINEAL DILATION BE CONSIDERED FIRST LINE THERAPY IN CASES OF VAGINAL AGENESIS?

Patricio C Gargollo, MD,¹ Glenn M Cannon, Jr., MD,¹ David A Diamond, MD,¹ Phaedra Thomas, RN, BSN,² Vicki Burke, RN, BSN,² Marc R Laufer, MD.² ¹Department of Urology, Childrens Hospital Boston, Boston, MA; ²Department of Gynecology, Childrens Hospital Boston, Boston, MA.

Purpose: Progressive perineal dilation (PPD) affords patients a minimally invasive method for the creation of a functional vagina without the attendant risks or complications of traditional surgical options. We report our 12 year experience with this technique.

Third Place

IS THERE AN ASSOCIATION BETWEEN ADULT INTERSTITIAL CYSTITIS AND CHILDHOOD URINARY DISORDERS?

Jonathan D Kaye, MD,¹ Casey Seideman, MD,² Edan Y Shapiro, MD,² Robert M Moldwin, MD,² Lane S Palmer, MD.¹ ¹Pediatric Urology, Schneider Children's Hospital of the North Shore-Long Island Jewish Health System; ²Urology, Arthur Smith Institute for Urology, Lake Success, NY.

Purpose: Interstitial cystitis (IC) is a growing problem among adult women whose risk factors and pathophysiology remain largely unknown. To our knowledge, no data exist on the childhood urologic history of adult IC patients. We sought to identify aspects of adult IC patients' pediatric urologic histories that may have predisposed them to develop IC as adults.

Basic Science Prize

First Place

SOCIOBIOLOGY – SOCIAL STRESS INDUCED DYSFUNCTIONAL VOIDING LEADS TO MURINE BLADDER WALL HYPERTROPHY.

Stephen A Zderic, MD,¹ Stephan Butler, BS,¹ Andy Y Chang, MD,¹ Joanna Sliwoski, BS,¹ Douglas A Canning, MD,¹ Rita J Valentino, PhD.¹ ¹Urology, Children's Hospital of Philadelphia, Philadelphia, PA.

Purpose: Dysfunctional voiding (DV) represents a common reason pediatric urologists are consulted; its treatment remains time consuming and frustrating for patients, parents, and physicians. Pharmacologic management is limited by a poor understanding of the pathophysiology and lack of an animal model. We set out to characterize the response of the murine bladder to social stress.

Second Place

UROPLAKIN mRNA IS NOT UROTHELIUM SPECIFIC AND CAN BE MANIPULATED BY HEDGEHOG INHIBITION IN AN EMBRYONIC ORGAN CULTURE SYSTEM.

Patricio C Gargollo, MD,¹ Chaoshe Guo, PhD,¹ Sean X Li, PhD.¹ ¹Department of Urology, Childrens Hospital Boston, Boston, MA.

Purpose: Our study examines the expression of uroplakin (UP) mRNA in the embryonic mouse and its manipulation in an embryonic organ culture (OCx) model.

Third Place

GENITAL TUBERCLE GROWTH AND PATTERNING IS SPECIFIED BY Eya1 TRANSCRIPTION FACTOR IN CONJUNCTION WITH FIBROBLAST GROWTH FACTOR 8 AND SONIC HEDGEHOG.

Patricio C Gargollo, MD,¹ Chaoshe Guo, PhD,¹ Sean X Li, PhD.¹ ¹Department of Urology, Childrens Hospital Boston, Boston, MA.

Purpose: The Six1Eya1 transcription complex is essential for the embryogenesis of various organ systems. This study evaluates the role of Six1 and Eya1 during development of cloacal derivatives and the genital tubercle (GT) in a mouse model.