Nephrology Services

Our practice specializes in caring for infants and children with complex kidney diseases and urologic conditions including:

- Hematuria (blood in the urine)
- Proteinuria (protein in the urine)
- Congenital kidney anomalies
- Nephrotic syndrome
- Acute glomerulonephritis
- Acute kidney injury
- Chronic kidney disease
- Hypertension (high blood pressure)
- Kidney stone disease
- Electrolyte disorders
- Urinary tract infections
- Vescoureteral reflux
- Enuresis (bed wetting) and voiding dysfunction
- Renal tubular acidosis and other tubular diseases

For children with end-stage kidney disease, we offer renal replacement therapies such as:

- Hemodialysis
- Peritoneal dialysis
- Kidney transplantation

Services & Programs

High Blood Pressure Program

Our Division is the main referral center for children with hypertension. We use ambulatory blood pressure monitoring for diagnosis and follow up of children with hypertension.
End Stage Renal Disease

We offer hemodialysis and peritoneal dialysis for children with end stage renal disease. We have a trained and dedicated nursing staff and the ability to dialyze small children. In addition, we have a dedicated peritoneal dialysis nurse who trains and assists our pediatric patients and their families.

Kidney Transplantation

As part of the Weill Cornell Medicine Transplant Program, our team coordinates and provides pre-transplant work up, transplant care, and follow-up care for children who require kidney transplantation. We partner with Rogosin Institute, the oldest and largest kidney transplant center in the Tri-State-Area.

Growth Failure Program

Our team has special expertise in the management of children with growth failure resulting from chronic kidney disease. We are particularly interested in why some children with kidney failure do not grow and how recombinant human growth hormone allows them to grow more normally. We are examining the role of cytokines and Leptin in the growth process and their correlation with body composition and growth parameters.

Diagnosis & Treatment

Biopsies

Kidney biopsies are routinely performed in children of all ages for diagnostic purposes. Biopsies are performed at our outpatient sedation unit with ultrasound guidance and the support of Weill Cornell Medicine’s Pediatric Anesthesiology division.

Blood Pressure Monitoring

Twenty-four hour ambulatory blood pressure monitoring is available to evaluate children and adolescents with elevated blood pressure readings. It is an invaluable tool in distinguishing those children with so-called ”white coat” hypertension form those with an elevation of their blood pressure load.
What to expect
Our division plays an active role in educating the next generation of physicians. The Division has
an active medical student clerkship program for US as well as international medical students. In addition, we also have a pediatric nephrology rotation program for US and international residents.

Research

Our faculty are involved in several research projects and initiatives:

- Mineral metabolism in children with chronic kidney disease
- Kidney transplant outcomes and non-invasive methods to monitor how the transplanted kidney is functioning
- Iron metabolism and its role in complications of chronic kidney disease (CKD) in children
- Atypical Hemolytic-uremic syndrome registry
- Clinical Drug trial in CKD patients with high phosphorus in their blood.
- North American Pediatric Renal Trials and Collaborative Studies (NAPRTCS) for kidney transplant recipients

Resources

Rogosin Institute

Kidney and Pancreas Transplantation Program, Department of Surgery at Weill Cornell Medicine

What Sets us Apart

Our kidney transplant program, in conjunction with the Immunogenetics lab run by the Weill Cornell Medicine adult kidney transplant program, provides comprehensive pre-transplant HLA matching and post-transplant monitoring of donor specific antibodies for pediatric kidney transplant recipients. We are affiliated with Komansky Children’s Hospital at NewYork-Presbyterian, the #1 ranked children’s hospital in New York City on the 2017-2018 US News & World Report Best Children’s Hospitals survey.
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