Academic Affiliation: University of Texas Southwestern (UT Southwestern) Medical Center

Interim Chief of Pediatric Urology: Linda A. Baker, M.D.

Fellowship Program Director: Patricio C. Gargollo, M.D.  
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Fellowship Program Coordinator: Emma Sanchez  
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emma.sanchez@childrens.com

Length of Program: 2 years  
1st year: Research  
2nd year: Clinical

Fellowship Mission:
The pediatric urology program at Children’s Medical Center Dallas is an ACGME - accredited fellowship committed to the training of future physician leaders in the field of pediatric urology.

Program Highlights:

- **Facilities and Volume:** Children's Medical Center Dallas is one of the nation’s largest children’s hospitals (407 beds; 112 ICU beds; 32 Operating rooms-24 inpatient/8 outpatient) and is connected to the busiest neonatal and obstetric unit in the US (Parkland). With a population of ~7 million in the DFW metroplex and a catchment area including all of North Texas and some adjacent states, the case volume and complexity is high. Our group sees more than 9,500 children in outpatient clinic visits and performs ~1,825 operations per year. Due to the fact that we are a high volume tertiary referral center, we mainly care for complex anomalies. The ‘rare’ is not rare here.

  - **Inpatient Care Sites:**
    - Children’s Medical Center Dallas
    - Children’s Legacy Plano
- **Outpatient Care Sites:**
  - Children's Medical Center Dallas
  - Children's Legacy Plano
  - Children's Southlake
  - Children's Rockwall
  - Texas Scottish Rite Hospital

- Our fellowship provides intensive experience in neurogenic bladder management and reconstruction via our services at Texas Scottish Rite Hospital (TSRH). Annually, Drs. Micah Jacobs and Patricio Gargollo provide pediatric urology care for >700 spina bifida or spinal cord injury urologic patients at TSRH, one of the largest SB/SCI programs in the US.

- **Pediatric Urology Faculty:**
  Our pediatric urology faculty consists of six fellowship-trained pediatric urologists and 3 pediatric urology nurse practitioners. Many of our faculty are renowned internationally and travel abroad as visiting professors. [http://www.utsouthwestern.edu/findfac/dept/0,2369,Urology,00.html](http://www.utsouthwestern.edu/findfac/dept/0,2369,Urology,00.html)

- **Linda A. Baker, MD**
  - Interim Chief of Pediatric Urology
  - Professor of Urology
  - Director of Pediatric Urology Research
  - Urology Residency: University of Virginia, Charlottesville, VA
  - Pediatric Urology Fellowship: The Johns Hopkins Hospital, Baltimore, MD

- **Warren T. Snodgrass, MD**
  - Professor of Urology
  - Urology Residency: Baylor College of Medicine, Houston, TX
  - Pediatric Urology Fellowship: Children's Hospital and Regional Medical Center Seattle, Washington, Seattle, WA

- **Clanton B. Harrison, MD**
  - Associate Professor of Urology
  - Urology Residency: Baylor College of Medicine, Houston, TX
  - Pediatric Urology Fellowship: Children’s Hospital & Health Center, San Diego, CA

- **Patricio C. Gargollo, MD**
  - Assistant Professor of Urology
  - Program Director, Pediatric Urology Fellowship Program
  - Director of Pediatric Urology Robotic & Minimally Invasive Surgery
  - Urology Residency: Massachusetts General Hospital, Boston, MA
  - Pediatric Urology Fellowship: Boston Children’s Hospital, Boston, MA

- **Nicol C. Bush, MD, MSc**
  - Assistant Professor of Urology
  - Director of Pediatric Urology Clinical Research
  - Urology Residency: Northwestern University, Chicago, IL
  - Pediatric Urology Fellowship: UT Southwestern, Dallas, TX
Micah A. Jacobs, M.D., MPH  
Assistant Professor of Urology  
Urology Residency: Lahey Clinic Medical Center, Burlington, MA  
Pediatric Urology Fellowship: University of Washington, Seattle, WA

**Pediatric Urology Nurse Practitioners:**

- Karen Pritzker, RN, MSN, CPNP  
- Janelle Traylor, RN, MSN, APRN  
- Kimberly Mizener, RN, MSN, APRN

**Areas of Clinical Expertise:**

- Concerning open surgery, complex genital reconstruction is one of the strengths in our fellowship program, including male genital and hypospadias reconstruction (Drs. Nicol Bush and Warren Snodgrass), female genital and vaginal reconstruction (Dr. Linda Baker), and exstrophy reconstruction (Dr. Micah Jacobs).

- Children's Medical Center Dallas is the third largest Pediatric Urology Robotic Program in the nation. Dr. Patricio C. Gargollo, MD is Director of Pediatric Urology Robotics and Minimally Invasive Surgery utilizing the DaVinci Robot System. With four pediatric urologists using the robot, we perform more than 75 robotic cases per year, including pyeloplasties, partial nephrectomies, Mitrofanoff procedures, bladder neck reconstructions, and extravesical reimplantation surgeries, to name a few. Our institution performed more pediatric urology robotic surgeries in 2011 than any other center in the country.

- Dr. Micah Jacobs is implementing a Urology Young Adult Translational Care Program for patients with complex genitourinary disorders and spina bifida.

**Clinical, Translational, and Basic Science Pediatric Urology Research:**

- Our busy clinical practice, scientifically-minded faculty and institutional infrastructure fuel our research, which excels in clinical, translational and basic science areas. Two of our pediatric urology faculties have Masters degrees in clinical studies (Bush, MSc and Jacobs, MPH) to help ensure high quality research.

- There is ample opportunity for fellows to participate, initiate, and become educated in research, thereby making us better pediatric urologists.

- Our Fellows can audit or take didactic courses taught by faculty of the top-ranked Center for Translational Medicine and Department of Clinical Sciences at the University of Texas Southwestern Medical Center. This coursework gives training in clinical research design and analysis, protocol design, epidemiology, outcomes research, the development and validation of research tools, biostatistics, and grant writing and is truly an outstanding educational opportunity for our fellows to better our specialty of pediatric urology as a whole.
Currently, over 40 IRB approved study protocols are underway, covering essentially every topic in pediatric urology via prospective or retrospective designs (see table). We have two outstanding research coordinators dedicated to our pediatric urology studies. Thus, the infrastructure for a very productive year in both basic science and clinical research exists. In addition, all fellows are invited to travel to both the AUA spring meeting and the Pediatric Urology Fall Congress during both years of their fellowship.

The quality of research we perform is nationally recognized. Currently, we are performing a large NIH-funded human clinical trial evaluating near infrared spectroscopy for pediatric acute scrotum and testicular torsion (NIH DK092654; Baker, PI).

In addition to the NIH-funded clinical trial, the Division of Pediatric Urology includes the John Duckett Pediatric Urology Laboratory, directed by Dr. Linda Baker. This endowed research laboratory focuses upon human subjects genetic studies and genetically engineered mutant mouse models of pediatric urologic birth defects and diseases. The lab is involved in multiple collaborative efforts within the UT Southwestern system, home to more Nobel Laureates than any other US institution. Cutting-edge genomic research is performed, employing comparative genomic hybridization, SNP microarrays, whole exome sequencing and other technologies to identify genetic causes of pediatric urologic disorders.

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<tr>
<th>PEDIATRIC UROLOGY STUDIES UNDERWAY AT UT SOUTHWESTERN AND CHILDREN’S MEDICAL CENTER</th>
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<tr>
<td>Advanced Applications of Robotic Surgery to Pediatric Urology</td>
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<tr>
<td>Genetic Basis of Prune Belly Syndrome &amp; other rare Pediatric GU Anomalies</td>
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<tr>
<td>Etiology of Cryptorchidism and Hypospadias</td>
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<tr>
<td>Near-Infrared Spectroscopy for Pediatric Acute Scrotum (NIH funded)</td>
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**Pediatric Urology Fellowship:**

- **History:**
  - ACGME accredited fellowship since 2005
  - A total of 8 fellows have completed the program

- **Conferences:**
  - Weekly Preoperative conference (1 hour)
Rotating weekly conferences (2 hours):
- Endocrine/Pediatric Urology Intersex conference
- Radiology
- Tumor Board/ Multi-disciplinary Oncology conference
- Pathology
- Morbidity and Mortality
- Journal Club
- Nephrology/Transplant
- Research Meeting

Call Schedule:
- At home call
- 2 UT Southwestern Urology Residents (PGY-3 and PGY-4) share call
- Meal Stipend for on call time at CMC ($100/month)

How to apply:
- We participate in the national match.
- All applicants should complete the Universal Pediatric Urology Fellowship Application which can be found at the http://spuonline.org and forward three letters of recommendation, including one from the department chair, to emma.sanchez@childrens.com
- The deadline for applications each year will be early March.