Focus on Pediatric Urology

Thousands of Children Later, Pediatric Urology at Komansky Center for Children’s Health Maintains Leadership Role

By the end of 2013, Dix Poppas, MD, Chief of Pediatric Urology at NewYork-Presbyterian Phyllis and David Komansky Center for Children’s Health/Weill Cornell Medical Center, completed his 6,000th pediatric urologic surgery. That number represents the expertise of a center that is nationally and internationally recognized for its experience in caring for children and adolescents with the full range of urologic disorders.

“Pediatric urology is a specialty that requires compassion in addition to experience and skill,” said Dr. Poppas. “We offer a caring environment for patients and their families and work together to develop the most effective and least invasive treatments to improve a child’s health.”

Dr. Poppas’ milestone is not the first for the Institute of Pediatric Urology at the Komansky Center for Children’s Health. He was the first in New York City to perform a robotic pyeloplasty (surgical correction of a ureteropelvic junction obstruction) and the first to do a laparoscopic nephrectomy.

Today the Institute of Pediatric Urology remains a leading center that provides care for children from birth to 18 years of age, with particular emphasis on developmental issues affecting the kidneys, bladder, urethra, or genital tract. In many cases, the team begins working with families before a baby is born, when urologic issues are identified on prenatal ultrasounds.

Minimally Invasive Surgery

The Institute is committed to taking the least invasive surgical approach possible to treat young patients and get them back to the business of being children as soon as possible. The Institute’s surgeons are especially renowned for the treatment of Ureteral reflux. The extravesical approach, pioneered at the Institute for Pediatric Urology, is the least invasive surgical approach.

(continued on page 2)

FOCUS ON PEDIATRIC UROLOGY

Thousands of Children Later, Pediatric Urology at Komansky Center for Children’s Health Maintains Leadership Role

By the end of 2013, Dix Poppas, MD, Chief of Pediatric Urology at NewYork-Presbyterian Phyllis and David Komansky Center for Children’s Health/Weill Cornell Medical Center, completed his 6,000th pediatric urologic surgery. That number represents the expertise of a center that is nationally and internationally recognized for its experience in caring for children and adolescents with the full range of urologic disorders.

“Pediatric urology is a specialty that requires compassion in addition to experience and skill,” said Dr. Poppas. “We offer a caring environment for patients and their families and work together to develop the most effective and least invasive treatments to improve a child’s health.”

Dr. Poppas’ milestone is not the first for the Institute of Pediatric Urology at the Komansky Center for Children’s Health. He was the first in New York City to perform a robotic pyeloplasty (surgical correction of a ureteropelvic junction obstruction) and the first to do a laparoscopic nephrectomy.

Today the Institute of Pediatric Urology remains a leading center that provides care for children from birth to 18 years of age, with particular emphasis on developmental issues affecting the kidneys, bladder, urethra, or genital tract. In many cases, the team begins working with families before a baby is born, when urologic issues are identified on prenatal ultrasounds.

Minimally Invasive Surgery

The Institute is committed to taking the least invasive surgical approach possible to treat young patients and get them back to the business of being children as soon as possible. The Institute’s surgeons are especially renowned for the treatment of Ureteral reflux. The extravesical approach, pioneered at the Institute for Pediatric Urology, is the least invasive surgical approach.

(continued on page 2)
THOUSANDS OF CHILDREN LATER, PEDIATRIC UROLOGY AT KOMANSKY CENTER MAINTAINS LEADERSHIP ROLE

(continued from page 1)

THE INSTITUTE OF PEDIATRIC UROLOGY TAKES THE LEAST INVASIVE SURGICAL APPROACH POSSIBLE, AND GETS PATIENTS BACK TO THE BUSINESS OF BEING CHILDREN AS SOON AS POSSIBLE.

HYPOSPADIAS REPAIR: Surgical repair of hypospadias (where the penis meatus is not located at the tip of the penis) is often performed before a child is one year of age. Dr. Poppas is able to complete the repair in most children with a single operation, but on occasion, a second operation may be needed. Most boys will have a small stent exiting the tip of the new meatus to protect the new urethra and allow for adequate healing. Dr. Poppas uses soft stents that are needed for less than a week. Very few patients experience bladder spasms or fistulas postoperatively.

GENITAL RECONSTRUCTION SURGERY: NewYork-Presbyterian/Weill Cornell is internationally recognized for the surgical care of children with disorders of sexual development. Dr. Poppas and his colleagues have treated more children with these disorders than any other center in the United States. The Comprehensive Center for Congenital Adrenal Hyperplasia is recognized as the nation’s first Center of Excellence by the CARES Foundation (Congenital Adrenal Hyperplasia Research Education and Support). Urologists in the Center for Stone Disease excel in the use of incision-free endoscopic approaches to break up kidney stones. For example, using ureteroscopy, a fiberoptic ureteroscope can be inserted through the urethra and passed through the bladder to remove or break up the stones with a laser.

Leaders in Robotic Urologic Surgery

The Division of Pediatric Urology has expanded the use of robotic surgery and routinely uses this approach to treat urological conditions in children, from infants to those age 18 and older. The Institute is a national leader and has the most experience with pediatric urologic robotic surgery in the Tri-State area, and has pioneered procedures never done before.

THE DIVISION OF PEDIATRIC UROLOGY ROUTINELY USES ROBOTIC SURGERY TO TREAT UROLOGICAL CONDITIONS IN INFANTS, CHILDREN, AND ADOLESCENTS.

A DEDICATED CENTER FOR KIDNEY STONE CARE

Morgan Stanley Children’s Hospital is the only institution in the New York City metropolitan area to have a comprehensive center focused solely on the detection and management of kidney stones in children and adolescents. The Center for Stone Disease includes clinicians with expertise in urology, nephrology, radiology, urology, gynecology, and genetics. The group also conducts basic science and clinical research to advance the care of patients with kidney stones.

For more information or to refer a patient to the Institute of Pediatric Urology, call (212) 746-5337 or visit nyp.org/kids/pediatrics.

The highly skilled and experienced team of pediatric surgeons, anesthesiologists, nurses, and technicians are specially trained in robotic surgery and attract patients from all over the world. Having spent many hours working together in the operating room, they are prepared to address any issue that may arise.

Pediatric urologic surgeons use robotic surgery for complex procedures that require exceptional precision, such as:

- Pyeloplasty for ureteropelvic junction obstruction
- Partial and total nephrectomy
- Nephroureterectomy
- Ureteral reimplantation
- Bladder reconstruction
- Reconstructive procedures in children with spina bifida

The Division of Pediatric Urology has an extensive track record of innovation in minimally invasive pediatric urology, and is committed to remaining at the forefront of research and development of this emerging technology.

Leaders in Robotic Urologic Surgery

The Division of Pediatric Urology has expanded the use of robotic surgery and routinely uses this approach to treat urological conditions in children, from infants to those age 18 and older. The Institute is a national leader and has the most experience with pediatric urologic robotic surgery in the Tri-State area, and has pioneered procedures never done before.

The highly skilled and experienced team of pediatric surgeons, anesthesiologists, nurses, and technicians are specially trained in robotic surgery and attract patients from all over the world. Having spent many hours working together in the operating room, they are prepared to address any issue that may arise.

Pediatric urologic surgeons use robotic surgery for complex procedures that require exceptional precision, such as:

- Pyeloplasty for ureteropelvic junction obstruction
- Partial and total nephrectomy
- Nephroureterectomy
- Ureteral reimplantation
- Bladder reconstruction
- Reconstructive procedures in children with spina bifida

The Division of Pediatric Urology has an extensive track record of innovation in minimally invasive pediatric urology, and is committed to remaining at the forefront of research and development of this emerging technology.

Partners in Antenatal Care

The Cameron and John Thain Center for Prenatal Pediatrics at the Morgan Stanley Children’s Hospital is world-renowned for diagnosing and managing congenital abnormalities detected in utero. The Center’s leading specialists provide a full range of prenatal diagnostic testing and consultations with specialists. Surgeons in the Division of Pediatric Urology collaborate with the Center for Prenatal Pediatrics and maternal-fetal medicine specialists as part of the healthcare team, providing their expertise to assess urologic anomalies before birth and their surgical skills to manage them after a child is born.

The Division of Pediatric Urology is conducting preclinical research studies to evaluate the use of high-frequency ultrasound to treat ureteroceles and posterior urethral valves in utero. In collaboration with biologists, the urologists are also investigating the development of the urogenital tract to understand how normal and abnormal development occurs. If proven effective, this approach may become fetal intervention, enabling doctors to correct this disorder before a child is born.

For more information or to refer a patient to the Institute of Pediatric Urology, call (212) 746-5337 or visit nyp.org/kids/pediatrics.

To learn more about the Division of Pediatric Urology or to refer a patient, call (212) 305-9918 or visit nyp.org/kids/morganstanley.

NewYork-Presbyterian Morgan Stanley Children’s Hospital/ Columbia University Medical Center

3559 Broadway, New York, NY 10032