



CANCER AND BLOOD DISORDERS PROGRAM

Roswell Park Oishei Children's Cancer and Blood Disorders Program

The Roswell Park Oishei Children's Cancer and Blood Disorders Program is a collaboration with Kaleida Health's Oishei Children's Hospital and Roswell Park Comprehensive Cancer Center. The Program cares for >95% of all children and adolescents with cancer and nonmalignant blood disorders in the eight county Western New York region and provides regional consultation for patients across New York State, Northern Pennsylvania and Eastern Ohio, representing the largest pediatric cancer and blood disorders program in upstate New York. Outpatient care is provided in the pediatric ambulatory center at Roswell Park and inpatient care in a dedicated inpatient unit at Oishei Children's Hospital. The division members include ten board certified pediatric hematology/oncology physicians as well as pediatric hematology/oncology trainees through the ACGME-accredited fellowship training program.



Program Highlights



Cellular Therapies 1 of only 2 upstate programs to offer BMT for malignant disorders, only upstate center for pediatric chimeric antigen receptor T cell therapies (CAR-T) and BMT for sickle cell disease

- FACT accredited bone marrow and stem cell transplant program
- Matched related, haploidentical and unrelated transplants for range of malignant and nonmalignant conditions, including sickle cell disease, thalassemia and other inherited disorders
- Certified Kymriah (CD19 CAR-T therapies) program
- Clinical trial availability through participation in the Pediatric Blood and Marrow Transplant Consortium and the BMT-Clinical Trials Network

Precision Medicine Program Not available elsewhere in upstate NY

- Comprehensive molecular sequencing of high risk solid and brain tumors through application of the Omniseq Advance, an assay that provides comprehensive immune and genomic profiling.
- Monthly multidisciplinary pediatric molecular tumor boards with representation by molecular pathology and cancer genetics

Experimental Therapeutics Not available in upstate NY

- Full member of the NCI-funded Children's Oncology Group, which provides Phase II and Phase III trials, as well as the DFCI ALL Consortium. Program faculty have leadership positions in clinical trials developed through these consortia
- Investigator initiated and pharmaceutical sponsored phase 1 and 2 trials are available elsewhere
- Lead site for the first pediatric trial investigating SurVaxM, a first-of-its-kind, patented peptide mimic immunotherapeutic vaccine that targets survivin, a cell-survival protein present in pediatric high grade gliomas and medulloblastomas
- Adoptive cellular therapies with novel T cell receptor engineered T cell therapies for relapsed/refractory pediatric solid tumors

Comprehensive Neuro-oncology Program

- Multidisciplinary care management with pediatric neuro-oncology, neurosurgery, neurology, endocrinology and psychology seeing patients jointly, along with dedicated program coordinator, social work and nursing support

Neurofibromatosis Program Not available elsewhere in upstate NY

- Children's Tumor Foundation NF Clinic Network Designated Site
- Multidisciplinary care management through dedicated outpatient program

Survivorship Program

- Comprehensive survivorship care across entire lifespan
- Oncofertility services for males and females with oocyte and sperm banking available

Comprehensive Sickle Cell Program Buffalo has the only upstate newborn referral program

- NYS designated newborn screening program referral site for sickle cell and other hemoglobinopathies
- Clinical research site for the Pittsburgh Regional Consortium's American Society of Hematology Sickle Cell Disease Clinical Trials Network

Collaboration with Federally Funded Hemophilia Treatment Center

- Medical service agreements with Western New York Bloodcare for full service care of children and young adults with bleeding disorders

Hemostasis and Thrombosis Program Only dedicated program in upstate NY

- Catheter delivered thrombolysis therapies provided through multidisciplinary care provided by pediatric hematology, interventional radiology and vascular surgery

Supportive Care Services Most comprehensive program in upstate NY

- Comprehensive supportive services for patients and families including social work, psychology, child life, integrative therapies, educational support and school reentry, palliative care and hospice services, outpatient rehabilitation and nutritional counseling