

MAKING DREAMS A REALITY

A report to the community 2004



Founded in 1950, Miami Children's Hospital treats more than 185,000 pediatric patients each year. With more than 600 physicians, the hospital is renowned for excellence in all aspects of pediatric medicine.

In addition to being the largest free-standing pediatric teaching hospital in the Southeastern United States, Miami Children's Hospital is the only licensed specialty hospital in South Florida exclusively for children.

Mission:

To provide excellent family-centered healthcare to children in an academic environment that meets or exceeds the expectations of those we serve and educate. To collaborate with others in our community to improve the health status of children.

Vision:

Miami Children's Hospital will continue to be recognized as one of America's best children's hospitals and as Florida's academic center of pediatric clinical excellence providing a number of Centers of Specialty Pediatric Excellence nationally and internationally.

Core Values:

We will always do what is best for each child. We will always value those who serve children. We will always value diversity. We will always value integrity and honesty. We will always value leadership.

Dear Friends,

2004 was another outstanding year for Miami Children's Hospital and our medical staff as we reached out to embrace new programs and expand leadership to help make dreams a reality for the children of South Florida and beyond.

During the year, Miami Children's Hospital was pleased to further cement the leadership of its Brain Institute, which keeps dreams alive for families throughout the U.S. who are confronting some of the most complex brain disorders, including autism, brain tumors and chronic epilepsy. The year brought significant federal funding and private donations to support research and other advancements at the Brain Institute, the nation's first comprehensive program dedicated solely to the pediatric neurosciences. These commitments promise to expand the program's already substantial leadership.

Also in 2004, the hospital stepped up its rapidly expanding commitment to pediatric research with the formation of the Clinical Research Center, a division of the hospital's Research Institute. The new entity offers researchers and research sponsors the convenience of "one-stop shopping" for research initiation, management and support. Research represents the future of medicine and is an important part of our commitment to the development of new treatments.

To provide expanded space for the specialized services of our medical staff, the hospital entered the next phase of its "Building on a Dream" construction and renovation project, breaking ground for a new 68,000 square-foot Ambulatory Care Building to house the hospital's expanding Brain Institute, Congenital Heart Institute and Craniofacial Center and new facilities to enhance convenience for families.

At the same time, Miami Children's continued to fulfill its longstanding commitment to supporting the dreams of at-risk children throughout South Florida. The hospital delivered more than \$11.7 million in uncompensated care to children in need of our medical and healthcare services. In addition, the hospitalthrough grants acquired by the Miami Children's Hospital Foundation—launched a new preventive medicine program at the Overtown Youth Center. The program, called OK FINE, helps at-risk children develop health awareness and skills to promote better academic achievement and lifelong success.

Each year the hospital fulfills dreams for families of thousands of critically ill children. The success stories within are just a sampling of the happy endings that Miami Children's has helped bring about for families.

And so with our commitment to making dreams a reality renewed for another year, we turn toward the future to embrace new possibilities and opportunities for supporting the families of South Florida and beyond.

Sincerely,

Thomas M. Rozek

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Christian C. Patrick, MD, PhD

Moises Simpser, MD



Thomas M. Rozek President and CEO



Rene V. Murai Chairman of the Board of Directors



Christian C. Patrick, MD, Senior Vice President for Medical Affairs



Moises Simpser, MD PhD, Chief Medical Officer/ President MCH Medical Staff

U.S.News and World Report

Among the best in the nation for three consecutive years

MCH Again Chosen Among Nation's Best Hospitals

For the third straight year, Miami Children's Hospital in 2004 was ranked among the nation's best hospitals for pediatric care. Miami Children's is the only pediatric hospital in Florida to be included in *U.S.News & World Report's* ranking of "America's Best Hospitals" for the past three years.







FAREWELL TO A REMARKABLE LEADER

Farewell to Ambassador David M. Walters

Flags at Miami Children's Hospital flew at half mast during the first week of 2005 as the hospital bid a sad farewell to one of its most devoted friends and leaders. Ambassador David M. Walters—a most pivotal player in the hospital's rise to national prominence—died January 3 after a long illness.

"For more than three decades, the Ambassador dedicated himself to ensuring that the children of Florida had access to high-quality medical care. Miami Children's Hospital and the people of this community owe a tremendous debt of gratitude to the Ambassador for his steadfast vision and tenacity in serving the children of South Florida," said Thomas M. Rozek, President and Chief Executive Officer.

The Ambassador's rich and varied life was filled with many career and philanthropic successes. He was awarded the Bronze Star as a counter-intelligence officer during World War II. He then went on to run a prosperous South Florida law practice. Later, the Ambassador's leadership as a political fundraiser led to his appointment by President Jimmy Carter as U.S. Ambassador to the Vatican.

A turning point for Ambassador Walters was the loss of his granddaughter Shannon Joy Smith to leukemia in 1969. This

tragedy led the Ambassador to commit his legendary energy and resolve to bringing advanced pediatric tertiary care and specialty services to the children of South Florida.

The Ambassador joined the hospital's board of directors and later assumed the chairmanship. He also helped activate Miami Children's Hospital Foundation, the hospital's fundraising arm, in 1982, and later served as the foundation's president from 1983 to 2002. Throughout his many years of service, the Ambassador worked tirelessly to raise funds and forge alliances that made it possible for the hospital to expand and grow.

Thanks to his leadership, the tiny Variety Children's Hospital was transformed into one of the best hospitals for children in the United States—a facility that today attracts families from throughout the world in search of leading-edge treatments.

"Miami Children's owes much to Ambassador Walters. His vision and commitment will live on in the children whose lives are made better through the programs and services of this great hospital," said Mr. Rozek.

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"Medical education is one of our most central missions. Through this leadership we ensure that quality physicians are available to serve the children of tomorrow."

Christian C. Patrick, MD, PhD, Chief Medical Officer/ Senior Vice President for Medical Affairs



THE LEADER IN

MEDICAL EDUCATION ON THE RISE

A leading provider of medical education in the Southeast

At Miami Children's Hospital, the next generation of pediatricians and pediatric subspecialists is already hard at work. The hospital is proud to be the largest pediatric teaching hospital in the Southeastern United States, offering training for 66 pediatric residents and 17 subspecialty fellows annually.

"Medical education is one of our most central missions," said Christian C. Patrick, MD, PhD, Chief Medical Officer/Senior Vice President for Medical Affairs. "Through this leadership we ensure that quality physicians are available to serve the children of tomorrow." surgery, pediatric emergency medicine, pediatric critical care, pediatric radiology and clinical neurophysiology.

Miami Children's pediatric residents rotate through an affiliate institution, the University of Miami, where residents gain experience in the care of healthy newborns. Other affiliates, such as State University of New York Health Science in Brooklyn, New York; Nova Southeastern University of the Health Sciences-College of Osteopathic Medicine and St. George's University in Grenada have medical students rotate through Miami Children's for clinical training.

PEDIATRIC EDUCATION

Medical students from all over the United States and around the world apply each year to the hospital's three-year primary care pediatric residency training program, which is accredited by the Accreditation Council of Graduate Medical Education (ACGME).

The program—now in its 42nd year—offers experience in all facets of pediatric care from complex intensive care to the office practice of general pediatrics. Pediatric residents receive clinical training and participate in a well-organized educational program of seminars and teaching conferences that provide a balanced and complete education.

In addition, the hospital offers ACGME-approved fellowship programs in adolescent medicine, craniofacial

In 2004, the hospital added a new dimension to its teaching program, a Pediatric Simulation Laboratory. This lab features a high-tech, child-sized mannequin programmed for medical simulation that has the capability to mirror the parameters and medical responses of a 7-year-old patient. The simulator provides opportunities for residents to be tested in mandatory competencies, practice different techniques and work with a team under emergent scenarios to test skills.

The Pediatric Human Patient Simulation Program is made possible through a generous grant from the Peacock Foundation. The Pamela Garrison Simulator has been funded by South Florida philanthropist R. Kirk Landon.

THE LATEST TREATMENTS

MCH establishes Clinical Research Center

The Miami Children's Hospital Research Institute—one of the largest providers of pediatric research in the region—took a major step to advance the hospital's participation in clinical research in 2004 with the formation of its Clinical Research Center. The new entity offers busy physicians and research sponsors "one-stop shopping" for research initiation, management and support.

"The Clinical Research Center provides practicing physicians the wherewithal to participate in research that might otherwise be impractical for them to consider," said Stuart Horowitz, PhD, Director of the Miami Children's Research Institute. The center shoulders many of the complexities associated with clinical research, including serving as a The Clinical Research Center is integrated throughout the hospital as well as among offices of investigating physicians, as many research protocols and follow-up visits are conducted in the clinicians' offices.

For more information on the Clinical Research Center, please contact Stuart Horowitz at (305) 663-8542.

Uncovering Perils of Star Anise Tea and Other 2004 Research Highlights

Miami Children's Hospital's Clinical Research Institute launched several new research initiatives in 2004. Here are some highlights: Thanks to research conducted by Miami Children's emergency room physician Barbara Peña, MD, MPH,

RESEARCH CENTER

liaison with sponsors, managing budget negotiations, providing support with patient recruitment and specimen logistics, and managing statistics and analysis. This makes it possible for more physicians to embrace clinical research opportunities that can enhance the care of patients.

This centralized management and oversight of research offered by the Clinical Research Center is also attractive to research sponsors, including government entities and pharmaceutical companies. "The center offers a single point of contact for sponsors and provides them with confidence that recruitment and management will be professional and that studies will be conducted in compliance with all applicable guidelines," said Dr. Horowitz.

All of this is good news for patients, who benefit from opportunities to participate in the latest treatment methods and diagnostic modalities. The Clinical Research Center staff works individually with families to explain studies and their associated risks and benefits. The team continues to work with the family throughout the course of each study to ensure that individual needs are met. the Food and Drug Administration (FDA) has issued a warning against the use of tea made from star anise—a home remedy used for generations to soothe colicky infants.

Dr. Peña and collaborators at Florida International University and the University of Miami documented cases of children who experienced seizures and other neurological deficits after having consumed tea made from star anise, including seven youngsters who presented with symptoms at Miami Children's Hospital.

The popular brew is no longer deemed safe for human consumption by the FDA because the ingestible varieties have become contaminated with a strain of star anise that is intended for decorative use only. Because the two varieties are virtually indistinguishable, they can become mixed before being shipped to the United States for packaging and sale.

Identifying the Best Treatments for Epilepsy

Miami Children's in 2004 became one of a nationwide group of medical centers to share in a \$17 million grant

"The Clinical Research Center provides practicing physicians the wherewithal to participate in research that might otherwise be impractical for them to consider."

Stuart Horowitz, PhD, Director of Miami Children's Research Institute



BECOMES A REALITY

"The grant is the largest ever awarded for a clinical research study of pediatric epilepsy, and the clinical trial will be the largest comparison of available drugs for the treatment of pediatric epilepsy ever conducted."

Dr. Michael Duchowny, Director of the Comprehensive Epilepsy Program



from the National Institute of Neurologic Disorders and Stroke—a division of the National Institutes of Health—for a clinical research study of childhood absence (petit mal) epilepsy.

The grant funds a comparison of the three most commonly used anti-epileptic drugs for absence seizures, which account for 10 to 15 percent of all cases of epilepsy in children.

The goal is to determine the best initial medicine for childhood absence epilepsy. The five-year study will enroll 439 children—ages 2 to 13—at 20 sites throughout the country. Miami Children's Hospital is one of these sites.

"The grant is the largest ever awarded for a clinical research study of pediatric epilepsy, and the clinical trial will be the largest comparison of available drugs for the treatment of pediatric epilepsy ever conducted," said Dr. Michael Duchowny, Director of the Comprehensive Epilepsy Program at MCH who is spearheading the hospital's participation in the study.

Staving off the Devastation of Huntington's Disease

Collin Hovinga, Pharm.D, a research neuropharmacologist with the MCH Brain Institute was awarded a contract to work with the National Institutes of Health (NIH) to help identify drugs to prevent the progression of Huntington's disease, a devastating degenerative brain disorder for which there is currently no effective treatment or cure.

Dr. Hovinga is the lead investigator in the multicenter study, which seeks to identify the most promising treatments for Huntington's disease. The effort is supported by the National Institute of Neurological Disorders and Stroke, a division of NIH and is funded by High-Q Foundation, a non-profit organization dedicated to finding and developing treatments for Huntington's disease. To date the project has identified approximately 200 drugs or other compounds that have shown potential to modify the progression of the disease. "Huntington's disease is a devastating genetic disorder that destroys the lives of those who inherit it. Through our efforts, we give new hope to families who carry the Huntington's disease gene," said Dr. Hovinga.

Saving the Sight of Babies with Cataracts

The Miami Children's Hospital Department of Ophthalmology is participating in a National Institutes of Health-funded study to determine the optimal means of correcting the vision of infants who have undergone cataract surgery.

Thirteen centers nationwide are participating in the study, which will compare lens implants (intraocular lenses) and contact lenses as a means of correcting the vision of children under 7 months of age who have had a cataract removed from one eye. MCH is the only center in South Florida participating in this important research.

Dr. Stacey Kruger is spearheading MCH's participation in the study. Children will be randomly assigned to receive either the intraocular lens or a contact lens. The effectiveness of the two treatments will be measured over time, comparing visual acuity as the infants mature, the frequency of complications, the need for subsequent surgeries and parental stress.

Helping Find the Best Treatment for a Chronic Kidney Disease

The Miami Children's Hospital Department of Nephrology is participating in a national, multi-center study to identify optimal treatment for children and young adults with focal segmental glomerulosclerosis (FSGS), a chronic disease of the filtering units of the kidney.

The study, sponsored by the National Institutes of Health, and the National Institute of Diabetes and Digestive and Kidney Diseases, seeks to determine which of two accepted drug treatments offers the best outcomes.

FSGS is a kidney disorder that progresses to end-stage renal disease in approximately 50 percent of patients. It accounts for 15 percent of end-stage renal disease in children and 5 percent in adults. This study will enroll 500 children and young adults throughout the U.S. Dr. Ana Paredes is the lead investigator at Miami Children's Hospital.

BUILDING ON A

GROUNDBREAKING AMBULATORY CARE BUILDING

Work begins on a new ambulatory building

With the tilt of a shovel, ground was broken in 2004 on a new 68,000 square-foot Ambulatory Care Building on the hospital's main campus—the final phase of Miami Children's "Building on a Dream" expansion and renovation program.

The planned three-story structure will provide muchneeded space for high-demand services and will be connected to the existing hospital corridor system on all three floors. When the new building is completed in 2006, it will house the hospital's Pediatric Care Center, Congenital Heart Institute, Brain Institute, Plastic Surgery and the Craniofacial Center, as well as a new café. "This new structure will enable us to better meet the needs of the fast-growing South Florida pediatric population," said Thomas M. Rozek, President and CEO.

2004 also marked the completion of the hospital's lobby renovation. The new lobby borrows circular themes and color schemes from the exterior to create a playful and inviting space for families arriving at the hospital. Enhancing the lobby are two original wall murals generously donated by Fort Lauderdale artist, Libby Hodges.

Other completed elements of the hospital's "Building on a Dream" expansion and renovation program include a new 10,000 square-foot MRI building and a new raised helipad.

In addition, the hospital has been encased in stormresistant paneling. The panels have been anchored to the hospital's exterior to boost the facility's ability to withstand a major hurricane. The unique design of the paneling has also given a dramatic boost to the hospital's appearance, dividing the exterior into separate pavilions that create a more intimate and inviting scale. Each pavilion hosts a different color scheme and character, incorporating circular forms, pitched roofs, checkerboard patterns and sculptural relief treatments depicting Florida animals. "This new structure will enable us to better meet the needs of the fast-growing South Florida pediatric population."

Thomas M. Rozek, President and CEO



DREAM

OK FINE PROGRAM HELPS KIDS Stay Fit and Promotes School Success

MCH and MCH Foundation team up with the Department of Education to help children stay fit

Good health is known to contribute to academic achievement. To help children in the city's Overtown community reach their academic potential, Miami Children's Hospital in 2004 teamed up with the Florida Department of Education, the Alonzo Mourning Foundation and other sponsors to develop the OK FINE (Overtown Kids-Fitness, Involvement, Nutrition and Education) program.

"Through this collaborative effort, Miami Children's Hospital and its foundation aim at improving the health of at-risk children by giving them the support they need in promoting good nutrition and physical fitness, identifying and treating medical conditions, and improving self-esteem," said Dr. Deise Granado-Villar, Director of Preventive Medicine and Community Pediatrics. "Our efforts with these children will ultimately lead to enhancing their academic performance and contribute to the shaping of their future. We are proud to be able to play a role in improving health outcomes of this community where the needs are so vast."

OK FINE is housed in the Overtown Youth Center, a facility donated by the Alonzo Mourning Charities, and offers recreational and academic after-school and summer programs for children at risk of poor classroom performance. The program is being considered as a model for other communities. Since it was launched in March of 2004, the program—the first of its kind to be funded by the Florida Department of Education—has touched the lives of more than 900 children and families. Children participating in the program are offered a health assessment that includes physical, behavioral, nutritional and fitness components. The outcome of the assessment determines the type of intervention appropriate for each child. Services include individual and group health promotional activities, including fitness and nutrition classes, programs to promote self-esteem, and psychosocial assessments and counseling. The staff includes a program coordinator, a nutritionist, a fitness instructor, a nurse practitioner and social workers. Emphasis is placed on providing children with a medical home for routine care.

The OK FINE staff strives to involve parents in improving children's health. "It is a highly rewarding experience to see how children adopt healthy practices learned from our team members. Parents play a most important role by being informed and getting involved in their children's issues so that our efforts are reaffirmed in the household," said Adebola Olayinka, Program Coordinator for OK FINE.

The OK FINE program is made possible through the commitment of Miami Children's, the Florida Department of Education, The Ethel and W. George Kennedy Foundation, Peacock Foundation, Inc., Collins Center for Public Policy, Inc., Dade Community Foundation, The Estee Lauder Companies, P.L. Dodge Foundation, General Mills Foundation, AT&T Foundation and the Embrace Girls Foundation.



"We are proud to be able to play a role in improving health outcomes of this community where the needs are so vast."

Dr. Deise Granado-Villar, Director of Preventive Medicine and Community Pediatrics



PEDIATRIC POSTGRADUATE COURSE

MCH draws pediatricians from throughout Americas

More than 800 physicians and healthcare professionals from many countries learned about the latest advances in pediatric medicine at MCH's 39th Annual Pediatric Postgraduate Course, "Perspectives in Pediatrics." Participants converged at the Fontainebleau Hilton in January 2004 to participate in programs led by MCH physicians as well as nationally acclaimed physician guest speakers.

"Perspectives in Pediatrics" is the longest-running independent continuing medical education program in the United States and enables pediatric experts from all over the U.S. and Latin America to keep abreast of the latest developments. Conference presenters covered wide ranging topics from neurobehavioral disorders, pediatric dermatology, pediatric vision screening, lead toxicity, adolescent medicine issues, congenital heart disease and more.





HELPING THOSE WHO NEED US MOST

How MCH fulfills its charitable mission

In 2004, Miami Children's Hospital provided more than \$11.7 million in uncompensated care to meet the needs of South Florida's children.

Most of these funds provide essential inpatient and outpatient services for uninsured children with serious or critical care needs as part of the hospital's important ongoing role as a regional safety net hospital.

In addition, approximately \$500,000 supports primary care of at-risk children through the hospital's Health-on-Wheels outreach program. The program, administered by Miami Children's Division of Preventive Medicine, features two 40-foot mobile medical/dental units that provide primary care services at public schools, migrant camps and community activity centers with high populations of at-risk children. The mobile units are staffed by board-certified practitioners, nurse assistants and paramedics. To date, the team has served more than 95,000 children and adolescents in Miami-Dade, Broward and Monroe counties. The program targets medically uninsured children and works to establish a medical home for them to ensure continuity of care and promote better health.

Since the program's inception in 1995, more than 462 children with life-threatening diseases have been diagnosed and treated successfully. As of 2004, the Health-on-Wheels program has administered 37,000 immunizations, 4,091 tuberculosis tests and 5,805 hearing and vision tests, provided acute care to more than 49,000, and conducted over 75,000 preventive health screenings.

For more information on the Health-on-Wheels program, please call the Department of Preventive Medicine at (305) 663-6854.

HURRICANE HEROES

How MCH supported the community in a time of need

For most Floridians, 2004 will be remembered as the year of the hurricanes. As storm after storm pounded the state during August and September, Miami Children's prepared for the worst while reaching out to those coping with the effects of the relentless chain of hurricanes.

Here's how Miami Children's made a difference: Immediately after Hurricane Charley left battered Port Charlotte in its wake, Miami Children's LifeFlight® helicopter transport team was airborne. LifeFlight® crews worked for more than 24 hours navigating through bad weather and power outages to transport patients from storm-ravaged hospitals to safe care settings.

As menacing Hurricane Frances hovered off the east coast of Florida, Miami Children's Hospital reached out to families coping with storm-related anxieties. The hospital established a dedicated phone line offering advice and tips for families on how to discuss the storm with their children. The 1-800-KIDSPAL phone line was promoted on the crawl type during local television coverage of Hurricane Frances and resulted in about 150 calls throughout the storm and its approach. Miami Children's had ample opportunity to fine-tune its hurricane response plans. During the protracted approach of Frances, the hospital provided food and shelter to 938 working employees, physicians and family members.

After Hurricane Jeanne dealt the West Palm Beach area its second major hurricane-related blow, Miami Children's sent its Health-on-Wheels mobile health unit to the region to provide medical care for displaced families. Members of the Division of Preventive Medicine provided care for nearly 100 children during a three-day stay at a tent city in Pahokee, Florida.

"The dedication, teamwork and level of caring demonstrated by the employees, medical staff and volunteers of Miami Children's Hospital before, during and after the 2004 hurricane season have been remarkable. Each and every department has played a vital role in the preparation and execution of our hurricane plan and in supporting those in our community who were affected by the storms," said Thomas M. Rozek, President and CEO.

LifeFlight[®] crews worked for more than 24 hours navigating through bad weather and power outages to transport patients from storm-ravaged hospitals to safe care settings.



MCH BRAIN INSTITUTE BRINGS NEW HOPE

Federal and private funding expands leadership

Expanding Leadership in Neuroscience

Miami Children's Hospital is poised to further solidify its already substantial leadership in pediatric neuroscience practice and research, thanks to a generous grant from the federal government, evolving relationships with Florida International University (FIU) and University of Miami School of Medicine, and several key research grants.

The year 2004 brought significant funding and research-related advancements for the hospital's Brain Institute, the nation's first comprehensive program dedicated solely to the pediatric neurosciences. Served by the largest team of pediatric neurospecialists in the country, the Brain Institute fosters integrated research, and offers the latest diagnostic modalities, and medical and surgical care for children with a full spectrum of neurological disorders, including autism, behavioral disorders, cognition, birth defects, cerebral palsy, headaches, seizures, sleep disturbances, tumors, trauma, metabolic conditions and infections. Dr. Wei-Chiang Lin was appointed to this professorship in August. He received his doctoral degree in neuroscience from Vanderbilt University, where he served as the principal investigator in numerous projects developing novel optical technology to study the brain. His initial focus will be to develop hand-held optical probes to differentiate normal and abnormal brain tissue boundaries and monitor brain tissue function and vitality.

Research ties with the University of Miami School of Medicine were further strengthened when Miami Children's scientist Dr. Collin Hovinga initiated joint projects with teams from the Miami Project to Cure Paralysis related to protecting the developing brain after acute injuries such as stroke and trauma. Joint studies on autism are also being planned.

A Generous Gift

In November, the Brain Institute received yet another boost when the Ware Family Foundation pledged \$1 million to FIU to support

ADVANCEMENTS IN

"2004 has been an important year for the Brain Institute. It has brought new affiliations and funding sources that promise to bring about significant advancements for children with neurological disorders," said Dr. Prasanna Jayakar, Chair of the MCH Brain Institute Executive Committee.

Federal Funding to Enhance Neurosurgical Outcomes

The Brain Institute received a boost in 2004 when Congress awarded the hospital nearly \$2 million in federal funding, most of it earmarked for the purchase of an intraoperative MRI scanner. This new technology will enable Brain Institute neurosurgeons to perform otherwise impossible-to-achieve brain scanning during surgery, updating images frequently to maximize surgical efficiency and preserving healthy tissue while ensuring the effective removal of tumors or abnormal seizure-producing tissue. The technology also offers tremendous new research opportunities and treatment options for conditions such as movement or behavioral disorders.

Successful Partnerships

2004 also saw the Neuro-engineering Program—a dynamic partnership between the hospital and the FIU Department of Biomedical Engineering—secure \$1 million in funds from the National Science Foundation that promises to further strengthen Brain Institute research and clinical excellence.

The Neuro-engineering Program in 2004 began supporting a clinical professorship in biomedical engineering in the field of neuroscience.

collaborative neuro-engineering research to be conducted at Miami Children's. The gift is to be matched by \$400,000 in state funding.

This funding will establish a Neuro-engineering Research Laboratory at Miami Children's, which will integrate neuroscience and engineering research activities with the goal of bringing the latest neuro-engineering technologies to the care of children. Areas targeted for research include the study of dynamic functions of a child's brain, real-time, imaging-guided surgery, and developing novel tools to help improve quality of life for neurologically handicapped children.

Building on a Strong Foundation

The Miami Children's Brain Institute is already a national leader in neuroscience care, widely recognized for its focus on functional characteristics of the brain. New research developments for 2004 include the study of connecting pathways between brain regions using the technique of "tractography" conducted by scientist Dr. Byron Bernal. Grants from NIH and other agencies support the research by scientist Dr. Collin Hovinga on Huntington's disease and stroke in children.

"We are most grateful for our university collaborations, the South Florida congressional delegation and the Ware Family Foundation for their commitments to the Brain Institute and the children of South Florida," said Dr. Jayakar. "2004 has been an important year for the Brain Institute. It has brought new affiliations and funding sources that promise to bring about significant advancements for children with neurological disorders."

Dr. Prasanna Jayakar, Chair of the MCH Brain Institute Executive Committee



NEUROSCIENCE

"Because children are still growing and developing, they experience different types of injuries when compared with adults."

Stephen Swirsky, DO

ADOLESCENT& SPORTS

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As part of Miami Children's Hospital's commitment to offering a full spectrum of pediatric specialty care services, the hospital has recently recruited physicians specializing in adolescent medicine and sports medicine to its ranks.

Division of Adolescent Medicine

Teenagers can present special challenges, not only for their parents, but for their pediatricians, too. Enter the MCH Division of Adolescent Medicine, with specialists who partner with area pediatricians to help address complex patient and family issues associated with puberty.

"We deal with medical, social and behavioral problems, which in many cases are interrelated," said Dr. Lorena Siqueira, Director of the Division of Adolescent Medicine and a board-certified pediatrician who is fellowship trained in adolescent medicine. Each year, one board-eligible pediatrician (internist or family practitioner) is accepted into the three-year program to prepare for an academic career.

Services provided by the Division of Adolescent Medicine include:

- Medical care for acute and chronic illness
- Evaluation and treatment of issues related to puberty
- Evaluation and treatment of menstrual issues
- Gynecological exams
- Family planning services
- Evaluation and treatment of sexually transmitted infections (STIs)
- Helping parents cope with sexually active teens
- Behavioral issues and interventions
- Treatment of eating disorders and obesity
- Smoking/tobacco cessation
- Treatment of substance abuse
- Helping families deal with parent-teen conflict.

For more information on adolescent medicine services, please call (305) 668-5525.

MEDICINE NOWAT MCH

"For instance, a girl who becomes an adult physically at an early age may be pressured into sexual behaviors. Or a boy who develops more slowly may unfairly need to compete in sports with much larger classmates."

One of the main challenges of adolescent medicine is sorting out the emotional from the physical, as well as providing preventive care. "Adolescents' physical, emotional and behavior issues are very different from young children," said Dr. Siqueira. "Teenagers also need to be treated differently in the physician's office."

Many referrals to the Division of Adolescent Medicine are related to puberty issues. The division's services include evaluation and treatment of a wide range of concerns, from eating disorders to gynecological issues. Despite the belief that adolescence is a turbulent period for young adults and their parents, Dr. Siqueira reports that the majority of teenagers do quite well during this time. "Adolescents need a significant amount of reassurance, guidance and support to make the right decisions, and our division is part of that supporting team, which includes their primary care physicians and their parents, "she said.

In 2004, the newly formed Division of Adolescent Medicine received accreditation for a fellowship program to train future adolescent medicine specialists. It is the only such program in Florida.

Sports Medicine

Children and sports go together like bats and gloves. So it's only fitting that the Orthopaedics Division at MCH has recently added to its team one of the region's first pediatric sports medicine specialists. Stephen Swirsky, DO, brings a special focus on treatment and prevention of sports injuries. He served as an athletic trainer and physical therapist before earning his medical degree at Nova Southeastern University and completed an orthopaedic surgery residency at Jackson Memorial Hospital. Today, Dr. Swirsky is dedicated to the treatment of pediatric sports injuries. "Because children are still growing and developing, they experience different types of injuries when compared with adults," he said. "If a child encounters something other than a bruise, it should be evaluated by a physician," said Dr. Swirsky. "Most of the time you can tell when kids are hurt, but not always. They may try to hide pain because they do not want to miss practice or a game," he said.

Dr. Swirsky conducts sports physical exams for Miami-Dade County high school athletes and is team physician for Michael Kropp High School.

For more information on sports medicine services, call (305) 662-8366.

THE RIGHT TREATMENT RIGHT NEXT DOOR

2004 began with a jolt for the Fuerst family of Palmetto Bay. Gregg and Trisha Fuerst were eager to learn the cause of their 4-year-old son Ryan's regular headaches. But they were not prepared for the diagnosis that would follow.

In January, Ryan's pediatrician referred the chatty and inquisitive preschooler to a neurologist to investigate the source of the headaches he had been experiencing on an almost nightly basis. Ryan underwent an MRI at Miami Children's Hospital. Then came a call from Dr. John Ragheb, Director of the Division of Neurosurgery at Miami Children's. This division receives referrals of challenging neurosurgical cases from throughout the country.

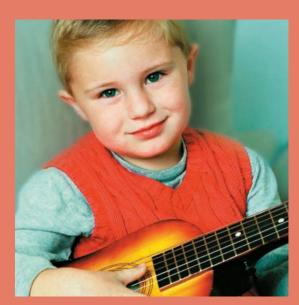
"Dr. Ragheb explained that Ryan had a rare condition. An arachnoid cyst was embedded at the center of his brain. The cyst was inhibiting the flow of spinal fluid within his brain, causing pressure to build dangerously," recalled Trisha. She was told that Ryan would need to undergo surgery right away.

"This was such a traumatic moment, but somehow Dr. Ragheb made us feel from the very start that everything would be alright," said Trisha. "Looking back, I'm not sure how we got through it. I think it was Dr. Ragheb's manner and his confidence that he could help Ryan."

Ryan benefited from a new minimally invasive surgical technique that enabled the team to remove the plum-size cyst without creating a large opening in Ryan's skull. Instead, a tiny portal was made in the skull through which a three millimeter neurosurgical endoscope and miniature surgical tools were inserted. The cyst was punctured and collapsed through this small hole in Ryan's scalp.

The Fuersts are delighted with the outcome. "Within minutes of emerging from surgery, Ryan was talking," Trisha recalled. "We knew then that he was going to be fine." Today, Ryan is a playful, enthusiastic preschooler who loves to talk and asks a million questions.

"We are so grateful. If it weren't for this excellent team, we might have had to travel out of state for care. We received the best care available, right near home," said Trisha.



"Within minutes of emerging from surgery, Ryan was talking. We knew then that he was going to be fine."

Trisha Fuerst, mother of Ryan Fuerst

A HEART-SAVING GIFT FOR RAEGAN

When Kurt and Lorrie Hertzog of Rochester, Pennsylvania received a gift subscription to *Reader's Digest* in 1999, they never imagined that this would be one of the most important gifts of their lives.

The Hertzogs were then new parents of a tiny little girl with some very big medical problems. Born without a pulmonary artery and with a hole between the lower chambers of her heart, 10-month-old Raegan was severely ill. Already, pediatric heart specialists in Pittsburgh had told the family there was nothing they could do for the child.

That's when the Hertzogs opened the gift magazine and read about a little girl born with similar heart complications who was thriving after surgery at the Congenital Heart Institute at Miami Children's Hospital.

After Raegan was evaluated at Miami Children's, Drs. Redmond P. Burke, Director of Cardiovascular Surgery, and Evan Zahn, Director of Cardiology, met with the Hertzogs and described a care plan that they believed would offer Raegan at least a 50 percent chance for survival. "That was such a moment for us. It was the first hope that we had since Raegan was diagnosed," said Kurt, an Army reservist.

The biggest initial hurdle for the interventional team was the pulmonary artery. Raegan was without even the beginnings of an artery, which would make her surgery especially challenging. In the first stage of this complex procedure, Dr. Burke used donor tissue to create an artery and connect it to the child's heart.

Next, the team focused on expanding the two undersized arteries connected to Raegan's lungs that were inhibiting blood flow. Over several years, Raegan had multiple interventional catheterization procedures at Miami Children's that gradually expanded the arteries, which were especially small and non-elastic.

In 2004, Dr. Zahn employed an innovative "cutting balloon" device that proved effective in opening the child's constricted arteries. Later that same year, Drs. Burke and Zahn collaborated for a surgical/catheterization hybrid procedure during which they replaced the initial donor tissue with a larger one more appropriate for Raegan's age and further expanded her small lung arteries with the use of intraoperatively implanted metal stents.

All of this has paved the way for the final phase of Raegan's heart repair, expected to take place in 2005. After Dr. Zahn further enlarges the stents in the catheterization laboratory, Dr. Burke is slated to close the hole in the lower chambers of Raegan's heart, which will allow the organ to function completely normally for the first time.

To meet Raegan today, one would never guess all that she has faced in her short life. The dynamic 6-year-old loves dinosaurs and alternately makes plans to be a paleontologist, surgeon or veterinarian. She enjoys singing and dancing, and knows all the songs to the Broadway show "Cats." "Raegan is a determined child who will not take 'no' for an answer," said Lorrie. "I think having all this in her life has given her tremendous strength."

That was such a moment for us. It was the first hope that we had since Raegan was diagnosed."

Kurt Hertzog, father of Raegan Hertzog



RICKY'S ROAD TO REMISSION

Ricky Oxenhandler was right in the middle of an extremely active and athletic childhood when he awoke one morning with surprising stiffness and pain in his lower legs.

The busy 10-year-old tried to shrug off the discomfort. But a few days later the stiffness was back with a vengeance and Ricky found that he was unable to walk.

So began a six-month odyssey for the Oxenhandler family of Cooper City, Florida as they visited area specialists in search of the cause of the debilitating pain and stiffness that was increasingly encroaching on Ricky's once carefree life.

"The pain was very intense and surprising. It seemed to come out of nowhere," Ricky said. "One night I would be out with my friends and the next morning I wouldn't be able to get up at all."

In June of 2000, Ricky was referred to Miami Children's Hospital when the family sought more specialized help. It was during this hospitalization that the Oxenhandlers finally obtained a diagnosis. Dr. Rafael Rivas-Chacon, Director of the Miami Children's Division of Rheumatology, determined that Ricky had juvenile spondyloarthropathy, a form of arthritis that affects the spine and lower portions of the body. Under the care of the Miami Children's Division of Rheumatology, Ricky began treatments with medications and regular physical therapy that helped him regain function lost as a result of his arthritic flareups. Each flare-up required several months of therapy and hard work to get him back on his feet. "Ricky is a remarkable boy," said Dr. Rivas-Chacon. "He had to learn to walk three times while recovering from arthritic episodes. He is a wonderful inspiration for other children with arthritis."

After three more episodes, Ricky's arthritis finally went into remission. Today, the high school freshman and honors student is back playing his favorite sport, basketball. He also is a soccer referee and during the summer serves as a counselor for Camp Funrise, the hospital's summer sleep-away camp program for children with rheumatologic conditions. Ricky has also served as a spokesperson for the Arthritis Foundation's Broward County Region and is a three-time Junior Marshall for the chapter's annual fundraising walk. He has personally raised more than \$8,000 for the Arthritis Foundation.

"We are grateful to Miami Children's for providing us with a diagnosis and for setting us on the path to restoring Ricky's health," said Marla Oxenhandler, Ricky's mother.

"We are grateful to Miami Children's for providing us with a diagnosis and for setting us on the path to restoring Ricky's health."

Marla Oxenhandler, mother of Ricky Oxenhandler



SOFIA'S SECOND CHANCE

In the first hours of 2004, Marta Blanco felt as though she was waking from a nightmare. It was New Year's Day and Marta's 4-year-old daughter Sofia had just opened her eyes for the first time since she was brought to Miami Children's in critical condition in December of 2003.

"She opened her eyes and I told her she had been a very sick little girl, but that I was with her and lots of people were going to take care of her until she got better," said Marta.

The life and death drama began weeks earlier, when Marta noted an enlarged lymph node in Sofia's groin during bath time. The child's pediatrician indicated that the lump was caused by an infection. But days later, Sofia's health was rapidly declining as antibiotic treatments failed to curb the apparent infection. Sofia was admitted to an area hospital with a high fever and labored breathing.

While hospitalized, Sofia's condition worsened dramatically and doctors began to suspect they were battling a very different foe: cancer. But time was needed to obtain a definitive diagnosis and Sofia's hours were clearly numbered. In late December, the critically ill child was transferred to Miami Children's Hospital where she could receive Extracorporeal Membrane Oxygenation (ECMO), a heart and lung bypass therapy that would enable Sofia's failing heart and lungs to rest and recuperate while a diagnosis was made. At Miami Children's, Dr. Enrique Escalon, Director of the hospital's Cancer Center suspected the culprit was Non-Hodgkin's Lymphoma, a difficult-to-diagnose cancer of the lymph system. Concerned by the aggressive nature of the cancer, Dr. Escalon persuaded Marta and Marta's father, a New Orleans-based physician, to permit the team to give Sofia chemotherapy while the child was still on ECMO. This treatment seemed the only hope for a little girl in such rapid decline.

"Dr. Escalon asked us to take a leap of faith and we are so glad that we did," said Marta. Within days of the start of chemotherapy, Sofia was rallying.

Today, Sofia is a happy 5-year-old who loves playing with her younger sister and looks forward to entering the classroom in the fall.

"We have so much to be grateful for," said Marta. "I am thankful for the doctors who knew when to send us to Miami Children's and to Dr. Escalon for urging us to forge ahead with the chemotherapy. And we love the doctors and nurses from the Pediatric Intensive Care Unit. They were amazing and so supportive of us every step of the way."



"We have so much to be grateful for. I am thankful for the doctors who knew when to send us to Miami Children's and to Dr. Escalon for urging us to forge ahead with the chemotherapy."

Marta Blanco, mother of Sofia Blanco

FROM NORTH TO SOUTH THE PICTURE OF HEALTH

Offering pediatric services throughout South Florida

Miami Children's Hospital Dan Marino Center



Miami Children's Dan Marino Center added magnetic resonance imaging (MRI) and aquatic therapy to its scope of services in 2004, while the center's popular therapeutic summer day camp celebrated its third successful year.

In April, the Dan Marino Center became the first and only facility in Broward County to offer pediatric MRI imaging. The service duplicates the quality of care available at Miami Children's, as radiologists at the main campus monitor each MRI performed via a high-speed data connection. MRI technologists at the Dan Marino Center are highly trained and experienced in imaging children.

The new Aquatic Therapy Program utilizes the properties of water combined with traditional therapy techniques to help children with a variety of conditions, including cerebral palsy, Down's syndrome, muscular dystrophy, juvenile arthritis, perceptual difficulties and sensory integration dysfunction.

Camp DMC continued to offer families of children with autism, developmental disabilities and social skills deficits with a day camp program that combines fun and fellowship with therapeutic activities to enhance skills. The program has rapidly become an important fixture in the community. Families of camp participants consistently report that their children have made significant progress as a result of their camp experience.

BRINGING KIDS

The Dan Marino Center provides specialized services for children at risk for developmental and psychological problems and experienced more than 50,000 patient visits in 2004. The center has realized double-digit growth since its inception in 1998. This increase has led to a planned 5,000 square-foot build out scheduled to begin construction in March 2005. Services at the center include speech, occupational and physical therapy, neurology, psychology and behavior modification, educational services, EEGs, video EEG telemetry and evoked potential studies. At the center, children with developmental disabilities and chronic medical problems receive the most comprehensive and integrated treatment available in an outpatient setting.

The Dan Marino Center is located at 2900 South Commerce Parkway in Weston. For more information, please call (954) 385-6200.

Miami Children's South Dade Center

The Miami Children's South Dade Center continued its remarkable growth in 2004, with its Rapid Care Center In addition subspecialty services, including adolescent medicine, are available during the week as well. The Miami Children's Hospital Preventive Medicine/Health-on-Wheels program is also based at the South Dade Center. The Health-on- Wheels van visits schools throughout the region, offering medical and dental exams, and immunizations to children in need.

The South Dade Center is located at 17615 SW 97th Avenue in Palmetto Bay. For more information, please call (786) 268-1776.

Miami Lakes Rehabilitation Center

Miami Children's Miami Lakes Rehabilitation Center continued to offer convenience to families located in the northern part of the county. The Center, which provides audiology, and physical, occupational and speech therapies, provided on-going treatment for hundreds of children in 2004.

The center is located at 14505 Commerce Way, Suite 450. For more information, call (305) 512-1550.

HEALTHCARE CLOSER

experiencing a 31 percent increase in patient volume. The number of patient visits for the year totaled 11,243, compared with 8,551 in 2003. The Rapid Care Center offers after-hours care for children with minor illnesses or injuries. Service hours are 3 p.m. to midnight Monday through Friday and 11 a.m. to midnight Saturday and Sunday. Plans are underway to expand hours in 2005.

In addition to the Rapid Care Center, the South Dade Center offers comprehensive rehabilitation services which include audiology, and physical, occupational and speech/language therapies. The center's Early Steps Program is designed to help children from birth to 36 months of age who have been identified as having, or being at risk for, developmental delays.

Kidsville Program

Miami Children's Kidsville program enables families seeking care at other hospitals in the region to benefit from Miami Children's pediatric care leadership. The program includes three Kidsville emergency care centers located at Palms West Hospital in Palm Beach County, North Collier Hospital in Naples and Kendall Medical Center in Miami.

During 2004, the Kidsville program saw increased patient volume built on the strength of the Miami Children's Hospital brand name. The Kidsville facilities extend Miami Children's presence within the community and support the hospital in building referrals of children requiring additional care.

The Miami Children's South Dade Center continued its remarkable growth in 2004, with its Rapid Care Center experiencing a 31 percent increase in patient volume.

SPECIAL CAMPS FOR SPECIAL KIDS

MCH specialty camps offer play and fellowship for children with chronic illnesses

A cool pool on a warm day. Hanging out with friends without feeling "different." Vacationing away from the confines of home or hospital. These are some of the simple joys of childhood that can seem out of reach for children with chronic health conditions. As part of its holistic approach to the care of critically ill children, Miami Children's Hospital offers a series of special camps that have enriched the lives of thousands of children from South Florida and beyond.

"Our camp program offers children with special needs the chance to escape some of the restraints of illness, giving them the opportunity to enjoy activities and friendship with children with similar needs in a safe and supportive setting. This experience can build confidence and can be extremely liberating for the child and the family," said Janet Bell-Taylor, Director of Patient and Family Services at MCH.

Diabetes Youth Camp

Children ages 6 to 12 from throughout the United States and South America gather to participate in the Diabetes Youth Camp each summer. Managed by the Department of Endocrinology, the camp features two week-long sessions designed to help children enjoy camaraderie with others with similar health concerns, while developing confidence and independence. The camp is sponsored in part by the Lions Association and the hospital.

"I started camp when I was 6 and it was there that I learned to take my own blood sugar and give myself insulin injections. Learning how to manage my own health gave me a lot of confidence and made me feel more independent. But most of all I just had fun doing activities and going on field trips with other kids who have diabetes. Now that I am a counselor, I have the chance to share what I learned with other children." --Paula Zamudio, age 16, Diabetes Youth Camp counselor and former camper.

KIDS JUST WANT TO

Each camp is conducted by a team of medical experts from Miami Children's who work to ensure that each child's health is managed appropriately. But most of all, the camps are about having fun. Activities include day trips to special attractions located in South Florida and Orlando, as well as camp-based swimming, games, crafts and entertainment.

The hospital's sleep-away camp programs are held at A.D. Barnes Park, a 65-acre urban park in Miami-Dade County that includes cabins, a swimming pool and activity rooms.

Camp Funrise

Camp Funrise is the first camp in Florida for children with arthritis and related conditions. Conducted by the Miami Children's Division of Rheumatology, the free, week-long summer sleep-away program is offered to children ages 8 to 12 whose special needs make it impossible for them to attend other camps. The camp is offered without charge thanks to sponsorship by the hospital, Dr. Rafael Rivas-Chacon, the Arthritis Foundation and several pharmaceutical companies.

"Camp helped me by teaching me that I can still do things even though I have arthritis. I wanted to attend camp to get away from the house, meet new friends with medical conditions and have a terrific time." --Bryann Murray, age 12, 2004 Camp Funrise participant.

Camp United Order True Sisters

This seven-day, sleep-away camp is for children ages 7 to 17 who have cancer. The camp helps the children develop self-reliance, self-esteem and strength, while forming bonds with other children with cancer as well as with the counselors, nurses and doctors. A highlight of the program includes swimming with dolphins and visiting Orlando amusement parks. The program was founded in 1991 by the Miami Children's Hospital Cancer Center and the United Order True Sisters charitable organization, which has supported Miami Children's for 45 years.

"Mark had never been away from home before. And after all the therapy he'd been through, I was reluctant to let him go to the camp. But the Cancer Center staff encouraged me to let him participate. At the end of the week, we went to pick him up and he hardly remembered that he had a family. He had such a blast! It was wonderful, because he had been so sick and it was the first time in a year that he could do kid stuff." --Elizabeth Perez, mother of 2004 camp participant Mark Perez, age 8.

VACC Camp

Miami Children's VACC (Ventilation-Assisted Children's Center) Camp, managed by the Division of Pulmonology, was formed in 1986 and was the nation's first camp for ventilation-assisted children and their families. Overnight campers come from throughout the United States, while local families join as day "Our camp program offers children with special needs the chance to escape some of the restraints of illness, giving them the opportunity to enjoy activities and friendship with children with similar needs in a safe and supportive setting."

Janet Bell-Taylor, Director of Patient and Family Services at MCH



HAVE FUN

campers. The program's goal is to provide families with opportunities to socialize with peers and share activities not readily accessible to technology-dependent children, including swimming and sailing. The camp is offered without charge, thanks to sponsorship by camp founder Dr. Moises Simpser, the Miami Children's Hospital Foundation and broad support from the community.

"We're so busy taking care of the children's medical needs that there's usually no time for fun. VACC Camp is a time when the kids have a chance to do all the things that they can't do for the rest of the year—dancing, swimming and flirting. It's just a wonderful, incredible adventure for all." --Mark Chibis, a volunteer for a facility in Broward County for children with medical conditions.

Camp DMC

A relative newcomer to the MCH camp calendar is Camp DMC (Dan Marino Center), a multi-week therapeutic day camp for children with autism or related disorders. The camp is staffed by licensed professionals in education, speech-language pathology and occupational and physical therapy. The camp's objective is to provide fun-filled age appropriate activities while enhancing each child's social, communication, fine motor and gross motor skills.

"We love camp DMC. The therapeutic focus of the program makes it possible for Caroline to continue to make progress during the summer months. She has really enjoyed the special activities and the opportunity to be with other children with special needs." ---Charlene Hamblin, mother of repeat Camp DMC participant Caroline Hamblin, age 10.

Miami Children's VACC (Ventilation-Assisted Children's Center) Camp, managed by the Division of Pulmonology, was formed in 1986 and was the nation's first camp for ventilation-assisted children and their families.



Awards and Recognition

NATIONAL HONORS AND AWARDS

MCH Receives Continued Magnet Status

The American Nurses Credentialing Center (ANCC) has confirmed the hospital's continued standing as a Magnet hospital. MCH was first recognized as a Magnet facility in July 2003. The hospital is required to present an annual report to the ANCC Commission on Magnet as part of the yearly designation procedure. Site visits by the ANCC are conducted every four years.

Bone Marrow Program Nationally Recognized

Miami Children's Hospital in 2004 became the only freestanding pediatric hospital in the state of Florida to be granted accreditation by the Foundation for the Accreditation of Cellular Therapy (FACT). FACT is a non-profit organization developed by the International Society for Cellular Therapy and the American Society of Blood and Marrow Transplantation for the purposes of voluntary inspection and accreditation in the field of hematopoietic cell therapy.

Miami Children's MRI Services Receive Accredation

Miami Children's Hospital has been awarded a threeyear term of accreditation for its MRI services as a result of a recent survey by the American College of Radiology (ACR).

Child Care Center Receives Accredation

The Miami Children's Hospital Child Care Center has been accredited by the National Association for the Education of Young Children (NAEYC). NAEYC is the largest and most widely recognized accreditation system for early childhood schools and child care centers. The Child Care Center provides care for children of Miami Children's Hospital employees.

Dr. Lou Romig Receives National Emergency Medical Services Honor

Miami Children's Hospital emergency medicine physician Dr. Lou Romig received the Emergency Medical Services for Children (EMSC) 2004 National Heroes Award for Provider Leadership. Dr. Romig is recognized nationally as an educator, speaker and author on topics related to out-of-hospital emergency care for children and pediatric disaster management, and has participated with numerous national-level programs and advisory committees.

Jeanette Diana Receives Pediatric Surgical Nurse Award

Jeanette Diana, ARNP, Pediatric Surgery Nurse Practitioner at MCH, received the national Founder's Award from the American Pediatric Surgical Nurses' Association (APSNA). The award is presented to a nurse who has made a significant contribution to the care of pediatric surgical patients and provided leadership within the hospital and the community at large.

Pat Messmer Wins Nursing Award

The American Nurses Credentialing Center (ANCC) has awarded its 2004 Certified Nurse Award to Patricia R. Messmer, PhD, RN, BC, FAAN, Nurse Researcher at Miami Children's Hospital. The honor was awarded in recognition of Dr. Messmer's longstanding involvement in the ANCC Certification and Magnet Recognition programs and her leadership in initiating regional nursing research.

Website Honored

The Miami Children's Hospital website, www.mch.com, was honored by *eHealthcare Strategy & Trends* in its fifth annual eHealthcare Leadership Awards. The site was awarded the Silver Award for "Best Employee Recruitment" among hospitals nationwide with 200 to 399 beds.

REGIONAL AWARDS AND RECOGNITION

South Florida Parenting Readers Again Choose MCH

South Florida Parenting magazine presented the hospital with two Kid's Crown Awards. MCH was selected as "Best Hospital for Pediatrics" and "Best (provider of) Pediatric Emergency Care" in Miami-Dade County. In addition, the hospital received bronze recognition for "Best Services for Special Needs Kids/Families in Miami-Dade." The MCH Dan Marino Center also received a bronze award for "Best Services for Special Needs Kids/Families in Broward County." Each year South Florida Parenting and its readers select organizations offering the best family-friendly activities, products and services to receive Kid's Crown Awards. Winners are chosen on the basis of ballots completed by the magazine's readers as well as via selection by reader/judge panelists.

Three from MCH family receive healthcare hero honors

The Greater Miami Chamber of Commerce honored three members of the Miami Children's Hospital family as 2004 Healthcare Heroes.

Dr. Moises Simpser is Honored in Physician Category

MCH Director of Pulmonology Dr. Moises Simpser was presented with the chamber's Physician Healthcare Hero Award. Dr. Simpser—who serves on the MCH Board of Directors and is President of the Medical Staff—was honored in recognition of his 15-year commitment to the Ventilator-Assisted Children's Center (VACC) Camp, which provides an annual week-long, sleep-away camp experience for children requiring ventilator assistance.

Children's Brain Trust's Paul Hale is Finalist for Volunteer Award

Miami Children's Hospital Foundation (MCHF) volunteer Paul G. Hale was a finalist in the Healthcare Hero Volunteer category. This dedicated leader became the primary inspiration behind the development of the Children's Brain Trust, which raises funds for the hospital's Brain Institute.

Uzma Gulamali Receives Teen Volunteer Award

Receiving a Healthcare Hero Award in the teen volunteer category was Uzma Gulamali, a 17-year-old Coral Gables High School student who served in the hospital's Bedside Buddies program.

Dr. Lou Romig: Physician of the Year

The *South Florida Business Journal* presented Dr. Lou Romig, Miami Children's Pediatric Emergency Medicine Attending Physician, with its 2004 Physician of the Year award. Dr. Romig was honored for her regional, national and international leadership in the fields of emergency and disaster care for children and their families.

THREE MCH NURSES RECEIVE NURSING ASSOCIATION AWARDS

Three Miami Children's nurses received awards from the Florida Nursing Association District V.

Jackie Gonzalez, ARNP, MSN, CNAA, Senior Vice President and Chief Nursing Officer, received the Nursing Administration Award for her visionary leadership within the hospital and the community at large.

Maria Fernandez, MSN, ARNP, LifeFlight[®] Program Director, was honored with the Advanced Practice Nursing Award in recognition of the high level of advanced care she provides to critically ill children transported by LifeFlight[®] and for her state and regional leadership among flight nurses.

Natasha Melbourne, ARNP, MSN, was awarded the Student Liaison Award for her outstanding efforts to promote professionalism in nursing education.

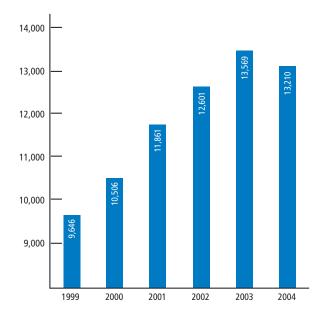
ED Nurses Ranked Among Best Nursing Teams

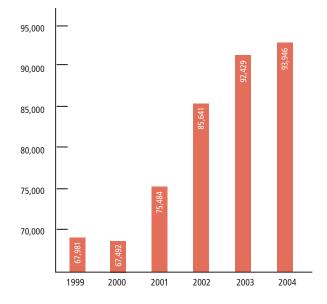
The nurses of the MCH Emergency Department have been ranked among the "Best Nursing Teams" by *Advance for Nurses* magazine. The Florida nursing publication selected the Emergency Department nurses as one of five hospital nursing teams within the state to be honored in the magazine's May issue.



Inpatient Admissions

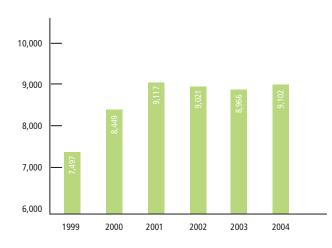




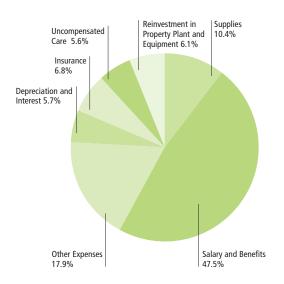


MIAMI CHILDREN'S HOSPITAL

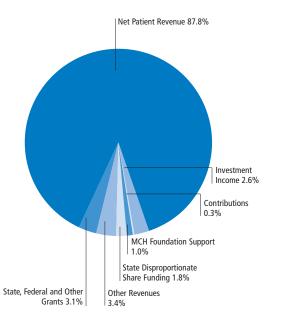




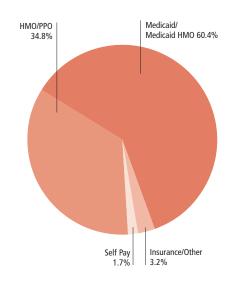
2004 Expenses



2004 Sources of Revenue



2004 Inpatient Census by Payor



2004 FINANCIAL HIGHLIGHTS

Total Inpatient Days: 68,382Total Inpatient Admissions: 13,210Inpatient Average Daily Census: 187Inpatient Occupancy Percent: 69.7%Total ER Visits: 93,946MCH General Clinic Visits: 7,711Ambulatory Visits: 6,892Observation Visits: 2,608Private Outpatient Visits: 151,423Total Surgical Cases: 9,102Average Length of Stay: 5 days

A Special Thank You From Miami Children's Hospital Foundation

Miami Children's Hospital Foundation, a separately incorporated 501(c) 3 charitable foundation, is grateful to the many kind and generous supporters who work with us each year to make a difference in the lives of the children and families we serve. Our mission is to raise funds and awareness for Miami Children's Hospital. Our partnership with you and the Children's Miracle Network helps us meet the growing needs of the many programs and research initiatives undertaken by the hospital each year—and to ensure that no child will ever have to leave this region to receive the best possible medical care.

Miami Children's Hospital Foundation is pleased to recognize the following individuals, corporations, foundations and government agencies for their generous support during the past year. Thank you for making a difference in the lives of our children!

SUPPORT

\$250,000-\$5,000,000 The Batchelor Foundation

\$100,000-\$249,999

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\$5,000-\$9,999

Abood Wood-Fay Real Estate Group Anthony R. Abraham Foundation The Applebaum Foundation, Inc. Auntie Anne's James W. Barfield Blue Cross and Blue Shield of Florida, Inc. **BP** Amoco Valerie and John Charles Breder Robert S. Brinegar Dade Community Foundation Joseph S. Dubin Estate Sharon Ruby Ellison Revocable Trust Estee Lauder, Inc. The Five Millers Family Foundation, Inc. General Mills Foundation Theresa Margaret Grote Fund Joanne and Dr. Cleve Howard International Dairy Queen, Inc. Kane Family Foundation Frances and Dr. Charles A. Lankau J. Lefcourt Philanthropic Fund Legal Sea Foods, Inc. The Lewis Family Foundation, Inc. Rhonda and Thomas E. Lewis Miracles in the Making Foundation Adrianne and Paul Mittentag Northern Trust Bank of Florida, NA Palm Harbor Development, LLC Sam's Club Joan and Ignatius Scalavino Joan and J. David Scheiner Kelly P. Smith TGI Friday's Tom Thumb Food Stores, Inc. U.S. Foundry & Manufacturing Corporation USA Gymnastics Wollowick Family Foundation

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