

A close-up, high-resolution photograph of a baby's face, focusing on the eyes and nose. The baby has light blue eyes and a neutral expression. The skin is smooth and fair. The text "HEALING STORIES" is overlaid in the center in a bold, blue, sans-serif font.

# HEALING STORIES



University Hospitals



Rainbow Babies  
& Children's Hospital





MIKE FARRELL

# PARTNERSHIPS IN CARE TO HEAL. TO TEACH. TO DISCOVER.

## University Hospitals Rainbow Babies & Children's Hospital is the region's premier medical resource for pediatric referrals.

Building on a foundation of more than 120 years of progress, UH Rainbow Babies & Children's Hospital provides personalized, relationship-based care to young patients who require the most advanced diagnostic tools and treatment strategies.

With internationally recognized comprehensive programs in such subspecialties as neonatology, pediatric surgery, cystic fibrosis, sickle cell disease and cancer, UH Rainbow is consistently ranked among the best facilities of its kind in the country.

We continue to enhance our capabilities by recruiting top-flight personnel to lead important departments, by enhancing such vital programs as minimally invasive pediatric surgery and the diagnosis and treatment of pediatric brain tumors, and by adding larger, more efficient and more patient-friendly physical infrastructure.

Our new Neonatal Intensive Care Unit, for example, is a technologically sophisticated facility designed with parent input to be a home-like environment of private rooms, where families can stay comfortably at their baby's bedside around the clock. And the NICU is connected via a short walkway to UH MacDonal Women's Hospital, giving us the unique ability to manage both maternal fetal

medicine for critically ill mothers and the care of their equally ill newborns just steps away.

Our focus on quality and safety is reflected in hospital-wide initiatives that address issues affecting patient care, including minimizing surgical-site infections in high-risk procedures, blocking adverse drug events before they occur and eliminating catheter-associated bloodstream infections in both the Pediatric and Neonatal Intensive Care units.

As part of our community outreach mission, we are also partnering with Ronald McDonald House Charities to launch a Dental CareMobile, to bring quality care to the vast numbers of underserved pediatric patients in the region, some of whom have never visited a dentist in their lives.

At UH Rainbow Babies & Children's Hospital, we build enduring relationships with patients, their families, their primary physicians and the community at large. Through these inclusive partnerships we provide the highest level of quality care for all of our patients, delivering compassionate healing of the body, mind and spirit.

Mike Farrell, President  
UH Rainbow Babies & Children's Hospital



JOHN KENNEL, MD

# YESTERDAY

## A LEGACY OF SERVICE

**A COTTAGE FOR KIDS** In 1887, nine young women initiated an effort to address some of the myriad health care needs of Cleveland’s underprivileged families. Calling themselves the “Rainbow Circle of King’s Daughters,” they raised funds to obtain and equip a building that would be both a convalescent facility and a refuge, in which children could be removed from difficult home circumstances and recuperate from illness in a caring environment.

Renting a small house near the Lake Erie waterfront, they named their new institution “Rainbow Cottage.” At first open only in the summer, the cottage soon

housed dozens of sick children year round, affording them fresh air, healthy meals and the attentions of visiting physicians and nurses. Demand proved so great that the facility expanded its services over time and moved into a series of larger buildings, ultimately changing its name to reflect its larger purpose: Rainbow Hospital.

**GROWING TO MATURITY** Rainbow Hospital and Cleveland’s Babies’ and Children’s Hospital became part of the newly formed University Hospitals of Cleveland in 1925, joining two other institutions and the School of Medicine of what is now Case Western

Conceived more than a century ago to fulfill the unmet medical needs of local children, University Hospitals Rainbow Babies & Children’s Hospital has grown to become a national model of quality care, innovative research and progressive medical education.

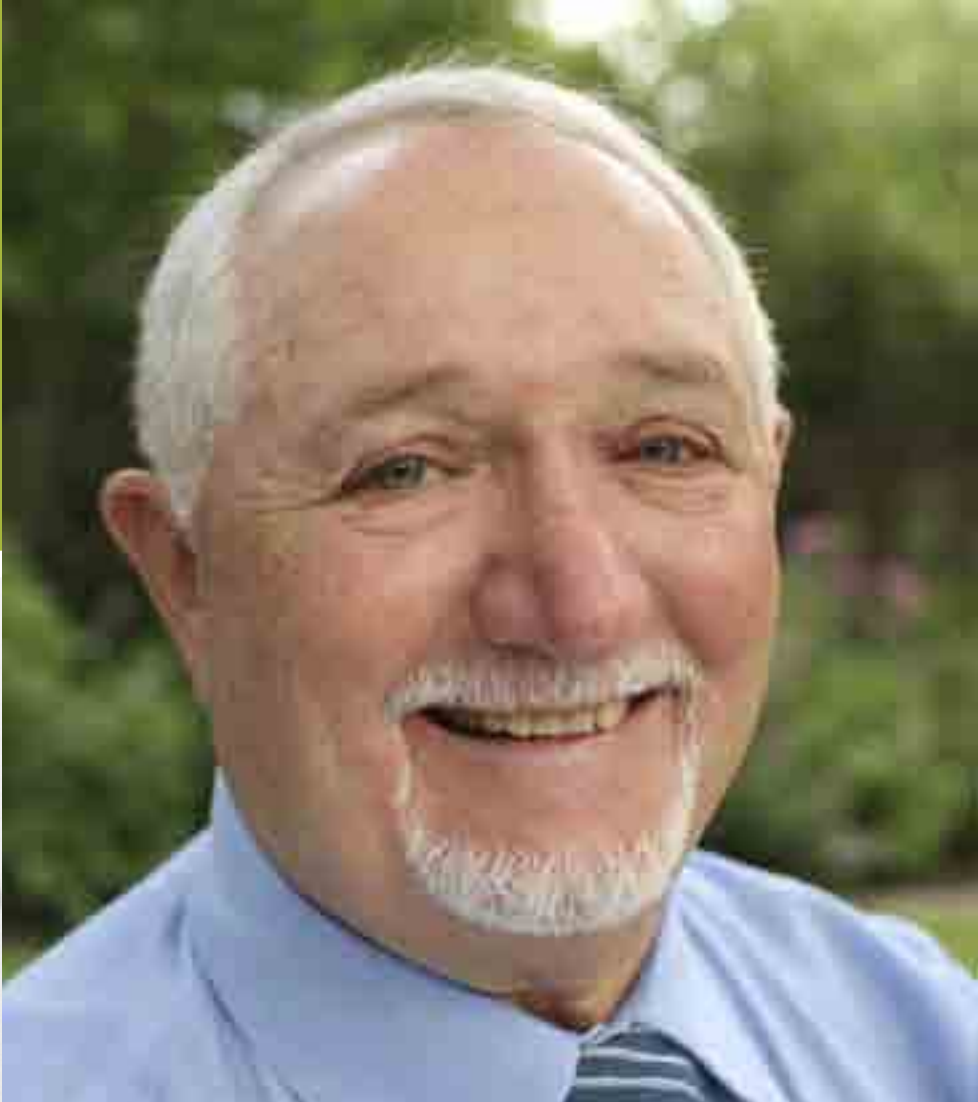


JEROME LIEBMAN, MD





JOHN KENNEL, MD



AVROY FANAROFF, MD



Reserve University on a campus in the city's University Circle neighborhood to create the region's first academic medical center. Today, with its full range of clinical, research and physician-education capabilities, UH Rainbow Babies & Children's Hospital has far exceeded the modest goals of its founders by becoming a national leader in pediatric medicine.

**MEDICAL FIRSTS AT UH RAINBOW** ♦ We opened the first Cystic Fibrosis Center in the United States and still spearhead research for a cure. ♦ Our neonatologists are world leaders in the advancement of life-saving

treatments and research protocols. ♦ Our Center for Global Child Health—the country's first—helps millions of children worldwide by offering expertise in pediatric disaster management. ♦ We were among the first hospitals to take a multidisciplinary team approach to the treatment of childhood obesity, bringing together endocrinologists with psychologists and behavioral pediatricians. ♦ Developed by UH Rainbow surgeons, anesthesiologists and nurses, the first surgical operating table for newborns is now standard equipment in our state-of-the-art neonatal intensive care unit.



# TREASURE'S FORTUNE

**Treasure's Mom:** Treasure collapsed in class. It was the scariest time of my life. Dr. Cohen soothed my fears and explained Treasure's surgery in detail. Rainbow's staff wrote everything down for our family.

**Treasure:** I don't remember what it was like to be in a coma. But there was a lot to do when I woke up. I played games on the Rainbow TV channel and therapy dogs came to visit.

**Alan Cohen, MD:** Treasure wants to be President of the United States. But what started like any other day in fourth grade resulted in a helicopter ride to UH Rainbow, where she underwent emergency surgery to remove a large brain tumor. Today, she is getting great grades in math. I think that could come in handy for a President.

ALAN COHEN, MD





LYNN MILLINER, MD

Ranked consistently among the finest pediatric centers in the country, University Hospitals Rainbow Babies & Children's Hospital offers patients the most up-to-date diagnostic and treatment capabilities in a caring and compassionate environment, with clinical programs reinforced by the research strength of Case Western Reserve University School of Medicine.

**ONE TO ONE** The hallmark of our approach to pediatric medicine is relationship-based care, a strategy that recognizes the importance of ongoing communication among patients, caregivers and patients' family. The more than 1,300 members of our staff—from physicians, surgeons and nurses to anesthesiologists, therapists, social workers and child life specialists—maintain personal relationships with patients, their families and their primary physicians, explaining and pursuing input for care plans devised to meet each patient's specific needs.

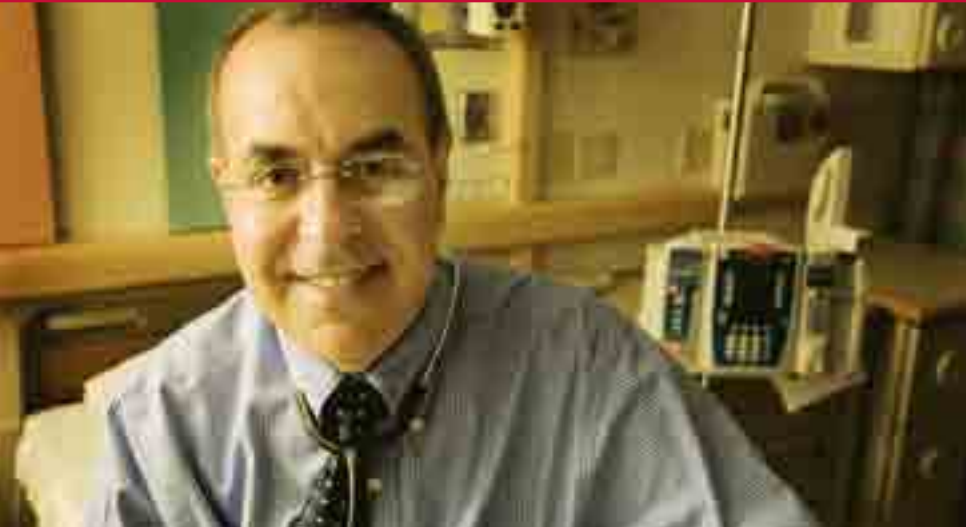
**ACKNOWLEDGED EXCELLENCE** We are world leaders in the care of high-risk neonatal infants and patients with cystic fibrosis, blood disorders, endocrine and metabolic disease, neurological illnesses, and kidney and urologic conditions. Teaming with University Hospitals Ireland Cancer Center, UH Rainbow Babies & Children's Hospital is also a leader in treating pediatric cancers, offering the latest advances and access to

clinical trials unavailable elsewhere. With UH MacDonald Women's Hospital we provide diagnosis, treatment and management of fetal malformations and genetic syndromes. We also offer a newly expanded inpatient pediatric psychiatric unit, and we maintain the only Level I pediatric trauma center in the region.

U.S. News & World Report magazine annually ranks UH Rainbow as one of America's best children's hospitals, with the Number Two rating nationally in neonatal care/NICU and top rankings in treating respiratory disorders, cancer and diabetes, as well as endocrinology, digestive and kidney disorders, orthopaedics, neurology and neurosurgery. Parents magazine also rates UH Rainbow as one of the country's Top 10 children's hospitals.

**A HOME FOR HEALING** Our care teams deliver state-of-the-art treatment in surroundings that replicate

# PEDIATRIC MEDICINE



BRIAN BERMAN, MD



as closely as possible the comforting amenities of patients' homes. New and updated existing facilities on the UH Rainbow campus accommodate foldaway beds to allow mothers and fathers to stay with their children overnight. Private suites give parents around-the-clock access to their child's bedside, while family-friendly art and natural light brighten rooms and hallways.

**THE UH RAINBOW FAMILY** Our network extends beyond University Circle to the more than 50 urban and suburban campuses where UH Rainbow-affiliated physicians treat young patients. Extensive community-based resources mean families throughout northeast Ohio can connect to a systemwide team of medical experts without leaving their towns of residence. And primary physicians in or out of Ohio may subscribe to our Rainbow Call Center pediatric telephone triage service (216-844-RAINBOW), which allows patient

families to obtain after-hours consultation with our highly trained and experienced registered nurses.

**RESEARCH** Case Western Reserve University School of Medicine's Department of Pediatrics at UH Rainbow ranked third in the nation in total National Institutes of Health support for 2008, receiving more than \$24 million in research grants. Among our most active programs is the Cystic Fibrosis Center, which annually draws more than 350 patients from 15 states, many of them participating in cutting-edge investigations. Over two decades our physician-scientists have developed treatments that are now standard therapies, including high-dose ibuprofen for lung inflammation. Our researchers also lead the national effort to find a cure for CF by developing and testing drugs aimed at improving gene and protein function in patients.



# TWIN TRIUMPHS

**Dad:** Anna and Emma were smaller than footballs when they arrived. My wedding ring fit loosely around their ankles. I can't even count the number of times the neonatal intensive care unit nurses saved little Anna's life.

**Mom:** All we could do was let the doctors do their jobs and pray that the technology and our trust in Rainbow's reputation would save our babies.

**Michele Walsh, MD:** We believe in honesty. Sometimes that means giving answers that are difficult to hear. Fortunately, over six months, our answers changed and the girls went home without any long-term problems.

**Mom:** Our daughters will grow up to be anything they dream.





RICHARD MARTIN, MD

Boasting one of the nation's highest premature-infant survival rates and one of the lowest rates of long-term complications, the Neonatal Intensive Care Unit at University Hospitals Rainbow Babies & Children's Hospital continues to set new standards in the care of the most vulnerable high-risk babies.

**A CENTURY OF CARING** From its earliest days, UH Rainbow Babies & Children's Hospital has been committed to the health of newborns. As early as the 19th century, for example, hospital founders supported the delivery of pasteurized milk to needy infants in Cleveland. And as medical science added new capabilities over the years, UH Rainbow expanded its own areas of expertise to address more of the challenges of childhood.

**DECADES OF PROGRESS** In the 1950s we created one of the country's first designated neonatal units for the specialized care of premature infants, and School of Medicine faculty member Dr. Benjamin Spock redefined concepts of child development. In the 1960s, our physicians proved that parental contact and bonding with premature infants improved outcomes for vulnerable babies and resulted in shorter hospital stays and fewer readmissions.

UH Rainbow translational research in the 1970s produced the flexible nasal prongs that are still used worldwide to deliver oxygen to struggling newborns. In the 1980s, hospital researchers designed the first high-frequency jet ventilator to assist babies in respiratory distress, and then introduced extracorporeal membrane oxygenation, a heart-lung bypass technology that has saved countless lives. In the 1990s, our specialists pioneered the use of nitric oxide as a less-invasive assist to babies with severe breathing-oxygenation problems.

Today we work closely with specialists at UH MacDonald Women's Hospital to diagnose fetal problems and genetic disorders to ensure safe deliveries of high-risk pregnancies. Thanks to the physical proximity of UH MacDonald delivery rooms and the UH Rainbow Neonatal Intensive Care Unit—just steps away from each other through a restricted-use connecting corridor—our Maternal Fetal Medicine

# NEONATOLOGY



JOHN KENNEL, MD, MICHELE WALSH, MD

program affords critically ill mothers and their infants a uniquely seamless continuum of care that no single-purpose facility could provide.

**STATE OF THE ART** The newly opened Quentin and Elisabeth Alexander NICU is our latest advance—a high-tech marvel and a nurturing environment designed to enhance the healing of our tiniest patients. The \$25 million, 38-bed facility boasts such innovations as an on-site surgical suite that provides NICU patients with immediate access to life-saving interventions. And the surgical suite itself features the world’s first neonatal operating table—the “Rainbow Flex”—which was developed with input from UH Rainbow specialists.

The new NICU provides bedside imaging for facilitated X-ray viewing. Room temperature, lighting and ambient noise levels are controlled to fit the changing

needs of each newborn, while noninvasive cameras and wireless communication capabilities allow staff to monitor infants’ progress at all times. Parents remain close to babies in private, sleep-in rooms that minimize stress and maximize parent-child interaction, and family-friendly artwork and natural elements soften interior surroundings.

**SETTING THE STANDARD** ♦ Both U.S. News & World Report and Parents magazines rank our Level III NICU as among the best in the country for neonatal care. ♦ Babies in the UH Rainbow NICU have a survival rate of 96 percent—one of the nation’s best. ♦ Our neonatologists have authored the standard teaching texts in their field and have trained some of the world’s leading specialists. ♦ UH Rainbow is one of four founding members of the National Institute of Child Health and Human Development’s Neonatology Research Network.



JOHN LETTERIO, MD

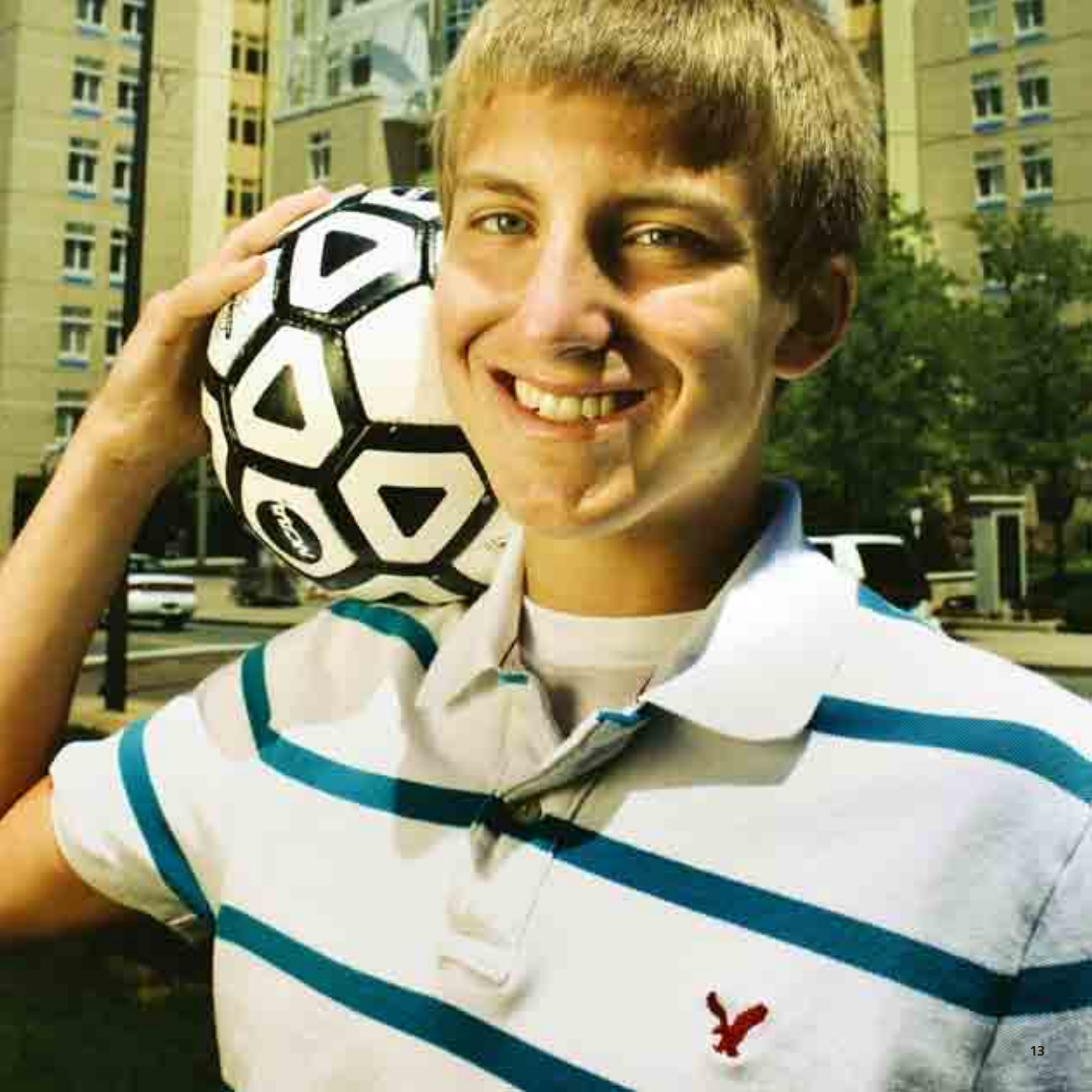
# KICKING CANCER

**Jonathan's Mom:** We thought Jonathan was only going in for surgery to have his tonsils out, but Rainbow doctors identified a mass in his sinus cavity.

**John Letterio, MD:** Our team of specialists found a tumor and quickly diagnosed Jonathan with Burkitt's lymphoma. Jonathan's UH Rainbow team worked together to help him beat cancer, and set a goal to get him back in school and running with his other team—out on the soccer field.

**Jonathan:** I kicked the cancer and played again as a defender for my high school. Now I'm a student at Carnegie Mellon University in Pittsburgh and volunteer for the Big Brothers program.

**Jonathan's Mom:** I call it our most victorious season. Having a medical team that wanted the same future for my son made the difference.





KENNETH COOKE, MD

Pediatric cancer is a serious diagnosis for children and their families, but the hematology and oncology specialist teams at University Hospitals Rainbow Babies & Children's Hospital offer patients proven treatments, the latest advances from the laboratory and hope for a brighter future.

**COMPREHENSIVE CARE** UH Rainbow Babies & Children's Hospital provides pediatric cancer patients the most advanced new treatments and procedures to combat their disease, including access to clinical trials of newly developed therapies that are often the product of our own nationally recognized research. We are a major regional referral center for children affected by a range of cancers and by such nonmalignant blood disorders as hemophilia and sickle cell anemia.

We deliver the most advanced treatments by augmenting our own resources with those of the UH Ireland Cancer Center, the Case Comprehensive Cancer Center and the National Center for Stem Cell and Regenerative Medicine of Case Western Reserve University's School of Medicine. Multidisciplinary teams coordinate comprehensive care tailored to the unique needs of pediatric patients and their families. Through translational research, laboratory scientists collaborate with clinicians to identify and

speed from bench to bedside new therapies, drugs and medical devices. Inpatient services are provided in specialized units staffed by physicians, pediatric hematology-oncology nurses, child-life specialists, social workers and a dedicated pharmacist, while outpatients receive infusion therapies, chemotherapy and other procedures in comfortable surroundings.

**CRITICAL MISSIONS** UH Rainbow is a national leader in surgical outcomes for brain and spine tumors, which have surpassed leukemia as the leading cause of cancer-related death in children. Our new Jennifer Ferchill Brain Tumor Center brings together experts in the diagnosis and treatment of childhood brain tumors to develop and deliver therapies that in some cases effect full cures.

Our Pediatric Bone Marrow Transplant (BMT) Program employs cord blood, bone-marrow and stem-cell transplantation to treat congenital and acquired disorders.

# HEMATOLOGY/ONCOLOGY



DUNCAN STEARNS, MD



ALEX HUANG, MD

Part of the 64-member Pediatric Blood and Marrow Transplant Consortium and a Children's Oncology Group-designated transplant center, the BMT program functions jointly with UH Ireland Cancer Center's internationally recognized adult transplant efforts.

**COMMITMENT FOR LIFE** UH Rainbow's Sickle Cell Anemia Center is among the largest hemoglobinopathy programs in the United States. Cooperating closely with referring physicians, the center emphasizes early diagnosis, patient and family education, ongoing acute and outpatient care, prevention of complications and access to such treatments as stem-cell and bone-marrow transplantation. The program's effectiveness is reflected in the reduction of patient mortality in the first 10 years of life, which has dropped from 15 percent to less than 1 percent.

Our Center for Survivors of Childhood Cancer enhances patients' quality of life by providing clinical care and survivorship advocacy, research and education. Services include a long-term follow-up clinic and psycho-social and school liaison support. The Iris S. and Bert L. Wolstein Kids Kicking Cancer program helps young survivors lead active lives by offering free sports clinics as well as ongoing conditioning and nutritional counseling.

**BENCH TO BEDSIDE** ♦ UH Rainbow physicians engaged in clinical trials of therapeutic regimens are defining new approaches to treating cancers and managing bone-marrow transplant complications.

- ♦ In partnership with the Lance Armstrong Foundation, the hospital leads a national effort to elevate standards for adolescent and young-adult cancer care, while increasing patients' access to life-saving clinical trials.



SHENANDOAH ROBINSON, MD





# FREE TO LIVE

**Courtney:** Seizures disrupted my whole life. One day, for example, I was walking to class when suddenly I felt like I was traveling through a time tunnel. I couldn't get my balance.

**Shenandoah Robinson, MD:** Courtney has a genetic condition that causes seizures. She underwent brain surgery to remove the part of her brain that was producing seizures. Now she can focus on college, and the certainty of a healthier and brighter future.

**Courtney's Mom:** Courtney is spirited and tenacious. Our goal for her surgery was "Abbondanza," Italian for "abundant quality of life." We don't want her to miss another moment.



ROSS UNGERLEIDER, MD

University Hospitals Rainbow Babies & Children's Hospital's expertise in the revolutionary techniques of minimally invasive surgery results in lower risk, reduced potential for complications and speedier, less painful post-operative recovery for even the youngest and most vulnerable patients.

**LESS PAIN, MORE GAIN** The Center for Minimally Invasive Pediatric Surgery (MIS) at UH Rainbow Babies & Children's Hospital offers young patients state-of-the-art interventions across the range of surgical specialties. Advanced MIS techniques for even major abdominal and thoracic procedures reduce blood loss, risk of infection, pain and recovery times and often leave no visible scar. Less invasive methods are available for children of all ages—including newborns—in neurosurgery, ophthalmology, urology, dental and oral surgery, otolaryngology and in orthopaedic, thoracic, plastic and general surgery. We maintain a national database of pediatric MIS procedures and their outcomes to assist physicians in the assessment of risks and benefits, and our virtual MIS seminars allow us to share globally our breakthroughs in research and the use of innovative technologies. In addition, our comprehensive blood-conservation program allows us to offer safe alternatives to transfusion, to minimize

complications and to respect the religious beliefs of patient families.

**NEXT-LEVEL NEUROSURGERY** Ranked one of the country's best in malignant brain tumor removal by U.S. News & World Report magazine, UH Rainbow's team of board-certified pediatric neurosurgeons treats all disorders of the brain and spinal cord. In addition, specialists in our Comprehensive Level IV Pediatric Epilepsy Center bring expertise in the latest diagnostic techniques, surgical interventions and pharmacological innovations to treat and often cure children suffering seizures.

**REBUILDING LIVES** World leaders in the repair of spinal deformities, UH Rainbow orthopaedic surgeons are also developing techniques to minimize and possibly eliminate entirely the need for invasive remediation of scoliosis. Our plastic and reconstructive

# SURGERY



surgeons treat more than 700 patients annually for a range of congenital and acquired deformities, from cleft palate to more complex malformations of the head and face. In fact, the UH Rainbow craniofacial clinic is the region's largest, providing a multidisciplinary approach to care from specialist teams who can create individualized care plans for patients in a single hospital visit. And pediatric plastic surgery is also available for deformities of the neck, trunk and lower extremities, as well as for birthmarks, burn injuries and a wide range of vascular anomalies.

**TACKLING TRAUMA** Nearly 30,000 children visit the UH Rainbow emergency room each year, of which nearly 7,300 receive trauma-related care in Northern Ohio's only designated Level I Pediatric Trauma Center. We provide unsurpassed acute care to seriously ill and injured children through a highly trained medical staff and advanced-trauma life-support-certified surgeons.

**SPECIALISTS IN HOPE** ♦ UH Rainbow treats the full range of pediatric urological conditions, from bedwetting and urinary reflux to Wilms' tumor and other cancers.

♦ Our specialists pioneered the world's first single-site nephrectomies in children, and we employ such innovative cardiothoracic surgical techniques as the Ross procedure to improve long-term outcomes. ♦ We are a center of excellence for sinus surgery and cochlear implantation to surgically restore hearing. ♦ Our pediatric sedation unit remains a model for other hospitals, allowing parents to remain with their child while pain management is safely administered prior to invasive tests or medical procedures. ♦ UH Rainbow pediatric orthopaedic surgeons are developing improvements in the use of growing rods to correct scoliosis, and our expertise in advanced interventions has made us a global center for surgical training.

# FRESH AIR

**Maria's Mom:** My husband and I are doctors, so we know what's out there. We're selective about medical care and want a facility with the most advanced cystic fibrosis research and treatments. Under Rainbow's specialists, Maria has never been hospitalized.

**Maria:** My doctor is fun. He asks me what I do with my friends and wants to know about school.

**Michael Konstan, MD:** Kids don't always listen to their parents about their health, even if their parents are doctors. I help Maria understand what might happen if she forgets to take her medications. Staying healthy is important for children with chronic conditions.





MICHAEL KONSTAN, MD





CLAUDIA HOYEN, MD

Through residencies and fellowships, University Hospitals Rainbow Babies & Children's Hospital offers training and experience to tomorrow's pediatricians and specialists. Our educational program boasts a long list of graduates who are now innovators and leaders in their fields around the world.

**MOLDING TOMORROW'S LEADERS** UH Rainbow Babies & Children's Hospital's Department of Pediatrics and Case Western Reserve University (CWRU) School of Medicine have long-standing traditions of producing world leaders in pediatric medicine. The Pediatrics Residency Training Program faculty includes experts in all medical and surgical subspecialties affecting children.

The varied resources of the entire University Hospitals Case Medical Center and the CWRU School of Medicine ensure access to a broad array of technologies, subspecialty consultation services and opportunities for residents to serve as educators for outstanding medical students.

Working in state-of-the-art NICU, PICU, MICU and CICU units, a Level I Pediatric Trauma Center and rotations not only in UH Rainbow but also in the Newborn Nursery of the adjacent UH MacDonald Women's Hospital and the Urgent Care Center of the nearby Louis Stokes Cleveland VA Medical Center, residents and fellows become familiar

with leading-edge treatments and therapies for the widest variety of pediatric medical and surgical challenges.

A robust program, more than 90 residents and 54 fellows receive an unrivaled clinical education caring for patients in a modern full-service children's hospital, as well as in ambulatory settings. Bedside clinical experience is augmented by interactive and didactic educational offerings, including workshops and research opportunities. All residents and fellows also enjoy access to the reference resources of UH Rainbow's own Samuel J. Horwitz, MD Pediatric Learning Center and the Health Sciences Library of CWRU.

**INSPIRING INNOVATION** Our physicians have always been at the forefront of pediatric medicine, training subspecialists in some areas even before formal fellowships have been established. Programs in Behavioral and Developmental Pediatrics, Cardiology, Neonatology, Critical Care and Pulmonology have

# PEDIATRIC EDUCATION

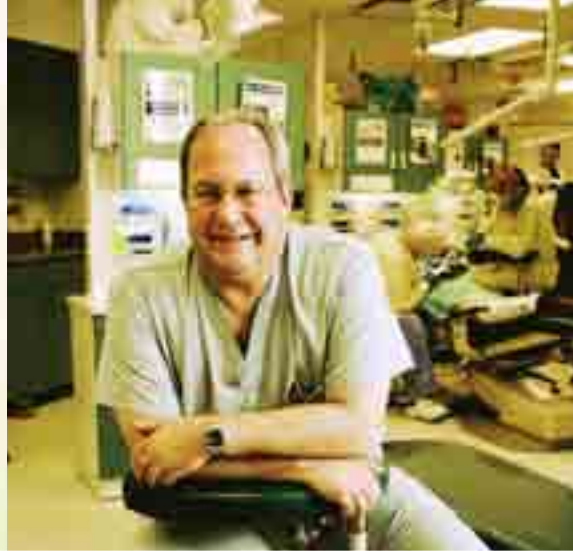


MARTHA WRIGHT, MD

been advanced under the guidance of UH Rainbow doctors, and we have instituted such cutting-edge fellowships as International and Global Child Health.

In addition to the solid foundation in clinical medicine that every fellow receives, each is afforded the opportunity to pursue focused pursuits in bench, clinical or translational research through a variety of investigational opportunities. While some of our trainees choose to enter private practice, others have been named to academic positions at top-ranked pediatric institutions and have eventually headed subspecialty divisions and pediatric departments. By challenging academic physicians to grow into leaders in their fields, the mission of our Fellowship Training Program mirrors those of the American College of Graduate Medical Education (ACGME) and the American Board of Pediatrics.

We currently offer 17 ACGME-accredited pediatric subspecialty training programs, including Adolescent Medicine, Pediatric Behavioral and Developmental Psychology, Pediatric Cardiology, Pediatric Critical Care, Pediatric Emergency Medicine, Pediatric Endocrine and Metabolism, Pediatric Gastroenterology, Pediatric Hematology/Oncology, Pediatric Infectious Diseases, Pediatric Nephrology, Pediatric Neonatology, Pediatric Neurology, Pediatric Pulmonary, Pediatric Rheumatology, Sleep Medicine and Pediatric Sports Medicine. Pediatric surgical fellowships comprise a training program for a concentrated year-long pediatric experience and are open to candidates who have completed at least three years of general pediatrics training. Fellows are also required to spend at least two years as clinical or basic-science investigators. In addition, we offer nonaccredited fellowships and programs in Pediatric Minimally Invasive Surgery, Pediatric Plastic Surgery, Pediatric Orthopaedics, Pediatric Epilepsy and International and Global Child Health.



GERALD FERRETTI, DDS, MS

**BREAKING GROUND** The Marcy R. Horvitz Pediatric Center for Emergency Medicine will soon open as the dedicated children's facility in University Hospitals' new \$45 million Center for Emergency Medicine (CEM). The new pediatric center will provide high-quality emergency care, more privacy for young patients and their families and even isolation and decontamination rooms for potential bioterrorism situations.

**MAKING DRUGS WORK** The UH Rainbow Babies & Children's Hospital Center for Drug Research is setting new standards in ensuring the safety and effectiveness of pharmaceuticals for infants and children. One of only a handful of such programs in the country, the center

acts as a reference resource for clinical trials, advises government agencies and pharmaceutical manufacturers on dosing and provides therapeutic guidance to patients and their primary physicians.

**AUTISM'S CHALLENGE** The Rainbow Center for Autism brings together neurologists, psychiatrists, psychologists, behavioral pediatricians, language specialists, occupational/physical therapists, educational specialists, social workers and pediatric subspecialists to provide comprehensive services to autistic children and their families. The Center prioritizes early diagnosis and ongoing monitoring of growth, development and socialization skills that lead to independence in maturity.

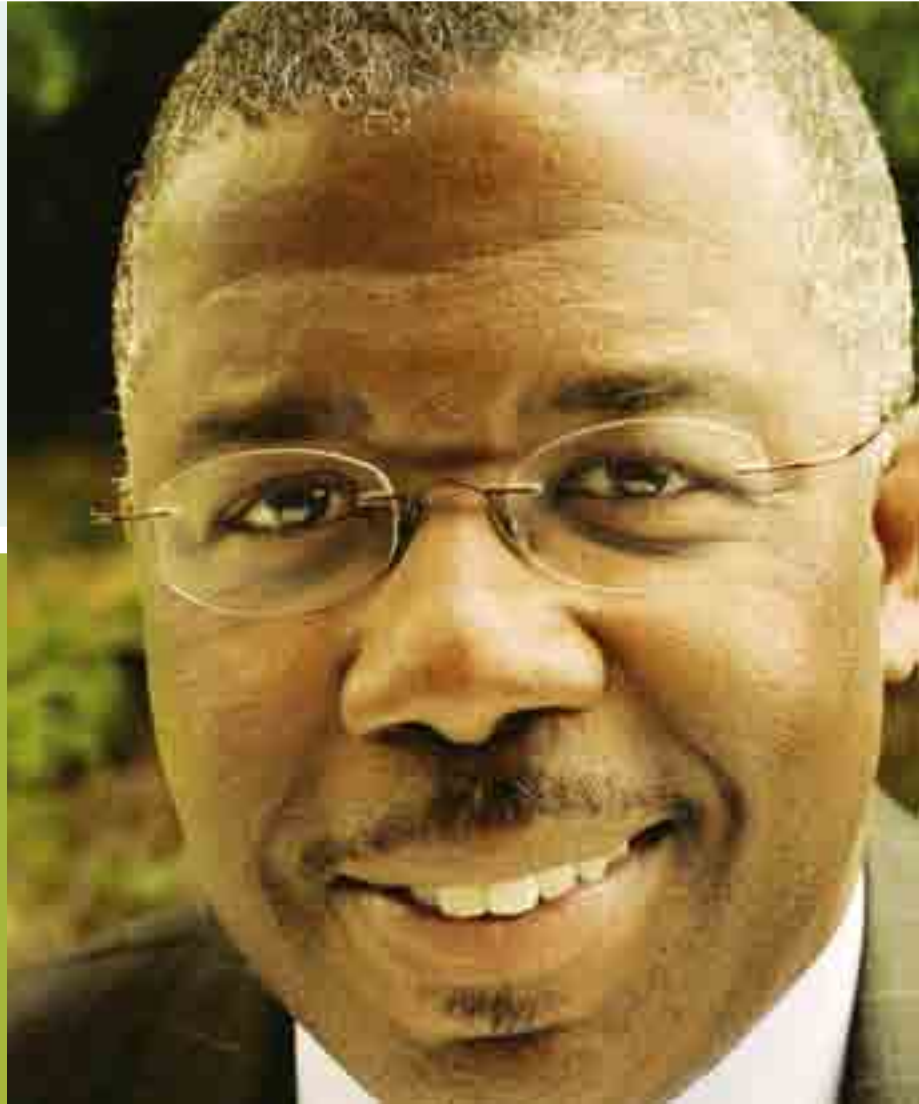


# TOMORROW IMAGINING THE NEW

EDWARD BARKSDALE, MD

**HORIZONS OF HOPE** ♦ UH Rainbow's Cystic Fibrosis Center is developing and testing therapies to ultimately cure CF through gene therapy and other approaches. ♦ Our scientists and clinicians are also at work to better the lives of children afflicted with a host of other disorders, including asthma, cancer, diabetes and prematurity. ♦ The Center for Human Genetics brings together the expertise of clinical and laboratory geneticists and genetic counselors to provide patients and their families with comprehensive care based upon the latest findings in genetics and genomic medicine.

University Hospitals Rainbow Babies & Children's Hospital continues to propel the next generation of pediatrics with advanced new facilities and the development and implementation of more effective and patient-friendly diagnostic and treatment strategies.



# COMMUNITY

## REACHING OUT TODAY

**SAFETY FIRST** UH Rainbow Babies & Children’s Hospital’s Injury Prevention Center provides important safety messages to families throughout the region. Topics include child-passenger advice, sports medicine information, teen driving and fire safety, as well as preventive techniques to avoid unintentional firearm injury. We also provide low-cost resources and “programs-to-go” for a network of more than 200 community partner agencies, working together to promote injury-prevention education.

**SETTING THE PACE** As the regional expert in child passenger safety and coordinator and distributor of child-restraint education in a five-county area, UH Rainbow is home to the first and only special-needs car seat program in northeast Ohio. We supply specialized child restraints at discharge for patients with short- or long-term challenges that prevent them from fitting correctly into conventional child restraints. We also maintain a “Safety Store,” where parents can purchase safety equipment—from cabinet locks to bike helmets—at reduced prices.

**UMBRELLA OF CARE** UH Rainbow oversees a number of innovative programs aimed at promoting long-term health. We have joined forces with a community-based autism center, for example, to leverage our resources in clinical assessment, research and continuity of care. In conjunction with the Ohio Department of Health, our “Help Me Grow” program delivers early intervention to expectant parents, infants and toddlers, providing free in-home screenings to developmentally delayed

children and linking families to specialized schools and medical care teams. And the “Healthy Kids, Healthy Weight” initiative brings together physicians and patient families to create and implement customized, early intervention plans for overweight children.

**DISASTER RESPONSE** The Rainbow Center for Children and Disasters is home to the Pediatric Specialty Team-Ohio, which combines the resources of Ohio’s six leading children’s hospitals to build a unified children’s disaster medical assistance team – the only one of its kind in the country.

**A HEALTHY INVESTMENT** UH Rainbow was active in federal and state advocacy efforts to reauthorize and expand the Children’s Health Insurance Program (CHIP), which was signed into law in February 2009. The CHIP law provides health coverage to 4.1 million children previously lacking insurance, and protects the 7 million already in the program.

**UNDER THE RAINBOW** ♦ UH Rainbow’s Child Advocacy and Protection Program is recognized by the National Association of Children’s Hospitals and Related Institutions as a “Center of Excellence.” ♦ Free personalized treatment plans through the UH Rainbow Center for Chronic Conditions of Childhood help young asthma patients manage their disease. ♦ Our “Safe Escape” program provides free resources to families of special needs patients to aid in home safety and emergency evacuation situations.





ANNE LYBREN, MD

# UNIVERSITY HOSPITALS RAINBOW BABIES & CHILDREN'S HOSPITAL STATISTICS

(January–December 2009)

Inpatient Discharges	8,631
Outpatient Visits	489,960
Urgent Care Visits	15,347
Observation Cases	4,021
Emergency Department Visits	30,582
Trauma Cases	698
Total Days of Care	57,094
Average Length of Stay (Days)	6.6
Operational Beds	244
Medical Staff	433
Residents	93
Fellows	54
Total Gifts	\$13,000,000

Special thanks to our models, all physicians and patients at University Hospitals Rainbow Babies & Children's Hospital. Primary photographs were taken by Russell Monk on the campus of UH Rainbow Babies & Children's Hospital and Case Western Reserve University in University Circle, Cleveland, Ohio.





**University Hospitals**



**Rainbow Babies  
& Children's Hospital**

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Appointments: 1-866-UH4-CARE