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## dear friends,

A year is always measured by the accomplishments that take shape within its bounds. By any standard, 2006 was a year to make us proud at Miami Children's Hospital.

Seeds sown in years prior came to fruition in 2006 with the completion of our new 68,000-square-foot Ambulatory Care
Building to house several key services, development of new devices through the MCH Brain Institute and the hospital's Research
Institute to enhance care of children with brain anomalies, and recognition of the hospital's Cancer Center by the American
College of Surgeons Commission on Cancer.

Other sources of pride include the hospital's ranking among the nation's "Training Top 100" by *Training* magazine, which annually lists organizations that excel at employee development through training, and our nursing team's leadership in minimizing accidental falls in hospitals nationwide through sharing of Miami Children's successful Humpty Dumpty Falls® safety initiative.

Pride in programs that demonstrate Miami Children's leadership and commitment to putting children first was evident in 2006. We celebrated 10 years of Radio Lollipop,<sup>®</sup> the hospital's in-house radio station for children. Miami Children's was the first hospital in the country to offer Radio Lollipop. Meanwhile, the Ventilator-Assisted Children's Center Camp—the first of its kind in the nation—completed its 20th year enriching the lives of ventilator-dependent children and their families.

Recently *Child* Magazine ranked MCH as one of the best children's hospitals in America and our Emergency Department as the 10th best pediatric ED in the United States. Together we have strengthened this hospital and enhanced its programs and facilities to better serve children and families. We are so very thankful to have the opportunity to serve alongside the remarkable physicians, staff, volunteers and supporters of Miami Children's as we continue the work of this great organization.

Sincerely,

Thomas M. Rozek
President and CEO

Rene V. Murai, Esq Chairman of the Board of Directors





## **New Ambulatory Care Building: A Marriage of Form and Function**

Miami Children's dazzling new Ambulatory Care Building, which opened its doors in August 2006, is much more than just a pretty face. The new 68,000-square-foot facility is enhancing care continuity for several key services.

Within the new building, the myriad services of the Miami Children's Brain Institute, Congenital Heart Institute, Craniofacial Center, Division of Neurosurgery and Division of Plastic Surgery have been brought together to offer maximum convenience for patients and their families. The building also houses a spacious new Patient Access/Admitting suite, where patients register upon arrival for outpatient procedures, surgeries and more.

"The building enables us to fulfill the first step on our master facility plan, with an overall goal of making patient care as accessible and friendly as possible," said Robert Nowlan, Miami Children's Vice President. "Now services are bundled together for ease of access that was not possible in the previous settings."

## **Emergency Department Receives National Award for Patient Satisfaction**

The Jackson Organization, a Maryland-based independent survey research firm, has recognized Miami Children's Hospital for achieving the best 2005 pediatric emergency department patient satisfaction scores from among surveyed hospitals nationwide. Miami Children's Emergency Department received the top pediatric ED patient satisfaction ratings among the hundreds of hospitals nationwide that utilize The Jackson Organization to track patient satisfaction. "I congratulate the Emergency Department for this significant achievement. This award brings great credit to each and every physician and employee," said Thomas M. Rozek, MCH President and CEO.

## Miami Children's Hospital Named to 2006 Training Top 100

Miami Children's Hospital has been named among the nation's "Training Top 100" by *Training* magazine, which annually ranks organizations that excel at employee development through training. "Professional development is a top priority at Miami Children's Hospital, and a cornerstone in our goal to be a recognized employer of choice," said Kevin Hammeran, Executive Vice President and Chief Operating Officer. "As we are committed to excellence, a well-trained, highly proficient staff is an important measure. We are extremely proud of the Department of Staff and Community Education for its leadership in achieving this impressive distinction."

Inclusion in the *Training* Top 100 is based on many factors, including financial commitment, programs offered, methods of evaluation, workplace surveys and human resources data, such as turnover and new employee referrals. Others that have been named to the list include such giants of industry as IBM, Ritz-Carlton and Wachovia.







"What should we do now?" Kim Lawrence implored her child's doctor in Atlanta. The Leesburg, Georgia, mother was at the end of her rope after two and a half years of alternately trying every available medication to curb daughter Melanie's relentless seizures. Little Melanie, then only 3, was seizing as often as 40 times per day and each would begin with a scream as the child anticipated the impending episode.

The Lawrence family was exhausted from the long battle to end Melanie's seizures and fearful, knowing the unchecked neural malfunction was affecting her growth and development. "I told the doctor in Atlanta that I would sell my house and go anywhere in the world to help Melanie," Kim recalled. "He said, 'If I were you I would go see Dr. Michael Duchowny at Miami Children's Hospital." Dr. Duchowny, Medical Director of Miami Children's Brain Institute's Comprehensive Epilepsy Center, is a neurologist and world-renowned expert in treating medically resistant epileptic seizures.

Within days of the Lawrences' arrival in Miami, Dr. Duchowny and Dr. Nolan Altman, Chief of the Department of Radiology at Miami Children's, succeeded in identifying the mysterious source of Melanie's seizures through use of SPECT scans, a technology that few facilities employ. "We specialize in pinpointing the source of seizures that do not appear on MRI scans. Our greatest successes are those children who could not be helped at other facilities," said Dr. Duchowny. Melanie is indeed one of Dr. Duchowny and the Brain Institute's many success stories. After a May 2004 surgery performed by the hospital's renowned neurosurgical team in which a significant portion of the child's malfunctioning right frontal lobe was removed, Melanie, now 5, is a bright, confident kindergartner who loves to read.

In 2006, Melanie accompanied her friend Mason, also 5, to Miami Children's Hospital, as he, too, required surgery to remove brain tissue that was causing epileptic seizures. Mason, the son of long-time friends of the Lawrence family, has known Melanie since his birth. When Mason's seizures proved as intractable as Melanie's, the Lawrences advised their friends to bring the child to Miami Children's. After visiting Dr. Duchowny and undergoing surgery with the Brain Institute team in September 2006, Mason and Melanie are back at play in Georgia—a lifetime of seizures behind them at last.



Congress continued to support the work of the Miami Children's Brain Institute in 2006, bestowing another generous federal grant to advance care for children with brain anomalies.

The \$1.2 million in new federal funding will be combined with nearly \$3 million in federal monies appropriated in 2004 and 2005 toward the purchase of a one-of-a-kind intraoperative MRI scanner, as well as fund a five-year study of traumatic brain injuries. The hospital will be the first facility in the South to feature a three-Tesla intraoperative MRI scanner. The high resolution MRI technology will offer tremendous new research opportunities and treatment options for children with neurological conditions, including evaluation of the brain during surgery to enhance surgical precision.

"We are very grateful to Congresswoman Ileana Ros-Lehtinen for her commitment to the Brain Institute's mission in helping children with neurological conditions," said Dr. Prasanna Jayakar, Chairman of the Brain Institute. "The Brain Institute's multidisciplinary specialty programs offer a level of expertise, family-centered care and convenience that few other hospitals in the nation can offer. The federal funding of over \$4 million will help further advance our leadership so that we can continue to offer groundbreaking treatments to children from throughout the world."

The Miami Children's Brain Institute provides state-of-the-art medical and surgical care for children with a full spectrum of neurological disorders, including autism, attention deficit and learning disorders, birth defects, cerebral palsy, headaches, seizures, trauma and brain and spinal cord tumors.



# radio lollipop<sup>®</sup> celebrates 10 years of sweet sounds



Jugglers on stilts, miniature horses, celebrity deejays, clowns—and of course kids—were on hand in August 2006 to celebrate a decade of Radio Lollipop® at Miami Children's Hospital. Ten years before this milestone celebration, Miami Children's became the first hospital in the U.S. to offer Radio Lollipop. The program, which was founded in England in 1979, brings music, stories, activities and entertainment to hospitalized children.

"For 10 years Radio Lollipop and its volunteers have been a source of fun and entertainment for our patients," said Lynn Heyman, Director of Community and Volunteer Resources and Child Life at Miami Children's. "It's part of our commitment to making the hospital a place where kids can be kids."

Radio Lollipop, which broadcasts live from the hospital Tuesday, Wednesday and Thursday evenings and Saturday mornings, features a fully equipped in-house radio station that is managed by a group of volunteers. The volunteers create fun diversions, including contests, mind-stimulating activities, and opportunities to request songs and participate in broadcasts. They also bring entertainment to the children in their rooms.

The steadfast group of volunteers includes four who have been with the program since its inception. They are Nora Barriere, Iris Cicero, Mark Kuperman and Ken Wilder. Miami Children's expresses heartfelt thanks to all for making Radio Lollipop come alive...for the children.

Radio Lollipop Mission Statement: To provide care, comfort, play and entertainment for children in hospital.

# neighborhoods, making new friends

Doral. West Kendall. Weston. Palmetto Bay. Miami Lakes. What do these communities have in common? They are all home to—or soon to be home to—Miami Children's Hospital outpatient services.

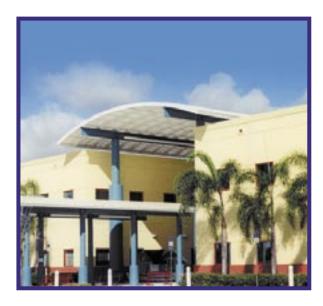
"Miami Children's is reaching out to neighborhoods throughout South Florida to enhance access to services," said José Perdomo, Miami Children's Vice President of Ambulatory Services. In 2006, the hospital began planning two new outpatient facilities, one in Doral, and the other in West Kendall. Both centers are expected to be completed in 2007 and will offer after-hours urgent care services, diagnostics and rehabilitation services, and feature physician offices where MCH subspecialists can see patients on a rotating basis.

"Demand continues to grow exponentially for the unique services that Miami Children's Hospital offers," said Perdomo. "Consumers are more sophisticated than ever and they know that a dedicated pediatric care facility is the best resource when a child needs care and specialized services. Our new outpatient centers in Doral and Kendall will offer the quality of care consumers have come to depend on and expect from Miami Children's in convenient new settings." The new locations will add to the network of services already available through the hospital's main campus near Coral Gables as well as its Miami Children's Hospital Dan Marino Center in Weston, the Miami Children's Hospital South Dade Center in Palmetto Bay and Miami Children's Rehabilitation Services – Miami Lakes.

## Miami Children's Hospital Dan Marino Center

The first of Miami Children's outpatient centers, the Miami Children's Hospital Dan Marino Center, which opened its doors in 1998, prepared for yet another campus expansion in 2006 to meet the needs of the community. With more than 50,000 patient visits in 2006, the busy facility provides specialized services for children at risk of developmental and psychological problems. Construction is now underway to expand the campus to make room for an Urgent Care Center that will offer Weston families the convenience of readily accessible after-hours care for minor pediatric illnesses and injuries. In addition, the facility will soon break ground on a new covered swimming pool to be used for aquatic therapy services.





The MCH Dan Marino Center offers families of children with developmental disabilities and chronic medical problems the most comprehensive and integrated treatment available in an outpatient setting. Individual services include speech, occupational and physical therapy, neurology, psychology and behavior modification, educational services, EEGs, video EEG telemetry, MRI, radiography and CT studies. The MCH Dan Marino Center is located at 2900 South Commerce Parkway in Weston. For more information, please call 954-385-6200.

## Miami Children's Hospital South Dade Center

2006 brought MRI services to the Miami Children's Hospital South Dade Center. The new imaging service is an added convenience for residents of southern Dade County and is expected to help decompress Miami Children's busy main campus MRI service. All imaging services at MCH outpatient facilities are interpreted by Miami Children's own team of specially trained pediatric radiologists via a high-speed network connection.

In addition, the South Dade facility's Urgent Care Center continued its upward trajectory in 2006, contributing 13,327 visits in 2006. Other services of the MCH South Dade Center include rehabilitation services, adolescent medicine, diagnostics and the Early Steps program, offering early intervention services for children under 36 months of age who are at risk of developmental delays. The center is also home to Miami Children's Health on Wheels preventive medicine outreach program. The MCH South Dade Center is located at 17615 SW 97th Avenue in Palmetto Bay. For more information, please call 786-268-1777.

#### Miami Children's Rehabilitation Services – Miami Lakes

Miami Children's Rehabilitation Services – Miami Lakes focused on staffing in 2006 to support future growth as demand for audiology, physical, occupational and speech therapies increased. The center is located at 14505 Commerce Way, Suite 450. For more information, please call 305-512-1550.



## baby lubenson: from haiti with love

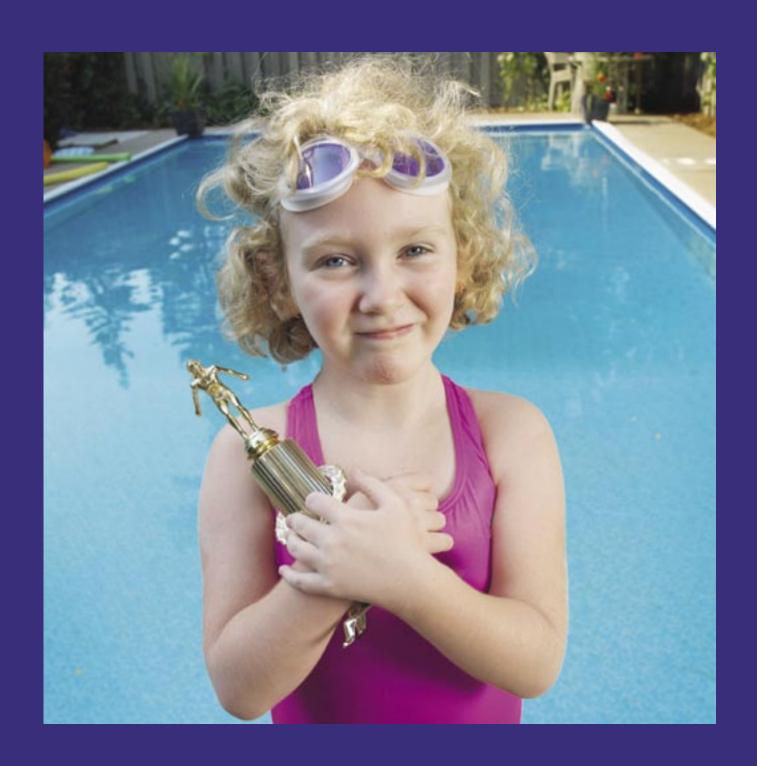
When baby Lubenson Michel arrived at the Hope for Haiti Children's Center school and orphanage in Ouanaminthe, Haiti, in the spring of 2006, the missionaries knew at a glance that he would need far more than the tiny island republic's medical community could offer.

Eight-month-old Lubenson's face was disfigured by an enormous tumor in his mouth that threatened his survival. "I watched helplessly as he struggled to breathe and ate with difficulty," recalls Danita Estrella, Director of Haiti Children's Center. "Lubenson and I spent a week together bonding while I prayed for a miracle. It was critical that he get to the U.S. as soon as possible. His tumor was growing daily and was beginning to press into his eye."

Estrella got her miracle. She tapped friends, partners and fellow missionaries, finally succeeding in circumventing the usually time-consuming medical visa process. Within a week, Lubenson and Estrella were on their way to the United States. First stop, Miami, where they would obtain a biopsy of the mass on Lubenson's face before seeking medical treatment at a U.S. hospital. "I was concerned about leaving my children and ministry in Ouanaminthe," recalls Estrella. "But I was reminded of the good shepherd who left the 99 sheep to save the one. Lubenson was the one," she said.

The biopsy at Miami Children's Hospital revealed that Lubenson was suffering from melanotic neuroectodermal tumor of infancy, a rare but life-threatening disorder. In short, he needed surgery right away. That's when Dr. Anthony Wolfe, Director of Plastic Surgery at Miami Children's, entered the story, offering to donate his services. In a three-hour surgery, Dr. Wolfe removed the tumor and reconstructed Lubenson's face using muscle tissue from the child's temple to fill in the hole left in his mouth. "I did not know at first that Dr. Wolfe was a world-renowned specialist in facial reconstruction for children," recalls Estrella. "We feel so lucky. He was so wonderful and compassionate." Dr. Wolfe develops innovative procedures to help children with severe facial anomalies and lectures internationally on the subject. His amazing work, and that of the Miami Children's Hospital Craniofacial Center team, has also been featured on the TLC Television Network.

Today, Lubenson is back home in Haiti. "Several doctors (in Haiti) told me that Lubenson would never make it, but faith, love, perseverance and compassion rewrote his story," said Estrella. "Every time I see him smile, I am filled with gratitude."



## a snapshot banner year



More. Faster. Better. That might well be the mantra of the Miami Children's Department of Radiology—the largest provider of pediatric imaging services in South Florida. The department is continuously expanding and updating itself to keep up with the latest technology, and 2006 was without a doubt a banner year.

"We are proud to be the region's leader in pediatric imaging," said Dr. Nolan Altman, Chief of the Department of Radiology. "Being the leader means you are constantly reinventing yourself to bring the latest technologies and services to those who count on you to provide nothing less than the best."

#### **MRI Services in Broward and South Dade**

MCH is the largest provider of pediatric MRI services in the region. To make

services more accessible to patients, the Department of Radiology in 2006 deployed a state-of-the-art mobile, high-definition magnetic resonance (HDMR) system—the first of its kind in South Florida.

The acquisition of this unit made it possible for MCH to become the first to offer pediatric MRI services in Broward County. Services are available at the Miami Children's Hospital Dan Marino Center in Weston as well as at the Miami Children's Hospital South Dade Center in Palmetto Bay. Results are read by hospital radiologists through a high-speed connection.

"The goal is to make access to this high-demand service easier for patient families, while still offering the quality of care referring physicians depend on from Miami Children's," said Dr. Altman.

#### **Florida Firsts**

The Department of Radiology in 2006 began offering new pediatric services that are not available anywhere else in Florida.

#### Highlights include:

- MR tractography, a new imaging modality that allows detailed visualization of the pathways and tracts of the brain using 3-D reconstruction. This neuroimaging modality is important in patients with brain tumors or other brain lesions that affect neurological function.
- Perfusion MRI, an advanced imaging technique that is useful in the diagnosis and follow-up of brain tumors.
   Perfusion MRI is also helpful in patients with stroke disorders by allowing quantification of cerebral blood flow.
- Fetal MRI, with emphasis on neuroimaging, provides prenatal evaluation of congenital brain malformations and genetic syndromes for surgical planning and parental counseling.
- Congenital cardiac imaging allows detailed two- and three-dimensional anatomical and functional studies. MRI studies are complemented by an advanced CT scanner with dedicated cardiac gating software.

## **Fast Track Access for Physicians**

Faster access to imaging results helps physicians respond more quickly to medical needs. In January 2006, the Department of Radiology introduced a new Picture Archiving Communication System (PACS), offering physicians immediate access to images and reports through Miami Children's Hospital's secure website.

"Faster results translate into more rapid interventions for children in need," said Dr. Altman. "We are pleased to make this advancement available to our physician network."



## new menu offers comfort food

Pancakes at dawn? Chicken nuggets before noon? Effective in 2006, these and other off-schedule food requests are being met with a resounding "yes" at Miami Children's. The Food and Nutritional Services Department is offering a new Room Service Program to empower little guests to choose food favorites whenever their tummies tell them it's time.

The hospital has maintained its traditional breakfast, lunch and dinner meal service offerings, but added the room service menu to give hospitalized children maximum flexibility in choosing what and when to eat.

"When a child doesn't feel well or is on an unusual schedule due to surgery or other procedures, his or her preferences really should be catered to," said Velma Mercado, Clinical Nutritional Manager. "We are pleased to be able to offer so much freedom of choice to the families in our care."

The room service menu features more than 100 kid-friendly staples, including pancakes, French toast, kids' cereals, hamburgers, cheeseburgers, chicken nuggets, grilled cheese sandwiches, deli sandwiches, cheese pizza, peanut butter and jelly sandwiches, chicken noodle soup, black beans and rice, soups, gelatin, muffins, mashed potatoes, French fries, vegetables, fresh fruit, canned peaches, pudding, popsicles and cookies.

Bon appetit!

## proud to introduce new programs



## **Humpty Dumpty Falls<sup>™</sup> Program Preventing Injuries Nationwide**

Preventing injuries associated with patient falls is a focus for hospitals nationwide. Now, thanks to a program developed by a multi-disciplinary team of Miami Children's Hospital nurses, at-risk children from throughout the country are being assessed using a validated pediatric-based fall scale to reduce the risk of patient harm resulting from falls.

"We began by analyzing data associated with pediatric patients who had experienced falls while hospitalized," said Bing Wood, ARNP, MSN, Director of Pediatric Intensive Care and ECLS Services at MCH. "Based on the data, we were able to identify groups of children who are at increased risk." The data was used to develop the hospital's Humpty Dumpty Falls™ Scale, which identifies risk factors associated with pediatric falls, including the patient's age, gender, diagnosis, cognitive impairments, environmental factors, response to surgeries, sedation and anesthesia, and medication usage. A study was developed to validate the fall scale after which training was provided for patient care staff members to help them identify fall-prone children and adopt appropriate safety practices. A trial of the new practices was so successful that team members soon recognized that other hospitals would benefit from what had been learned at Miami Children's.

The team developed a package of appealingly designed materials that hospitals can personalize for use in pediatric settings. To date, hospitals in California, Wyoming, Texas, Virginia, Alabama and Florida, and even Israel, are using the Humpty Dumpty Falls materials, which include staff educational materials as well as bed signs, stickers and badges to identify children at risk.

"The Humpty Dumpty Falls program has been so gratifying for all of us who helped develop it," said Wood. "We are so pleased to hear reports of how it is helping protect children in hospital settings nationwide."



## **Brightening Smiles for Disadvantaged Children**

Tooth decay is the most common chronic childhood disease and low-income children are most likely to be affected by it. Of the 463,000 low-income children in Miami-Dade County, it is estimated that fewer than 20 percent receive annual dental care.

Enter Miami Children's Hospital, Miami Children's Hospital Foundation and the Health Foundation of South Florida. These entities came together in 2006 to create "Healthy Smile, Happy Face," a program that's bringing dental services and education to low-income children in Miami, Brownsville, Homestead, Florida City and Overtown.

"Children with poor oral health may face needless pain, decreased self-esteem and restricted activities," said Dr. Deise Granado-Villar, MD, MPH, FAAP, Chief of Pediatrics and Medical Director of Miami Children's Division of Preventive Medicine and Community Pediatrics. "Oral health is essential to general health and overall performance in life."

Dr. Granado is collaborating with Dr. Rosie Roldan, Director of the Pediatric Residency Dentistry Program at Miami Children's, to deliver care to children utilizing one of the hospital's Health on Wheels units, which has been outfitted to serve as a mobile dental health center.

Funding is provided by the Health Foundation of South Florida. In addition, funds from The Batchelor Foundation have been awarded to Miami Children's Foundation to support the project.



## Saving Even More Lives Through Data Technology

Miami Children's is a national leader in utilizing information technology to enhance care and safety. In fact, Miami Children's was a finalist for a recent Hospitals & Health Networks' Innovator Award for a revolutionary new system that has boosted the already remarkable survival rates in the hospital's Cardiac Intensive Care Unit (CICU) to 99 percent—among the best in the world. What's more, MCH has been singled out by the National Center for Health Transformation for its leadership in the use of web-based data. The center is a collaboration of public and private sector leaders dedicated to the development of a 21st century health system that saves lives.

"We see children from all over the world with highly complex heart problems. During their hospitalization, a substantial amount of critical data is accumulated that needs to be evaluated regularly by physicians," said Dr. Anthony Rossi, Director of the CICU. "Now complete, up-to-the-minute data on each individual child is available anytime, anywhere to members of the care team. This advantage, combined with point-of-care laboratory testing, has boosted survival rates from 98 percent—already among the best in the world—to a remarkable 99 percent," he said.

Miami Children's road to enhanced technology began in 2003, when Dr. Redmond P. Burke, Director of Cardiovascular Surgery at the Congenital Heart Institute at Miami Children's Hospital and Arnold Palmer Hospital for Children in Orlando, approached Teges Corporation, a South Florida-based software company, to design a web-based medical record system that would meet the unit's special needs. "We wanted to develop an information system for our medical team that would allow us to access critical patient data anywhere, anytime, with any web-enabled device. And more important, we wanted to measure and report our outcomes in real time, something no medical team had ever been able to do. We've accomplished these goals," said Dr. Burke.

Based on success in the CICU, the hospital has further invested in Teges' patented i-Rounds® system, installing specially tailored versions of the software in the hospital's pediatric intensive care and neonatal intensive care units. Also in 2006, Miami Children's began making electronic medical records available to cardiovascular surgery patients to enhance continuity of care once they leave the unit. As with the original i-Rounds system, the patient component was spearheaded by Dr. Burke in response to patient inquiries.

"Patients come to us from locations around the world," Dr. Burke said. "They feel more confident going back home knowing they have immediate access to details of their child's medical record so that tomorrow or years from now, they can share the information with a caregiver to offer the best possible insight into the care needs of the child."

The new Electronic Medical Record Portal for Patients, also developed by Teges Corporation, offers families a wealth of secure information related to the child's hospitalization, including surgical photos, details of the child's condition upon arrival, a discharge summary and care instructions.





When Brittany and Michael Madden drove their apparently healthy firstborn to Miami Children's Hospital for routine testing, they never dreamed that the trek would save his young life.

During Brittany's fifth month of pregnancy, a fetal specialist informed the expectant mother that something might be wrong with her baby's kidneys and advised her to have the child checked by a nephrologist when he turned 3 months old. After the birth, little Michael seemed the picture of health, raising doubts about the kidney health warning. Nevertheless, the Naples, Florida, couple dutifully brought the child to Miami Children's for an evaluation once he achieved the 3-month milestone. Their responsiveness—and an astute doctor who detected a heart murmur during a routine vital sign exam—probably saved Michael's life. No sooner had the family returned home following the examination, than they received a call from the hospital asking them to return right away to consult a cardiologist.

What the Maddens learned from Dr. Richard Zakheim turned their world upside down. "We found out that Michael had several holes in his heart, and his aorta needed to be reconstructed. The doctors were amazed that he looked so good on the surface considering his very significant heart defects. He needed surgery right away. Without it, they were not sure how long he would survive," recalls Brittany. Over the next few years, Michael underwent multiple procedures at Miami Children's Hospital. The first involved the surgical repair of a coarctation of the aorta, a narrowing of the main blood vessel carrying oxygen-rich blood to the body. The surgery was performed by Dr. Redmond P. Burke, Chief of Cardiovascular Surgery at the Congenital Heart Institute at Miami Children's Hospital and Arnold Palmer Hospital for Children in Orlando. "He told us that Michael's aorta was as narrow as a toothpick when it should have been the size of a pencil. He was impressed that Michael had managed to survive with such a constriction."

The next step for Michael was the repair of multiple holes of varying sizes in his heart, called ventricle septal defects. Some were repaired by Dr. Evan Zahn, Chief of Cardiology at the Congenital Heart Institute, utilizing an occlusion device that was then still pending FDA approval. The AMPLATZER occluder makes it possible for holes to be repaired using minimally invasive catheterization techniques. Michael's final procedure took place on February 14, 2006–Valentine's Day. In the future, the Maddens expect to celebrate this holiday with special feeling and with fond memories of the doctors who repaired Michael's ailing heart.

"Dr. Burke and Dr. Zahn fly all over the United States to perform what I call 'miracle work.' Their hands must be very gentle to be able to work on such small and fragile infants. They are truly experts in their field," said Brittany.



#### **BRINGING NEW TREATMENTS TO LIFE**

Imagine a future in which surgeons can distinguish readily between healthy and diseased brain tissue during surgery using a special optical probe device developed by a team from Miami Children's Hospital. And imagine kinder, gentler cancer treatments for children, aided by botanical agents that reduce dependence on and enhance conventional cancer chemotherapies.

At Miami Children's Hospital's Research Institute, these and other potential new treatments and devices are moving beyond the imagining stage and into the realm of reality as researchers work to improve the lives of children with critical and chronic illnesses.

The Miami Children's Research Institute is one of the largest providers of pediatric medical research in the region and includes the hospital's Clinical Research Center, which is integrated throughout the hospital as well as among offices of investigating physicians.

## 2006 Highlights

## **New Optical Device to Enhance Brain Surgery**

When neurosurgeons treat a child with a brain tumor or seizures, complete removal of the diseased tissue is important to ensure the best outcome. A challenge of neurosurgery is determining the boundary of abnormal tissue. This may not be clear on visual inspection, making it difficult for surgeons to know whether they are leaving diseased tissue behind or risking removing some normal tissue. A new optical device under development by Miami Children's Brain Institute in partnership with Florida International University's (FIU) Department of Biomedical Engineering promises to benefit neurosurgeons worldwide. This medical device uses safe, visible light to identify abnormal tissue, enabling surgeons to verify in real time when they have extracted all diseased matter. Dr. Wei-Chiang Lin, Assistant Professor of Neuroengineering at FIU and Miami Children's Hospital researcher, received external funding in 2006 to support the development of the device.

## **Helping Children with Pompe Disease**

Miami Children's Hospital's Division of Genetics and Metabolism participated in a multicenter clinical study that led to Food and Drug Administration approval of a new enzyme replacement therapy for children with Pompe disease, a neuromuscular disorder similar to muscular dystrophy. Pompe Disease is caused by a missing enzyme and afflicts about 10,000 people worldwide, often occurring during infancy or early childhood. In 2006, the FDA approved use of Myozyne, a synthetic enzyme developed by Genzyme Corporation, for patients with Pompe Disease. The principal investigator on the Miami Children's Hospital campus was Dr. Mislen Bauer, Director of the Division of Clinical Genetics and Metabolism.

## **New 5-D Image Fusion Lab**

In 2006, the Miami Children's Brain Institute established a 5-D (five-dimensional) Image Fusion Lab, partly funded through external grants. Brain Institute researchers have pioneered various imaging technologies, including magnetic resonance imaging (MRI) with functional and diffusion tensor images, electro-physiology (including direct recordings from the cerebral cortex), and optical and fluorescent spectroscopy. Each of these techniques provides individual pieces of information about the brain. The 5-D Image Fusion Lab creates a unified platform to synchronize these multimodal technologies, putting the puzzle together to provide a dynamic brain picture with infinite time and spatial resolution. The new insights into the brain's structure, functional correlations, and tissue dynamics will allow better understanding of both its normal physiologic state and mechanisms of dysfunction in specific pathologic conditions such as autism, seizures and brain tumors. Improved mapping of dysfunction will lead to better treatment options including the planning of brain surgery.

## Miami Children's Plays Role in FDA Approval of New Device

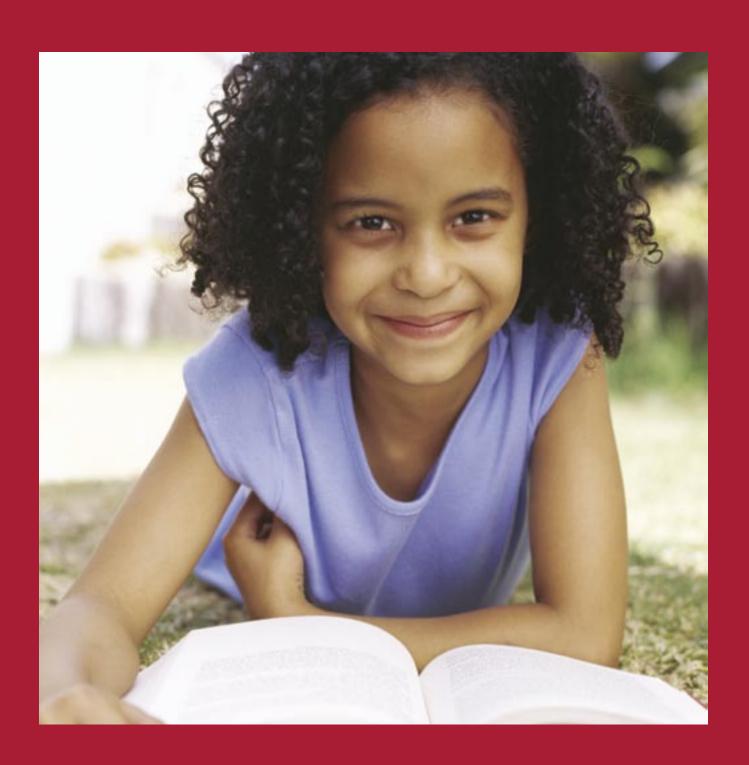
The Congenital Heart Institute at Miami Children's Hospital contributed crucial data leading to Food and Drug Administration (FDA) approval of a patching device used for minimally invasive correction of atrial septal defects in young children. During a multi-year study, the Congenital Heart Institute team employed the device to help numerous children. The FDA in 2006 granted approval of the GORE HELEX Septal Occluder, which is implanted via catheter. Dr. Evan Zahn, Chief of Cardiology at the Congenital Heart Institute, participated in the design and development of the device.

## **Compounds Show Promise in Treatment of Childhood Cancer**

A team of researchers from Miami Children's Hospital is investigating the use of botanical compounds that have shown promise in the treatment of pediatric cancer. The compounds have been used in India as part of the Ayurvedic medicine tradition, and have exhibited strong potential in the hospital's studies using human cells in vitro as well as in studies involving mice. Amooranin, a compound derived from Amoora rohituka with potent anti-cancer properties, has demonstrated an ability to kill diseased cells in culture and reverse drug resistance to conventional cancer chemotherapies. Another compound known as RR1 derived from Tinospora cordifolia has potential immune regulatory properties that suggest indirect anti-cancer potential through the stimulation of the immune system. These studies are under the direction of Drs. Cheppail Ramachandran and Steven Melnick.

## **New Research Visit Center Supports Investigators**

The Miami Children's Research Institute in 2006 opened a new Clinical Research Visit Center in the George E. Batchelor Research and Academic Pavilion on the hospital's main campus. The Visit Center was developed to support busy practitioners participating in clinical research by providing a setting for research protocol patient follow-up visits. The facility includes a comfortable waiting area and exam rooms, as well as a family-oriented room to discuss participation in clinical research as part of the process of informed consent.





## a cancer cure jany

At 15, Jany Cemitiere knows not to sweat the small stuff. In the months since she was diagnosed with cancer, the Westwood Christian School sophomore has gained a rare perspective on life.

"When you've been in the cancer unit with sick children, you realize how silly most of the things we worry about are," said Jany, offering remarkably sage commentary for one so young.

Jany's path to such wisdom began in July 2006. She was enjoying her summer break when the appearance of a lump on her neck landed her in the doctor's office. After an ultrasound, the family was referred to the Cancer Center at Miami Children's, where she entered the care of Dr. Enrique Escalon, Director of the program.

"Cancer was the furthest thing from my mind," Jany recalled. "I had never been to a hospital before and only went to the doctor for checkups." Suddenly, the family was dealing with a diagnosis of non-Hodgkin's lymphoma, and within a week, the unflappable teen was undergoing chemotherapy, followed later by a course of radiation therapy.

Jany took all of this in stride, refusing to be ruffled even when her hair began to tumble out during the chemotherapy. Her strong faith kept worries in check.

"I knew I was in God's care and that everything would be all right," she said. She also drew strength from the confidence she felt in the doctors and staff of the Cancer Center, forming a particular bond with the nurses in the Living Room Infusion Center where she spent considerable time undergoing chemotherapy.

Today, Jany is cancer-free and pursuing her education at home while waiting for her immune system to regain strength. She enjoys attending church on Sundays and regular visits from schoolmates, while looking ahead to beginning her junior year back on the Westwood Christian campus.

"I can't wait to get back." said Jany. "Then everything will be back to normal."



# cancer center earns recognition

COMMISSION ON CANCER

The Miami Children's Hospital Cancer Center in 2006 was awarded approved cancer program status after an in-depth survey by the American College of Surgeons (ACS) Commission on Cancer.

Miami Children's is one of only 12 children's hospitals nationwide and the second in Florida to achieve this distinction and was the first to be recognized under new pediatric standards developed by ACS. "I congratulate the Cancer Center for this significant achievement. This designation brings great credit to Dr. Enrique Escalon, the center director, and the outstanding team of physicians and staff of the Cancer Center," said Thomas M. Rozek, President and CEO of Miami Children's.

The American College of Surgeons Commission on Cancer (CoC) Approvals Program sets quality-of-care standards for cancer programs and reviews the programs to ensure they conform to those standards. Approval by the CoC is granted to facilities that have voluntarily committed to providing the highest level of quality cancer care and that undergo a rigorous evaluation process and review of their performance. An on-site review is conducted every three years to maintain CoC designation.

# 20 years camp 'can do'

For many ventilator-dependent children, the world is full of "can'ts." Simple pleasures such as taking a dip in the pool or sharing an overnight adventure with friends can seem out of reach for these children.

All of that changed in 1986 when Dr. Moises Simpser created the nation's first Ventilator-Assisted Children's Center (VACC) Camp, affectionately known as "Camp Can Do." The program, which just celebrated its 20th year, has brought life-affirming adventure to the lives of hundreds of children and their family members who have taken part in the week-long sleep-away camp experience.

As Director of the Division of Pulmonology at Miami Children's, Dr. Simpser provides care for children with chronic lung diseases, post-traumatic paralysis, muscular dystrophy and many other illnesses that impede a child's ability to breathe independently. A common thread connects the most seriously ill children in his care—their lives are dependent on ventilator technology. Most are confined to wheelchairs and require constant medical monitoring.

Motivated by a desire to touch and enrich the lives of his patients, Dr. Simpser created VACC Camp as an annual fun-filled retreat for the children and their families. The free week-long program today draws families from throughout the nation and has inspired the creation of similar camps in Central Florida, Colorado, Michigan, Ohio and Pennsylvania.

The goal of VACC Camp is to provide families with opportunities to socialize with peers and share activities not readily accessible to technology dependent children, including swimming and sailing. "A key element of VACC Camp is helping families learn to sweep away barriers for ventilator-assisted children. Often the children's lives are severely restricted due to the complexities of leaving the house or medical care setting with the large amount of equipment that must travel with them, combined with the necessity of constant monitoring," said Dr. Simpser.

"The VACC Camp experience can be liberating for the family as they gain the confidence to attempt other family outings and vacations together. The camp gives them the will to embrace new possibilities," he said.























## South Florida Parenting Magazine again Recognizes Miami Children's Hospital

Readers of *South Florida Parenting Magazine* in 2006 again chose Miami Children's Hospital as the "Best Hospital for Pediatrics in Miami-Dade County." The publication has recognized the hospital for its pediatric excellence for nine straight years. The hospital also was honored as the "Best Hospital for Pediatric Emergency Care" and the Miami Children's Hospital Dan Marino Center was chosen as provider of the "Best Services for Special Needs Children."

## Miami Children's Hospital Honored by Beacon Council

Miami Children's Hospital was awarded the Beacon Council's 2006 Healthcare Services Award for its leadership in the industry. The Beacon Council—"Miami-Dade County's Official Economic Development Partnership"—honors organizations annually that contribute to the Miami-Dade economy through job creation, business expansion, corporate citizenship and leadership in their respective industries.

#### **Thomas M. Rozek Receives Award of Distinction**

The South Florida Business Journal (SFBJ) selected Thomas M. Rozek, President and CEO of Miami Children's, as one of its 2006 Miami Ultimate CEOs. The award recognizes CEOs whose exceptional leadership has helped set standards in the corporate community, improving the social fabric of the community and the quality of life for businesses and residents. Honorees are selected for their leadership based on independent research conducted by the SFBJ.

## **Trauma Program Reaccredited**

The Miami Children's Trauma Program successfully completed the Florida Department of Health's reaccreditation process to maintain its status as a pediatric trauma center. The hospital is home to the only freestanding pediatric trauma center in South Florida.

## **Jackie Gonzalez Appointed to Florida Center for Nursing Board**

Jacqueline L. Gonzalez, ARNP, MSN, CNAA, BC, Senior Vice President and Chief Nursing Officer at Miami Children's Hospital, was selected by Florida Governor Jeb Bush to serve as a member of the Board of Directors for the Florida Center of Nursing (FCN). FCN was created by the Florida Legislature in 2001 to address issues of supply and demand for nursing, including recruitment, retention and utilization of nurse workforce resources.

#### Dr. Reyes Recognized as Hospitalist of Excellence

Dr. Mario A. Reyes of the Miami Children's Hospitalist Program has been recognized as a Hospitalist of Excellence by AvMed Health Plan. Dr. Reyes was the only pediatric hospitalist in South Florida selected for this honor. The Hospitalist of Excellence Award recognizes the provision of quality and affordable inpatient healthcare. In addition, Dr. Reyes was a finalist for a Physician of the Year Award presented by *The South Florida Business Journal* at its annual Excellence in Healthcare Awards ceremony.

#### Miami Children's Education Team Receives Excellence in Healthcare Award

The South Florida Business Journal presented the Miami Children's Hospital Department of Community and Staff Education with its 2006 Healthcare Educator Award during the publication's Excellence in Healthcare Awards presentation. The honor was presented to the department for its innovative approaches to learning and for the significant role that it plays in supporting employee professional and personal development.

## Dr. William Muiños Honored by Cystic Fibrosis Foundation

Dr. William I. Muiños of the Miami Children's Division of Gastroenterology was the recipient of the 2006 Publix Cystic Fibrosis Foundation (CFF) Ambassador Award for his leadership on behalf of the CFF. Dr. Muiños is the founder the Miami Kayak Challenge, which raises more than \$30,000 annually for cystic fibrosis research.

## **Marketing Department Receives Regional Awards**

The Miami Children's Marketing Department received three Mark of Excellence Awards from the Florida Society for Healthcare Public Relations and Marketing. The department received awards in three categories, including crisis communications (hurricane communications), comprehensive (multimedia) communications above \$25,000 for an ad campaign, and for broadcast communications.





#### Miami Children's Heart Station Achieves Reaccreditation

The Heart Station's echocardiography team has been reaccredited by the Intersocietal Commission for the Accreditation of Echocardiography Laboratories. The team achieved this honor in the fields of pediatric transthoracic, pediatric transesophageal and fetal echocardiography.

#### Dr. William Muiños to Serve as Medical Expert for ABC Network Series

Dr. William Muiños of the Miami Children's Division of Gastroenterology was chosen to serve as the medical expert for a planned new ABC television series titled "Fit Kids with Shaquille O'Neal," which will air nationally in June 2007. The program will trace the progress of six middle school children as they strive to reduce their weight and improve their health with the assistance of Dr. Muiños and Miami Heat basketball great Shaquille O'Neal, as well as a dietician and a fitness trainer.

#### Miami Children's Recognized for CHEX'Best Practices'

Miami Children's Hospital received best practice recognition from CHEX Knowledge Exchange for innovative blended leadership training. The Miami Children's Department of Staff and Community Education developed a program that incorporates CHEX online learning and Harvard Business School Publishing to create a leadership training program that has had a strong impact on organizational performance.

## **Hospital Marketing Department Receives National Awards**

The Miami Children's Marketing Department received a Gold Award for its 2004 Annual Report from *Healthcare Marketing Report*, a publication that annually recognizes excellence in healthcare marketing. The department also received merit awards for the hospital's Congenital Heart Institute brochure and a magazine advertising campaign.

## National Recognition for Miami Children's Annual Report and Advertising

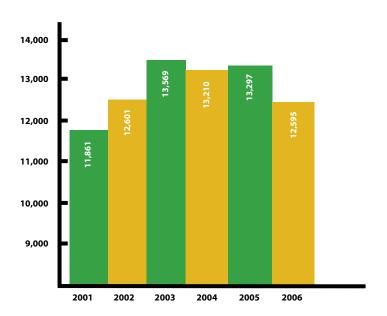
The hospital Marketing Department received two national awards for marketing excellence from *Marketing Healthcare Today* magazine. The department received a Gold Award for its 2004 Annual Report and a Silver Award for the "No One Knows Children" magazine advertising series.

## **Website Garners National Recognition**

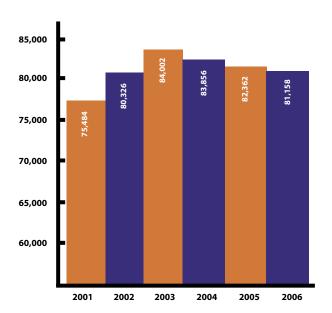
Miami Children's website, www.mch.com, was honored by eHealthcare Strategies and Trends at its seventh annual eHealthcare Leadership Awards. The site received a Platinum Award for Best Overall Internet Site.

## 2006 financial highlights

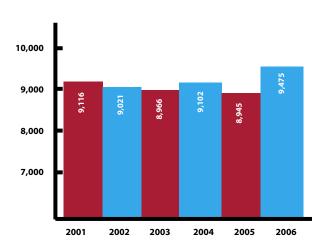
## **Inpatient Admissions**



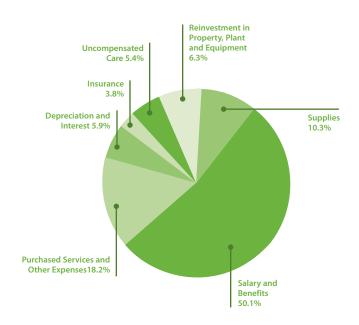
## **Emergency Room Visits**



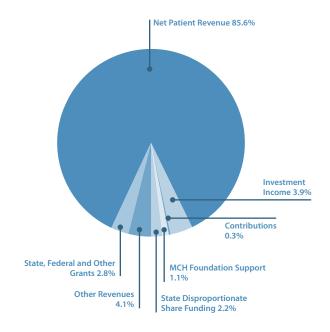
## **Total Surgical Cases**



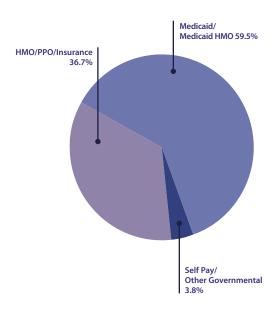
## 2006 Expenses



#### **2006 Sources of Revenue**



## **2006 Inpatient Discharges by Payor**



## **2006 STATISTICAL DATA**

Total Inpatient Days: 71,200

Total Inpatient Admissions: 12,595

Inpatient Average Daily Census: 195

Inpatient Occupancy Percent: 71%

Total ER Visits: 81,158

MCH General Clinic Visits: 7,938

Ambulatory Visits: 6,952

Observation Visits: 2,393

Private Outpatient Visits: 157,660

Total Surgical Cases: 9,475

Average Length of Stay: 5.7 days

#### MCH SOUTH DADE

Rapid Care: 14,600

Rehab Visits: 11,315

#### **MCH MIAMI LAKES**

Rehab Visits: 7,217

#### **MCH DAN MARINO CENTER**

Rehab Visits: 17,817

#### MIAMI CHILDREN'S HOSPITAL FOUNDATION IS PROUD OF US TOO

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 other organizations for their generous support during the past year. Thank you for making a difference in the lives of our children!





Miami Children's Hospital Foundation thanks Robin Reiter-Faragalli (above) for her years of dedicated service as its president and welcomes Lucy Morillo (below) as the new foundation president in 2007.

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Marta G. Ismail Jackie Gleason Theater Emily and John Jimenez Natalie M. Joad Joe's Stone Crab Restaurant Melissa Johnson JP Fashion Kristine Michael Sara Kuper Marilyn and Y. Stephen Liedman Little Hoolie's Sports Bar & Grill Longhorn Steakhouse Victoria and Carlos E. Lowell Nicole Francesca and Edgar Lozano Norma Luaces Luca Luca Luggage Gallery Luna Bella, Inc. Lyons Salon and Spa Main Moon Buffet Marriott South Beach McPherson-Barrett Photography The William & Dorothy Meyers Foundation Miami Beach Chamber of Commerce Miami Beach Cosmetic & Plastic Surgery Center Miami Children's Museum Miami Dade County Public Schools Miami-Dade Police Department Miami Dolphins Ltd. Miami Performing Arts Center Miami Seaquarium Miami-Dade College – Psychology Class Spring 06 Miami-Dade County Consumer Services Department Miccosukee Golf and Country Club MK Tours & Travel Money Solutions Mortgage Bryce and Chase Muniz Murnor Studio Myra & Company Spa Salon & Studio William R. Nash, Inc. Nobu Miami Beach Norman's Nortel Networks Ocean Bank Oilily Once Upon a Shoe Mariauxi Pages Palm Restaurant Cliff Palmer Paramount Automated Food Services, Inc. Pascal's on Ponce **Pearl Art Supplies** Perricone's Marketplace Peter Pan Boutique PGC Mechanical, Inc. Pietra, Inc. Place St. Michel, Inc. The Playground Theatre for Young Audiences Donald J Pliner Pollo Tropical Post Blue Jean Co. Premier Parking Consulting, Inc. Prime One Twelve Princess Khrystle & Prince Michael Foundation Publix Super Markets, Inc. R.J. Gator's

Jessie Isherwood

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Rincon Español Restaurant
Riviera Country Club
Rodbenders Raw Bar
Juana Romero
Saks Fifth Avenue-Bal Harbour
Saks Fifth Avenue-Dadeland
Pam and Mark Salemi
Salero Tapas-Cafe-Bar

Liz Santana
Santy's Air Conditioning
Ari Saperstein
Schakolad Chocolate Factory
Sharp Designers Hair Salon
Helys Solana
Sony Latin America, Inc.
St. Kevin School (Pre-K4)
Sunrise Sports and Entertainment
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Tiffany & Company-Bal Harbour Shops
Titan Towing Recovery, Inc.
Tourneau
Toy Town
Tri-City Electric Co., Inc.
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Valentino Boutique
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The above listings reflect support received between January 1 and December 31, 2006. We apologize if we have inadvertently omitted or misprinted your name. Please direct questions or corrections to Sofia Durkee at 786-268-1829.

There are many ways you can help secure a healthy future for our children – through the gift of time, services, cash, stock, real estate, or by naming MCHF as a beneficiary in your will. For more information, please contact Meschelle J. Huether, Vice President of Estates, Gift Planning and Annual Fund, 786-268-1847 or mhuether@mchf.org, or visit our website at www.mchf.org.

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The 2006 Annual Report is compiled by the Marketing and Public Relations Department of Miami Children's Hospital.

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