

Division of Pediatric Urology

Saint Louis University School of Medicine
at SSM Health Cardinal Glennon Children's
Hospital, St. Louis, MO



The Division of Pediatric Urology at SSM Health Cardinal Glennon Children's Hospital is nationally ranked by U.S. News & World Report and offers innovative treatment options for children diagnosed with a wide variety of kidney and urinary tract problems. The program has two board-certified pediatric urologists. The team also includes certified wound care specialists as well as advanced nurse practitioners and nurses who serve as dedicated care coordinators in the division's voiding dysfunction, urodynamics, and spina bifida programs.

Of particular note is the team's expertise in laparoscopic and endoscopic procedures that allow for faster and less painful recoveries. Complex urologic reconstruction procedures include those for genito-urinary anomalies and lower urinary tract reconstruction for the treatment of spina bifida urinary complications. The surgical team has a dedicated operating room equipped with advanced, high-definition video-streaming capabilities for education and training. With documented expertise, the Division of Pediatric Urology garners a 45%+ market share in the region.

Adult Congenital Urology Transition Program

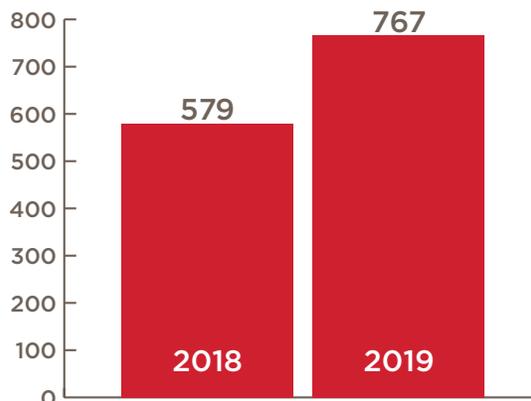
To enable a smooth transition of care as a child ages to adulthood, the Division of Pediatric Urology and adult reconstructive urologists at SSM Health Saint Louis University Hospital offer a collaborative program for patients with long-term urologic conditions. A specialized pediatric-to-adult transitional spina bifida clinic also is offered that includes comprehensive care by pediatric and adult urologists as well as orthopedists and spine specialists. Expertise in transitional care is recognized, with division director Barry Duel, MD, serving on the American Urological Association's working group on adult congenital urology.

Largest Regional Pediatric Voiding Dysfunction Program

The pediatric voiding dysfunction program at SSM Health Cardinal Glennon is the largest in the St. Louis region and offers both behavioral modifications and medical interventions. Botox bladder injections are offered for children with severe voiding problems, including neurogenic bladder conditions.

The program has grown steadily, with more than 2,000 patients seen over just the past three years and referrals coming from an extended region. Review of both pre- and post-treatment incontinence survey scores indicate that the overwhelming majority of patients improve significantly after treatment and have a high degree of overall patient satisfaction.

Voiding Dysfunction Program Growth



Outpatient Treatment of Vesicoureteral Reflux (VUR)

For children with primary vesicoureteral reflux, SSM Health Cardinal Glennon offers outpatient endoscopic treatment with Deflux® injections. The minimally invasive procedure is highly effective and is available for children diagnosed with VUR Grade 2 through Grade 4.

Multidisciplinary Spina Bifida Clinic

SSM Health Cardinal Glennon offers a large, multidisciplinary clinic for children diagnosed with



spina bifida. The clinic is staffed surgeons, advanced practice providers, nurses, and orthotic specialists. Pediatric urologists in the clinic oversee long-term management of neurogenic bladders and other urologic complications. Through a collaborative effort in the SSM Health Cardinal Glennon St. Louis Fetal Care Institute, pediatric urologists also work closely with maternal-fetal medicine specialists, neonatologists, and pediatric urologists to diagnose and treat myelomeningocele (MMC) either prenatally or postnatally.

New this year is the development of a Spina Bifida Long-Term Care Transition program that will enhance the quality and transition of care for adolescents with spina bifida as they enter adulthood. The program is in collaboration with the American Academy of Pediatrics.

Outreach Services

In addition to services available at SSM Health Cardinal Glennon, the Division of Pediatric Urology provides onsite urology clinic services at facilities throughout the region. Certain surgical procedures also are performed at a satellite surgery center in Edwardsville, Ill., and the team also offers physician consultations and patient visits remotely through the hospitals telemedicine program.

Clinical Research Efforts

Clinical research efforts under way in the division are investigating the role of the microbiome and its connection to pediatric urinary tract infections and vesicoureteral reflux among prepubertal girls. The study, which is using microbiome analysis and DNA sequencing, is funded by the Society for Pediatric Urology. A collaborative research effort with the Division of Gastroenterology and Hepatology also is investigating treatments to enhance colonic motility in children diagnosed with spina bifida.

In a manuscript to be published in Urology (accepted), pediatric urologic surgeon Timothy Phillips, MD, notes that a suspected benign testicular mass may be treated with testis-sparing mass enucleation instead of the more standard radical orchiectomy if the tumor presents synchronously with testicular torsion.

Quality Initiatives

Continuous quality of care initiatives have focused on better compliance with AUA antibiotic prophylaxis guidelines, with SSM Health Cardinal Glennon Children's Hospital above the national average and in the top 25% for correct surgical antibiotic prophylaxis during and after surgery. Urology morbidity rates also continue to be low, reflecting the division's focus on best practices and optimal care management.

Urology Residency

In collaboration with Saint Louis University School of Medicine, urology residents complete their required pediatric rotations at SSM Health Cardinal Glennon Children's Hospital.

For physician consultations, contact the SSM Health Cardinal Glennon Access Center at **1-888-229-2424**.

SLUCare Division of Pediatric Urology Faculty

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Pediatric urologists at SSM Health Cardinal Glennon Children's Hospital are faculty of Saint Louis University School of Medicine and members of its SLUCare Physician Group. The hospital is the only free-standing, not-for-profit Catholic pediatric hospital in the United States. It is a member of SSM Health, one of the largest Catholic health care systems in the country and is affiliated with Saint Louis University School of Medicine. For more information about the hospital, visit cardinalglennon.com.

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