



University Hospitals

SUMMER 2010

LEGACY

ACHIEVEMENTS

IN HEALTH CARE, MEDICAL SCIENCE AND PHILANTHROPY



SOLVING THE CYSTIC FIBROSIS CONUNDRUM

a message

from Thomas F. Zenty III, Chief Executive Officer, University Hospitals



TOP MEDICAL CARE IS CLOSE TO HOME

When Kenn Ricci was searching for the best care for his 16-month-old son who had been diagnosed with cystic fibrosis, he learned that the physician-scientist who led the first trial of a novel gene therapy for the disease was here at University Hospitals.

Kenn would soon come to appreciate the tireless and groundbreaking efforts of Michael Konstan, MD, who was recently named Chairman of the Department of Pediatrics at University Hospitals Case Medical Center's Rainbow Babies & Children's Hospital and Case Western Reserve University School of Medicine. Dr. Konstan, a national leader in cystic fibrosis research, remains a compassionate caregiver to Austin Ricci, now age 9.

In this issue of Legacy, we profile Dr. Konstan's extraordinary contributions to cystic fibrosis patients and describe how Kenn, a member of both the UH Case Medical Center Board of Directors and the Rainbow National Leadership Council, gave \$2 million to UH Rainbow Babies & Children's Hospital to establish the Austin Ricci Chair in Cystic Fibrosis. This generous gift is fueling the effort to find a cure for cystic fibrosis.

Our generous patients, grateful for the superb care they've received, are paving the way for our continued progress in other key service areas. We are proud to share the story of Jack and Mary Jane Breen, passionate advocates of early cancer detection, whose experience at University Hospitals following Mary Jane's 2009 breast cancer diagnosis inspired them to make a \$5 million gift in support of Vision 2010.

As a tribute to the Breens' exceptional generosity, UH will name the Breen Breast Health Pavilion in their honor. It will be housed in our new Cancer Hospital and will feature a full range of advanced breast health and diagnostic services. The Breens' dedication to UH is truly singular, as evidenced not only by their financial support but by Jack's 28 years of service as a UH board member.

Longtime UH supporters Joy and Tom Murdough have, likewise, experienced the state-of-the-art care we deliver. When Joy received a colon cancer diagnosis in 2008, she turned to esteemed colorectal surgeon Conor Delaney, MD, for treatment. Dr. Delaney performed a laparoscopic colectomy, an advanced, minimally invasive surgical procedure that made possible Joy's swift return to health.

As we honor the generous support of our benefactors and celebrate the pioneering care we provide our community, in these pages we also mark our progress toward making Vision 2010, our strategic plan, a reality. The recent topping off of our new Center for Emergency Medicine and Marcy R. Horvitz Pediatric Center for Emergency Medicine affirms that we are holding to our foundational principle to enhance and expand access to the exceptional care our dedicated physicians and staff deliver every day. As Vision 2010 construction draws to a conclusion, we deepen our commitment to our enduring mission: To Heal. To Teach. To Discover. **UH**

A handwritten signature in black ink that reads "Thomas F. Zenty III". The signature is fluid and cursive, written in a professional style.

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on the cover
KENN RICCI and his sons, **AUSTIN** (on shoulders) and **KENNEDY** / photo **KEITH BERR**

Highlights

UROLOGY INSTITUTE GIVES SOLUTIONS TO BABY BOOMERS AND OTHERS



Firouz Daneshgari, MD, FACS

Urinary incontinence is quickly becoming known as the “baby boomers’ disease,” according to Firouz Daneshgari, MD, FACS, Chairman of the Department of Urology and Director of the new UH Urology Institute. An estimated 13 million Americans – about one in 20 people overall – have urinary incontinence, and the rate for people over 65 is nearly double. Incontinence is more prominent in women than men.

According to the U.S. Census, about a third of the Greater Cleveland population is now older than 50, as compared to one-fourth of area residents just 20 years ago. This increase in the aging populace is evidence of the growing need for services to diagnose and treat people with incontinence concerns so they can maintain their quality of life.

“Men and women in their 60s, 70s and 80s are now healthier than ever, and they want to play tennis and golf without worrying about leakage,” said Dr. Daneshgari, who is the Lester Persky Professor of CWRU School of Medicine.

The new UH Urology Institute, under the direction of Dr. Daneshgari, includes specialists and options for medical and surgical treatment of urinary incontinence and other conditions.

For more information or to schedule an appointment with a UH urologist, call 1-866-UH4-CARE (1-866-844-2273) or visit UHhospitals.org/LegacyUro.



University Hospitals



Rainbow Babies
& Children's Hospital

UH RAINBOW BABIES & CHILDREN'S HOSPITAL RANKED AS ONE OF AMERICA'S BEST CHILDREN'S HOSPITALS

U.S. News & World Report has once again recognized University Hospitals Rainbow Babies & Children's Hospital as one of America's best children's hospitals. This year marks nearly two decades of Rainbow being included in this elite annual ranking.

For the third consecutive year, Rainbow ranked among the top five children's hospitals for the care of newborns, at No. 4 in this year's survey. Rainbow is among the top 30 children's hospitals in the nation in seven out of 10 medical specialties: neonatology (No. 4), cancer (No. 26), diabetes and endocrine disorders (No. 13), kidney disorders (No. 23), neurology and neurosurgery (No. 17), orthopaedics (No. 14), and respiratory disorders (No. 10).

The ranking was announced on June 3. The complete list of rankings is available online at www.usnews.com/childrenshospitals.

UH CASE MEDICAL CENTER ONLY HOSPITAL IN MIDWEST NAMED TO TOP 15 LIST; INTENSIVE CARE NURSES AGAIN CITED FOR EXCELLENCE IN CARE

The excellence of care at University Hospitals continues to receive national acclaim and honors. UH Case Medical Center was recognized for the fifth consecutive year as one of the top 15 Major Teaching Hospitals in the **Thomson Reuters 100 Top Hospitals: National Benchmark study**.

This dovetails with the recognition last fall when University



Hospitals was also recognized by Thomson Reuters as being one of the Top 10 Hospital Systems in the United States.

This spring, the Pediatric Intensive Care Unit at UH Rainbow Babies & Children's Hospital received the **Beacon Award for Critical Care Excellence**. This award was established



by the American Association of Critical Care Nurses and recognizes critical care and progressive care units that meet high-quality standards by demonstrating exceptional care of patients and their families while fostering and sustaining healthy work environments.

University Hospitals has received this prestigious award a total of 10 times:

- Five consecutive years for the Medical Intensive Care Unit (MICU)
- Three consecutive years for the Surgical Intensive Care Unit (SICU)
- First year for the Cardiac Intensive Care Unit (CICU)
- First year for the Pediatric Intensive Care Unit (PICU)

“We salute the outstanding nurses at UH who work tirelessly every day and demonstrate the UH dedication to compassionate care for patients and their families,” said Fred Rothstein, MD, President of UH Case Medical Center and Clinical Professor of Case Western Reserve University School of Medicine.

TODAY SHOW FEATURES DR. ARRUDA PERFORMING ATRIAL FIBRILLATION SURGERY



Mauricio Arruda, MD

NBC's Today show cameras recently visited UH Case Medical Center, where cardiologist Mauricio Arruda, MD, of the UH Harrington-McLaughlin Heart & Vascular Institute, demonstrated a new technique for treating a woman with atrial fibrillation, a common type of heart arrhythmia.

With NBC chief medical editor Nancy Snyderman, MD, at his side, Dr. Arruda deftly guided the tip of a catheter into a woman's heart while he watched the progress on a computer monitor. Millions of live television viewers watched from across the United States.

More than 2.6 million Americans are diagnosed with atrial fibrillation each year, often leading to heart attack or stroke if left untreated. Dr. Arruda performed the new procedure with the help of a precise, magnetic, computerized control system that minimizes patient and clinical staff exposure to excess radiation. He is Director of the Electrophysiology Center and Atrial Fibrillation Center at UH Harrington-McLaughlin Heart & Vascular Institute and Associate Professor of Medicine, CWRU School of Medicine.

The advanced medical and surgical resources at University Hospitals are getting noticed throughout the country with the availability of a high-tech television studio located at UH Case Medical Center. High-speed video and audio transmission capabilities enable live national coverage of breaking news throughout the campus and in-studio interviews with UH medical experts. As a result, major broadcast and cable television networks are turning to UH with increasing frequency to inform their viewers about new life-saving technologies – many of them pioneered at UH.

To learn more about the UH Harrington-McLaughlin Heart & Vascular Institute's Atrial Fibrillation Center, visit UHhospitals.org/LegacyAFib or call 1-866-UH4-CARE (1-866-844-2273).

DIGESTIVE HEALTH INSTITUTE HAS ANSWERS FOR THOSE SUFFERING WITH DIGESTIVE PROBLEMS

Digestive problems can rob individuals of the pleasure of eating even healthy foods. The University Hospitals Digestive Health Institute has been established to provide accurate diagnoses and advanced treatments for patients with disorders of the upper and lower portions of the digestive system. It is under the direction of both Fabio Cominelli, MD, PhD, and Conor Delaney, MD, MCh, PhD. Dr. Cominelli is Chief of the Division of Gastrointestinal & Liver Disease at UH Case Medical Center and Professor at Case Western Reserve University School of Medicine. Dr. Delaney is Chief of the Division of Colorectal Surgery and Professor of Surgery at Case Western Reserve University School of Medicine. (See *related story on Page 10.*)

Institute physicians excel in the comprehensive, compassionate care of patients, understanding their needs and respecting the sensitivity of their circumstances. U.S. News & World Report ranks the digestive health program at UH as one of the top in the United States.

The multidisciplinary team is composed of gastroenterologists, hepatologists, surgeons, pathologists, radiologists, nurses and support staff. The institute offers a full range of diagnostic testing, minimally invasive procedures and surgery. Centers of excellence within the institute focus on gastrointestinal cancer, inflammatory bowel disease, bariatric surgery and nutrition, liver disease, advanced endoscopy, GERD (gastroesophageal reflux disease) and swallowing disorders, CT colography/colonoscopy and women's health. The institute's endoscopy suite is the first hospital unit in Ohio to be recognized by the American Society for Gastrointestinal Endoscopy. Institute physicians are nationally known for their expertise in endoscopic procedures.

To learn more about the UH Digestive Health Institute or to schedule an appointment, call 1-866-UH4-CARE (1-866-844-2273) or visit UHhospitals.org/LegacyDHI.





MEET MARY JANE AND JACK

Mary Jane Breen did everything in her power to stay healthy. Yet, in June 2009, she received news that women of all ages and backgrounds have come to fear: she had breast cancer.

BREEN *Inspiring Others to Embrace the Spirit of Philanthropy*

"I was stunned," Mary Jane said. "I ate well, I took care of myself, I had breastfed my children. Yet, here I was learning I had cancer and that it was malignant. It hits you hard," she said.

Just six months earlier, Mary Jane had undergone a mammogram that indicated an abnormality in the affected breast. A follow-up scan and special diagnostic testing at University Hospitals Breast Center confirmed the presence of cancer, a finding that would not have been discovered through routine breast exams. As it turned out, Mary Jane's cancer was confined to a duct in the breast, a condition that can prove elusive, and subsequently dangerous, if not found through a mammogram.

"Mammograms save lives by finding breast cancer at its earliest and most curable stages," said Paula Silverman, MD, Medical Director of the Breast Cancer Program at University Hospitals Ireland Cancer Center and Associate Professor at CWRU School of Medicine. "Tumors such as Mary Jane's are picked up by finding small calcium deposits in the breast. They are almost always cured with minimal surgery and radiation, and do not require chemotherapy." Dr. Silverman added that even breast cancers that have spread beyond the ducts have a far better outcome when found by mammogram before a lump can be felt.

Mary Jane and her husband, John (Jack) Breen, former Chairman and CEO of Sherwin-Williams and Lifetime Director of the University Hospitals board, hope that other women too will have positive outcomes. It is their vision that all women

with breast cancer will have access to the advanced diagnostic tools and leading-edge cancer therapies that helped to detect and effectively treat Mary Jane's early stage cancer.

Toward that end, in December 2009, the Breens donated \$5 million to University Hospitals to support the health system's Vision 2010 strategic plan, which includes an ambitious effort to expand cancer services. Their gift also honors the outstanding work of UH physicians and CWRU professors James Coviello, MD; Donald Goodfellow, MD; Joseph Jozic, MD; Lawrence Kent, MD; Matthew Kraay, MD; Hermann Menges, MD; Janice Lyons, MD; Marjie Persons, MD; Donna Plecha, MD; and Dr. Silverman.

As a tribute to the Breens' exceptional generosity, UH will name the Breast Health Pavilion in their honor. Scheduled to open in spring 2011 in the new freestanding UH Cancer Hospital, it will house a full range of advanced breast health services, including screening mammograms, diagnostic procedures, cancer services and survivorship programs.

"Early detection is key to saving lives," Mary Jane said. "It is our hope that the Breen Breast Health Pavilion will enable more breast cancer cases to be cured through early detection and through the use of new and innovative techniques for biopsies."

"The Breen Breast Health Pavilion will be a place where patients can undergo screening and have procedures to check on abnormal mammograms or



Paula Silverman, MD



Janice Lyons, MD



Donna Plecha, MD



Marjie Persons, MD

“I couldn’t have asked for a more dedicated and professional team of caregivers, or for greater efficiency in my treatment. The care they provide is simply world-class.” – Mary Jane Breen

lumps and visit with their cancer specialists all in one space,” said Dr. Silverman. “We are designing the Pavilion to allow the very best experience possible for our patients.”

According to the Breens, early detection of breast cancer will be a primary focus of the Breen Breast Health Pavilion. “Unfortunately, there is no cure for cancer at the moment, so finding and treating breast cancer in its earliest stages is of paramount importance to women,” Jack said. “It played an important role in my wife’s case, and we want other women to benefit from the diagnostic services and technology that saved Mary Jane’s life.”

The Breen family gift also was made in recognition of the excellent care their children and grandchildren have received at University Hospitals throughout their lives. All of the Breens’ grandchildren were born at UH MacDonald Women’s Hospital and two of their grandsons received care in the Neonatal Intensive Care Unit at UH Rainbow Babies & Children’s Hospital. The Breens’ daughter, Anne Tomolo, MD, completed her residency at UH and served as chief medical resident.

As a former nurse trained in cardiovascular medicine, Mary Jane is particularly attuned to the needs of the patient. She understands the critical role UH’s highly personalized care has played in the outcomes she and her family have experienced. She is quick to characterize the efforts of her physicians, including Janice Lyons, MD, Director, Breast Cancer Services,

UH Case Medical Center; Donna Plecha, MD, Administrative Director, Breast Imaging, UH Case Medical Center; and Marjie Persons, MD, Surgical Oncologist at UH Case Medical Center, as “impressive, truly extraordinary. They see so many patients and confront the same challenges every day, yet somehow they are so positive and compassionate toward every individual. It’s really remarkable,” she said.

She also commends the physicians, radiologists and staff of UH Chagrin Highlands Health Center, where she underwent radiation therapy, for their empathy, kindness and unwavering focus on patient needs. “I had an absolutely wonderful experience there,” Mary Jane said. “I couldn’t have asked for a more dedicated and professional team of caregivers, or for greater efficiency in my treatment. The care they provide is simply world-class.”

With their extensive history of turning to University Hospitals to fulfill their health care needs, the Breens are champions of several areas of the health system including UH Rainbow Babies & Children’s Hospital and the Department of Orthopaedics, among others. The couple is proud to associate their name with UH’s breast cancer program due to the growing prevalence of the disease. “It’s such a widespread disease,” Jack said. “We thought about it and decided our gift would have the greatest impact in helping to treat breast cancer.”

The Breens also hope their gift will serve another purpose – to inspire others to embrace the spirit of philanthropy. “We want our children and our community to be philanthropic and to improve the lives of those around us,” Mary Jane said. “It isn’t the amount of the gift, but the spirit of giving that makes a difference.” UH

To support this important work, visit UHhospitals.org/giving or use the envelope inserted in this issue and mark it “Breast Health.”



Jack Breen

Jack Breen: A Lifelong Commitment of Leadership

Born in Cleveland during the Great Depression, Jack Breen graduated from Cathedral Latin High School in 1952. He continued his Cleveland-based education, earning his bachelor's degree in business administration from John Carroll University in 1956 and his MBA from Case Western Reserve University in 1961. In 1958, he married the love of his life, Mary Jane. Today, the couple has five children and 10 grandchildren.

For more than two decades, Jack was committed to quality, accountability and personal responsibility at The Sherwin-Williams Company. Upon assuming leadership of the corporation in 1979, he staved off a potential bankruptcy and hostile takeover attempt. He then led the company to 22 consecutive years of earnings improvement and grew net income from \$5 million to \$304 million.

An inspired leader, Jack guided Sherwin-Williams through a tremendous period of growth while playing a vital role on the University Hospitals Board of Directors. Both founded in 1866, Sherwin-Williams and University Hospitals share more than the distinction of being two of Cleveland's greatest historical institutions. For the past 144 years, members of the Sherwin-Williams leadership team have provided uninterrupted service through their work on the University Hospitals board. Jack personally extended this legacy by nearly 30 years.

In honor of his immeasurable influence while serving on the board and his deep commitment to the health system, Jack was honored with the distinction of being named UH Lifetime Director. He joins George M. Humphrey II as the only board member of University Hospitals to have received this prestigious honor to date.

During Jack's time on the board, the health system achieved a number of significant improvements and developed several major new facilities. In addition to the transition from a one-site hospital to a premier health system with 150 locations, Jack witnessed the opening of Lerner Tower and Mather Pavilion as well as Horvitz Tower at UH Rainbow Babies & Children's Hospital. The most significant construction projects Jack supported are part of Vision 2010, UH's milestone strategic plan. They include the Quentin & Elisabeth Alexander Neonatal Intensive Care Unit (NICU) at UH Rainbow Babies & Children's Hospital, which serves as a model for NICUs around the world, the freestanding UH Cancer Hospital, an expanded Emergency Department, and the pacesetter UH Ahuja Medical Center, which will open in 2011.

Yet, of these many achievements, Jack said he is most proud of the part he played in helping to recruit and retain top talent within the health system.

"The defining moment on the board for me was the selection of Tom Zenty as CEO of the health system," Jack said. "We then appointed Fred Rothstein President of University Hospitals Case Medical Center, and the combination of the two leaders has worked beautifully. In fact, they've accomplished more than I would have ever thought possible."

The same could be said for Jack. His insight, leadership, business acumen, and generous commitment of time and energy have helped University Hospitals grow and develop into the mission-driven system it is today.



VISION 2010: The UH *Difference*

UPDATE

11.2007

UH Twinsburg Health Center

1



5.2009

UH Rainbow's Quentin & Elisabeth Alexander Neonatal Intensive Care Unit

2



4.2010

UH Medina Health Center

3



10.2010

UH Case Medical Center Parking Garage

4



Scheduled to open next year, the new Center of Emergency Medicine (CEM) replaces the current one and will accommodate the more than 80,000 anticipated visits by community residents of all ages, races and income levels. It has been designed to maximize patient comfort, privacy and safety and will offer direct and convenient drive-up access from Euclid Avenue. The Marcy R. Horvitz Pediatric Emergency Center within the CEM will include separate pediatric treatment and waiting areas, shielding children from potentially stressful situations in the adult emergency department and offering specialized equipment and care. The CEM will house residency training programs in adult and pediatric emergency medicine, helping to meet the community's need for more emergency medicine specialists while advancing UH's leadership in training tomorrow's health care leaders.

Other gems in the UH Vision 2010 crown

Since the Vision 2010 plan was announced, UH has opened UH Twinsburg Health Center in Twinsburg (photo 1, above), UH Rainbow Babies & Children's Hospital's Quentin & Elisabeth Alexander Neonatal Intensive Care Unit at UH Case Medical Center (photo 2), and UH Concord Health Center in Concord. The UH Medina Health Center (photo 3) opened in April and is now serving the residents in the fast-growing Medina area. Scheduled to open within the next year are the UH Case Medical Center Parking Garage (photo 4), UH Ahuja Medical Center (photo 5) and UH Cancer Hospital (photo 6), one of only 12 freestanding cancer hospitals in the nation.

In addition to bringing UH care closer to home for communities across the region, the reinvestment in Cleveland and Northeast Ohio has impacted the economy, providing a \$1.2 billion stimulus including \$800 million in construction projects. Besides providing jobs and employing a diverse workforce, UH has developed environmentally conscious initiatives in design and is building the new facilities to achieve Leadership in Energy and Environmental Design (LEED) certification.

Creating a greener campus

Faced with the prospect of positioning 29 acres of buildings and parking area on 32 acres of property along Euclid Avenue, UH made a commitment to "green" the area and to create a buffer along Euclid Avenue between the hospital campus and the Case Western Reserve University campus across the street. Gardens, including a healing garden that will be a place of solitude and rejuvenation for patients, will enhance the new UH Cancer Hospital scheduled to open in 2011. The new visitor parking garage has been designed with artistic exterior cladding to complement and integrate the facility with the Center for Emergency Medicine and Cancer Hospital.

Breathtaking state-of-the-art medical edifices to improve quality health care in the region continue to rise as University Hospitals fulfills the promise made in 2005 for its strategic plan, Vision 2010. The topping off of the renovated UH Center for Emergency Medicine and Marcy R. Horvitz Pediatric Center for Emergency Medicine (photo 7, below) on May 21 is the latest gem in the Vision 2010 crown, with more to be added in the next 11 months.

1.2011

UH Ahuja Medical Center

5



3.2011

UH Cancer Hospital

6



6.2011

UH Center for Emergency Medicine and Marcy R. Horvitz Pediatric Center for Emergency Medicine

7



Momentum builds as UH Ahuja Medical Center nears completion

The same attention to the environment and beauty is being applied to the new UH Ahuja Medical Center, scheduled to open in January in Chagrin Highlands near the intersection of Harvard and Richmond roads – just off Interstate 271. UH Ahuja Medical Center will incorporate natural features, such as bright and airy spaces, healing gardens, ponds, fountains and attractive landscaping bordering parking areas. Walkways, a boardwalk and gardens will wind throughout the campus and existing natural landscapes will be preserved.

“There is great excitement about UH Ahuja Medical Center and our plans to deliver the highest-quality, most personalized care through an unparalleled patient experience,” said James Benedict, President of UH Ahuja Medical Center. “We look forward to welcoming our first patient at UH Ahuja Medical Center in early 2011.”

The emerging health care needs of the surrounding communities shaped UH Ahuja’s design and inpatient and outpatient services. The medical center will provide a full range of medical, surgical, and adult and pediatric emergency services within an easily accessible campus designed to promote healing, wellness, and the standards of quality and safety for which UH is known. Patient rooms are designed to improve privacy and protect sensitive patient information. Wireless technology and other complementary services will be available.

The first phase of the 432,000-square-foot UH Ahuja Medical Center will include a 144-bed, seven-story hospital and a medical office building. Its flexible design will allow two additional towers for a total of 600 beds. UH Ahuja Medical Center was one of only six facilities in the nation recognized by Modern Healthcare, a leading industry publication, in its 2008 Design Awards.

UH Ahuja Medical Center takes its name from Monte Ahuja, his wife Usha, and their family, in recognition of their extraordinary philanthropic support of UH’s Vision 2010 strategic plan. In 2006, the Ahuja family donated \$30 million to Vision 2010.

Details of the public open house to be held later this year at UH Ahuja Medical Center will be forthcoming. To learn more about UH Ahuja Medical Center, visit UHhospitals.org.

To learn more about Vision 2010 plans, visit UHhospitals.org/vision2010.

MINIMALLY INVASIVE



Conor Delaney, MD, (center) with Joy and Tom Murdough

She's Lucky to Have Them Both

In June of 2008, Joy Murdough wasn't feeling very lucky. As a result of her annual physical, she was diagnosed with colon cancer. But then her husband Tom, founder of consumer product companies Little Tikes and Step 2, tracked down Conor Delaney, MD, MCh, PhD, Chief of the Division of Colorectal Surgery at University Hospitals Case Medical Center.

Suddenly, their dire fortunes reversed.

"I was very lucky to see Dr. Delaney and have him do my surgery less than two weeks later," Joy said. "We had heard that he was the best in his field, and we certainly know that now."

Better still, Dr. Delaney performed a laparoscopic colectomy, a minimally invasive surgical procedure he has been doing for more than a decade. "Obviously, Joy was very unlucky to get the disease that she did," Dr. Delaney said. "But fortunately, today, for many people, it's a cancer that we can cure."

The standard procedure to remove colon or rectal cancer formerly required a large incision, between 12 and 18 inches long. Now, the most advanced minimally invasive techniques that Dr. Delaney and the Colorectal Surgery Department surgeons employ enable them to do the whole procedure through an incision between one and one and a half inches long.

The powerful benefits of minimally invasive surgeries are many: smaller scars, significantly less pain, reduced likelihood of complications, and quicker recovery times, as well as reduced anxiety and stress for patients and their families.

"Minimally invasive surgery certainly was a wonderful thing for me," Joy recalled. "I was back in circulation in no time at all." She added that she doesn't even remember experiencing any pain.

In fact, she left the hospital after a couple of days. Two weeks later, the Murdoughs traveled to New Hampshire to keep their tradition of spending the summer there, returned for their annual Labor Day party, then immediately headed off for more travel adventures, as is their preference these days.

Since her surgery, techniques have advanced even further, explained Dr. Delaney, who remains the colorectal surgeon in Northeast Ohio with the most experience in minimally invasive colorectal procedures. He performs approximately 150 such procedures each year.

He is Vice Chair of the Department of Surgery, and Director of the Institute for Surgery and Innovation at UH Case Medical Center and CWRU School of Medicine, which has trained more than 4,500 surgeons in minimally invasive and other novel

SURGERY

procedures for a variety of surgical disciplines over the past five years.

I“It’s been very exciting, because we’ve had surgeons from all over the world come here to learn these procedures,” said the Dublin, Ireland, native, whose father was also a colorectal surgeon.

He emphasized that the procedures are not just for treating cancer. He and four other colorectal surgeons use them to treat almost every other gastrointestinal condition or disease, including Crohn’s disease, diverticulitis and ulcerative colitis.

Today, surgeons throughout University Hospitals perform minimally invasive procedures in virtually every surgical discipline, from cardiac surgery to neurosurgery, from orthopaedics to ophthalmology. This approach has become especially vital to UH Rainbow Babies & Children’s Hospital surgeons, who are leaders in providing these state-of-the-art procedures to pediatric patients so that the children and their families experience “less scar and less scare.”

While these operations have proven to be extremely beneficial for patients of all ages, are there any special benefits for the surgeons?

Dr. Delaney repeated the question and then laughed. “Actually, it’s technically more difficult and challenging,” he informed. “But the benefits for the patients are huge, and it has transformed patient recovery, so that’s why we do these procedures.”

The technical challenges are also all the more reason to find a surgeon with extensive training and experience in minimally invasive procedures.

Dr. Delaney made the entire process as easy as possible for the Murdoughs, Joy said. He even demonstrated the laparoscopic equipment for them and showed them what these procedures look like.

“Dr. Delaney is quite personable and calming,” Joy said. “He was very easy to converse with in explaining my condition, and he made the procedure very understandable.”

Several years ago, Joy and Tom donated a gift to the Department of Dermatology to found the Murdough Family Center for Psoriasis. The center was made possible by a \$5 million gift from The Murdough Foundation to advance the research and treatment of psoriasis, which, according to Joy, is a condition within her family.

These days, however, they’re feeling pretty lucky to have met Dr. Delaney and his team. And not just for the benefits of minimally invasive surgery.

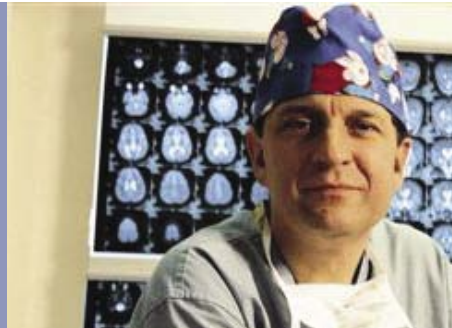
“Sure, I have no scarring, but it’s not that I was ever planning to wear a bikini,” Joy concluded with a laugh. “I tell people that Dr. Delaney is off the charts in my book and in my husband’s too, because he saved my life.” UH

To support this work, visit UHhospitals.org/giving or use the envelope inserted in this issue and mark it “Minimally Invasive Surgery.”

Rabii Madi, MD, Director of Robotic Surgery at UH Case Medical Center and Visiting Associate Professor, at CWRU School of Medicine



UH Doctors Making a *Difference*



Alan Cohen, MD



Philip Linden, MD

“There isn’t one area that I can think of where we don’t have

Each day at University Hospitals, world-class surgical teams continue to expand the frontiers of the latest minimally invasive procedures... from visually assisted thoracic surgery... to single incision laparoscopic surgery... often making the inoperable operable. Patients of all ages enjoy the benefits, from the tiniest incisions that leave little or no scar to quicker recovery times that return people to their daily activities faster. UH surgeons have blazed a trail nationally and internationally in Minimally Invasive Surgery. It is because of all the extraordinary UH physician-scientists, some of whom are highlighted here, that patients of all ages turn to University Hospitals when they need surgery.

Alan Cohen, MD, has spent the better part of his career pioneering minimally invasive endoscopic procedures. As Surgeon-in-Chief and Division Chief, Pediatric Neurosurgery at UH Rainbow Babies & Children’s Hospital, he has dedicated himself to using those procedures to save the lives of many pediatric patients. One of those children is Anika Kapur, who at age 4 was diagnosed with a devastating brain tumor.

Dr. Cohen and his team completely removed her tumor, and Anika returned to her life as a healthy, growing child, once more playing piano for her delighted parents, Sanjiv and Anju.

“We use computer guidance with pinpoint precision to get to the deepest parts of the brain,” Dr. Cohen explained. “Then we use endoscopic visualization to work sort of as a *Fantastic Voyage*, bringing the surgeon to that pathology with minimal trauma to the brain, which leads to shorter hospitalizations, quicker recovery, and ultimately, safer surgery.”

Dr. Cohen is also Director of the Minimally Invasive Neurosurgery Lab at CWRU School of Medicine. He has been Director of the AANS Practical Course on Minimally Invasive Neurosurgery since 1993, and he is Co-Director of the UH Rainbow Babies & Children’s Hospital Jennifer Ferchill Brain Tumor Center.

Using the most advanced procedures, **Philip Linden, MD**, relies on a tiny camera to enhance his view of the incision and guide his minimally invasive approach to remove a damaged lung or perform other thoracic procedures. With standard incisions, one of the most painful people can have, patients need six weeks or more to recover.

“With a video-assisted surgical incision, which requires no rib spreading or division of large muscles, most patients are back to work and back to their usual activities in about half the time,” said Dr. Linden, Chief, Division of Thoracic and Esophageal Surgery at UH.

Dr. Linden’s research interests include using the state-of-the-art CyberKnife® for lung cancer, lung surgery in the high-risk patient, and bronchoalveolar cancer. He has published numerous articles and abstracts in peer-reviewed journals, such as the *Journal of Thoracic and Cardiovascular Surgery*, *Journal of Clinical Investigation*, and *Chest*.

Dr. Linden received his Doctor of Medicine at the University of Pennsylvania School of Medicine and completed residencies in general surgery and cardiothoracic surgery at Brigham and Women’s Hospital, Boston Children’s Hospital and Harvard Medical School.



Raymond Onders, MD



Jeffrey Ponsky, MD



Todd Ponsky, MD

an expert in minimally invasive surgery.”

– Fred Rothstein, MD, President of UH Case Medical Center, Clinical Professor, CWRU School of Medicine

After completing his service as a Major in the United States Air Force, **Raymond Onders, MD**, became the first Director of Minimally Invasive Surgery at UH Case Medical Center.

During the past 12 years, Dr. Onders has led UH’s diaphragm pacing (DP) team and its research focus on helping people breathe naturally using their own diaphragm with the aid of a pacing implant. One of his first research subjects in helping spinal cord injured patients breathe without the ventilator was the late actor Christopher Reeve.

Having helped pioneer the minimally invasive approach to respiratory treatment, Dr. Onders and his team have accomplished more than 300 successful DP implants and provided clinical education worldwide.

“We’re already working on the next generation of applications to help more patients improve their quality of life by making breathing easier,” said Dr. Onders, Associate Professor of CWRU School of Medicine and the inaugural Margaret & Walter Remen Chair of Surgical Innovation.

Dr. Onders’ advancements have led to numerous patents, and he is a co-founder of Synapse Biomedical, which helps bring this technology to patients.

Shortly after beginning his surgical career at University Hospitals in 1976, **Jeffrey Ponsky, MD**, pioneered the use of minimally invasive surgery at UH by developing a new procedure for non-operative placement of a feeding tube. Ever since then, he has continued to refine and teach minimally invasive techniques.

Dr. Ponsky, Surgeon-in-Chief at UH, said: “The implementation of so many programs in cutting-edge minimally invasive surgery at University Hospitals is a reflection of the innovative spirit and creative thinking that make our doctors leaders in their fields and offer our patients the latest in medical care.”

He has published more than 200 articles and edited or authored several textbooks. In 2005, Dr. Ponsky received the Pioneer in Endoscopy Award from the Society of American Gastrointestinal Endoscopic Surgeons.

Currently, Dr. Ponsky is Chairman of the Department of Surgery at UH Case Medical Center and holds the Oliver H. Payne Professorship at CWRU School of Medicine. For his expertise, he has been listed in The Best Doctors in America each year since its inception. He is the father of UH physicians Todd Ponsky, MD, and Lee Ponsky, MD.

As Director of the Minimally Invasive Pediatric Surgery Center at UH Rainbow Babies & Children’s Hospital, **Todd Ponsky, MD**, works to ensure that UH has medical personnel who can perform almost every pediatric operation with minimally invasive techniques.

“UH Rainbow is one of the only centers in the country that can operate now using minimally invasive techniques in tiny little newborn babies, neonates that are only four or five pounds. We are able to do the operation through needle-size incisions,” said Dr. Ponsky.

“We focus on ‘less scar, less scare.’ When patients and families know that the children will not face the pain involved in a standard procedure and will have a quicker recovery time and a tiny scar, if any, they experience less anxiety and stress.”

Dr. Ponsky is an Assistant Professor of Surgery at Case Western Reserve University School of Medicine, which he attended from 1995 to 1999. To augment his specialty area, he completed a one-year Advanced Minimally Invasive Pediatric Surgery Fellowship at The Rocky Mountain Hospital for Children in Denver, Colo. in 2008.

Dr. Ponsky has trained more than 100 surgeons in Single Port Surgery and written more than 39 journal articles and nine book chapters. True to his strong focus on surgical education, he has directed four national/international courses and won numerous teaching awards.[UH](#)

To schedule an appointment with one of these surgeons, visit UHhospitals.org/docfinder or call 1-866-UH4-CARE (1-866-844-2273).



Psoriasis Research Helps Stimulate Local Economy

University Hospitals Case Medical Center is reinforcing its position as a world leader in clinical research and as a regional economic driver with the development of technology to treat psoriasis and other skin disorders.

“Our goal is to translate what we learn in the lab and move it quickly into new therapies that improve the outcomes for our patients,” said Fred Rothstein, MD, President of UH Case Medical Center and Clinical Professor at Case Western Reserve University (CWRU) School of Medicine.

Photodynamic therapy technology has been licensed by UH Case Medical Center to an Akron-based startup biomedical company as the result of research by doctors and scientists at UH and CWRU School of Medicine.

This therapy uses chemical compounds that are sensitive to light through specific wavelengths. When these compounds, called photosensitizers, are infused into tissue and exposed to light, they alter the function of the affected cells. Researchers are now working to determine the effects of this treatment on the skin disease psoriasis.

“Psoriasis affects 6 to 9 million people in the U.S. alone, with an estimated treatment cost of more than \$1 billion,” said Elma Baron, MD, principal investigator. “Our association with locally based companies will help not only patients, but also the regional economy.”

The Murdough Family Center for Psoriasis, created in 2006 with a \$5 million gift from The Murdough Foundation, helps support and stimulate both basic and clinical research along with treatment.

For more information or to schedule an appointment with a UH dermatologist, visit UHhospitals.org/LegacyDerm or call 1-866-UH4-CARE (1-866-844-2273).



Prostate Screening Tool Shows Promise of Greater Accuracy

Nearly 200,000 American men are diagnosed each year with prostate cancer. However, current prostate cancer detection tests such as the serum PSA can be relatively inaccurate – leading many men to undergo biopsy with its attendant risk, cost and anxiety over results – only to find that they do not have the disease.

Fortunately, a new prostate screening test researched at UH Case Medical Center may change the face of prostate cancer diagnosis. The urine-based test may be more sensitive in detecting prostate cancer than traditional screening methods. The PSA/SIA assay was studied by Mark Stovsky, MD, MBA, FACS, a urologist at UH Case Medical Center and Associate Professor of Urology at CWRU School of Medicine, and his colleagues. It was developed by Cleveland-based biotech company Analiza DX.

“Prostate cancer is the second most common cancer in men and this new test has the potential to provide better accuracy with improved sensitivity and specificity,” said Dr. Stovsky.



Mark Stovsky, MD

The screening tool has a lower overall false positive rate, and the initial validation study, which followed 222 men, had no false negative results. Further clinical research studies are ahead. Dr. Stovsky’s group has applied for National Institutes of Health (NIH) funding to investigate the use of the new test in specific areas of prostate cancer management. It shows great promise toward greater accuracy in prostate screening, according to Dr. Stovsky, who is also Chief of the Division of Urology at UH Richmond Medical Center.

To learn more about screening options for prostate cancer or to schedule an appointment with a UH urologist, call 1-866-UH4-CARE (1-866-844-2273).



UH Case Medical Center is Only Site in Midwest to be Part of Study on Gene Therapy For Alzheimer’s

By the year 2030, the number of older Americans with Alzheimer’s disease is expected to increase by 50 percent, but researchers at UH Case Medical Center are determined to slow down that rate of growth.

Led by principal investigator Alan Lerner, MD, Director of the UH Neurological Institute Memory and Cognition Center,



Alan Lerner, MD

UH Case Medical Center is one of 12 sites – and the only one in the Midwest – conducting the first phase 2 clinical trial of a gene therapy for Alzheimer’s disease. The study uses a viral-based gene transfer

system called CERE-110, which is designed to deliver nerve growth factor into the brain.

Nerve growth factor is a naturally occurring protein that may prevent nerve cells in the brain from dying and may help the cells function better. During the study, CERE-110 will be injected into an area of the brain where nerve cells die.

“Should the clinical development of this therapy be successful, CERE-110 could offer the possibility of delaying the course of Alzheimer’s disease – a real improvement over existing therapies,” said Dr. Lerner. He holds the Neurological Institute Chair in Memory and Cognition and is also Professor of Neurology at CWRU School of Medicine.

To learn more about the UH Neurological Institute’s Memory and Cognition Center, visit UHhospitals.org/LegacyMemory or call 1-866-UH4-CARE (1-866-844-2273).



Research Findings Give Promise to Cervical Cancer Patients

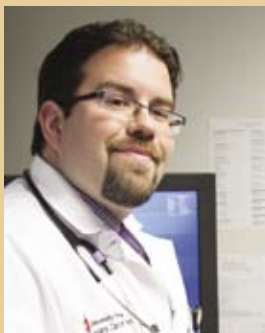
The distance from cancer research to cancer treatment may be shrinking based on new findings published by researchers at University Hospitals Ireland Cancer Center at UH Case Medical Center. The result could be a new standard of care for patients with advanced cervical cancer.

A phase one study, published in the February issue of *Clinical Cancer Research*, found that a new chemotherapy medicine, Triapine, was well-tolerated when combined with existing cisplatin chemotherapy and radiation therapy in women with cervical cancer. This regimen provided both significant reduction in cancer disease and cancer control.

"This new drug, which suppresses tumor growth, shows a great deal of promise for cervical cancer patients who are at high risk for relapse and cancer-related death," said Charles Kunos, MD, the study's primary investigator. He is Director of Gynecologic Radiation Oncology at UH Case Medical Center and Assistant Professor at CWRU School of Medicine. "In this 10-patient study, a 100 percent complete response rate was observed

and no disease progression was documented through 18 months of follow-up."

Cervical cancer is an aggressive disease affecting one-half million women worldwide each year. A phase two



Charles Kunos, MD

follow-up study is now underway at the UH Ireland Cancer Center.

To learn more about the UH Ireland Cancer Center, visit UHhospitals.org/LegacyICC or call 1-866-UH4-CARE (1-866-844-2273).



Developed by UH Plastic Surgeon, Device Offers Relief To Migraine Sufferers



Bahman Guyuron, MD

Anyone suffering from frequent migraine headaches understands the toll they can take on productivity and on the pocketbook. But lost work days and

pricey medications may be reduced in the future thanks to a new treatment developed by a University Hospitals surgeon.

Bahman Guyuron, MD, Chairman of the Department of Plastic Surgery at University Hospitals Case Medical Center, has introduced a new device, called SootheAway™, that offers a drug-free treatment for migraine headaches, tension headaches and sinus problems. The device, which is thermo-electrically heated and cooled, contains pads that target specific areas of pain and injury. For migraine relief, the pads can be placed on the temples, forehead, eyes or other areas affected during a debilitating migraine attack. These pads can be used after sports

injuries, following surgery and anytime heat or cold therapy can benefit the patient.

Dr. Guyuron, Professor at CWRU School of Medicine, has received wide acclaim recently for his surgical techniques used to treat and reduce migraines, and the new device now offers a portable, easy-to-use alternative.

"A wide variety of prescription medications, injections and even surgery are all available options for individuals with migraines. But the new device provides a low-risk, low-complexity headache treatment solution that works," said Dr. Guyuron. "The efficacy of heating and cooling therapy in alleviating pain has been recognized for years."

To learn more about Dr. Guyuron and this option for alleviating migraine headache pain, visit UHhospitals.org/LegacyDerm or call 1-866-UH4-CARE (1-866-844-2273).

SOLVING THE CYSTIC FIBROSIS CONUNDRUM

Thank heavens for serendipity.

Thirty-five years ago circumstance and fate collided when Michael Konstan, then a young pre-dental student at Case Western Reserve University, answered an ad for a scouting leader at University Hospitals Rainbow Babies & Children's Hospital. The Akron native, and former Eagle Scout, simply thought it might be a nice way to volunteer while enjoying his love of scouting.



“Dr. Konstan is compassionate

Fortuitously, he found himself at one of the nation's leading hospitals known for extending the lives of those with cystic fibrosis.

His next unexpected stop: the patients. They charmed their way into his heart and won his passionate commitment to change the course of the inherited chronic disease that primarily affects the lungs and digestive system.

What seemed child's play at first became his life's work. Today, Michael Konstan, MD, is Director of the LeRoy W. Matthews Cystic Fibrosis Center and newly named Chairman of the Department of Pediatrics at UH Rainbow Babies & Children's Hospital and CWRU School of Medicine. He is one of the nation's leading cystic fibrosis researchers. In 2007, Dr. Konstan became the inaugural holder of the Austin Ricci Chair in Pediatric Pulmonary Care and Research. The \$2 million gift from Austin's father, Kenn Ricci, established the endowed chair in honor

of Dr. Konstan with \$500,000 in matching funds from the Rainbow Babies & Children's Foundation. Mr. Ricci is a member of both the UH Case Medical Center Board of Directors and the Rainbow National Leadership Council. His gift will support a new and dedicated clinical and research space for cystic fibrosis and other pediatric lung disorders.

Last summer Dr. Konstan was named one of 30 national "All-Stars Among Us," sponsored by Major League Baseball and People magazine. Representing the Cleveland Indians, Dr. Konstan was honored for his life's work and commitment to extend the lives of cystic fibrosis (CF) patients.

The Ricci gift could pave the way toward finding a cure for the disease, which causes thick mucus to build up in the lungs and pancreas, creating a harbor for infection and inflammation. Mucus blocks the pancreas, preventing patients from absorbing vital nutrients. Approximately 1,000



Michael Konstan, MD, shows a model of the pancreas to Austin Ricci and his mother, Andrea.

and a champion of the underdogs.”

– Kenn Ricci,
Chairman
Flight Options

patients are diagnosed annually – usually during infancy. When Dr. Konstan began researching the disease, expected survival was in the mid-teens. Today, life expectancy has more than doubled.

“They no longer are complacent just waiting to die,” Dr. Konstan said. “They want to grow up, get married, have careers. They want to be productive members of society. Their outlook is incredible. They make our problems in life seem trivial.”

Dr. Konstan teaches the youngest of patients to become independent and gain mastery over the disease. He instructs children as they hold small models of the lungs and pancreas to see, in a very hands-on way, just how the disease can affect them. They learn the names of complex medications and how they help. Even young children can rattle off their rapidly growing list of therapies and medications at their clinic visits. By the time they reach their teens, Dr. Konstan expects them –

not their parents – to call if they are sick or just to ask a question. He continues to follow about 50 of the Center’s 350 patients.

One of them is Austin Ricci, whom he met in October 2002 at the age of 16 months, soon after he was diagnosed with cystic fibrosis. As Austin grew older, the two bonded during his frequent follow-up visits. “He is unbelievably active,” Dr. Konstan said of Austin. His mother, Andrea, calls him “a firecracker.” Austin, 9, a third-grader at Gilmour Academy, is very compliant with the many therapies which will increase as he gets older. He currently spends nearly an hour every day on procedures. He takes dozens of pills. Twice a day he dons a special vest that shakes his lungs free of mucus for 20 minutes. He also inhales other medicine aerosolized through a nebulizer.

Kenn Ricci, chairman of Flight Options, built his career on innovative services in the aviation

industry. "My training as a pilot taught me to deal with emergencies," he said. Following Austin's diagnosis, a network of Kenn's national business associates told him the best treatment could be found in his own backyard at UH Rainbow Babies & Children's Hospital.

There, he found Dr. Konstan, who soon became a favorite of both Austin and his parents. "He's compassionate and a champion of the underdogs," Kenn said.

Dr. Konstan said his patients have taught him about resiliency. "I was struck by the courage with which these kids faced their illness," he said. "It just didn't seem fair to have a child dying from this disease. I knew I had to help these patients." The self-admitted workaholic said, with no regret, that cystic fibrosis has become "my life's passion; it has nearly consumed my life." (He does, however, carve out time to sail on Lake Erie and dotes over his nieces, nephews and family.)

Dr. Konstan's very first research project in 1985 examined whether high doses of ibuprofen could dampen the intense inflammation in the lungs of CF patients. It wound up working in a four-year clinical trial, and is now standard treatment and the only approved anti-inflammatory treatment to slow the progression of cystic fibrosis lung disease.

The chances that one's first project might hit? Remarkable. The fact that it would make such a significant impact on the disease? Incredible.

The result? Give a workaholic like Dr. Konstan a victory and the bar gets raised just a little bit higher. "My goal is to get a second, a third breakthrough

like that," he said, with a gleam in his eye. Riding on the success of the ibuprofen therapy, Dr. Konstan set upon a new course – with hopes to cure cystic fibrosis.

He led the first trial of a novel gene therapy for the disease in 2002, and is hopeful that a cure is just around the corner. His work has been supported with grants from the Cystic Fibrosis Foundation, the National Institutes of Health (NIH) and the Food and Drug Administration.

Pamela Davis, MD, PhD, Dean of Case Western Reserve University School of Medicine, mentored Dr. Konstan on his first research project. "He is inspired by his patients and he is selfless. I've never seen anyone work any harder or longer or more intensively," she said.

Dr. Konstan co-chairs a national advisory group overseeing an 11-year epidemiologic study of nearly all known cystic fibrosis cases, some 30,000 in all. "We have identified several risk factors in patients as young as age 3 that predict lung function later in life," he said. "If we can modify those risks we can prevent complications and the eventual progression of lung disease." Tailoring therapies and personalized medicine might be where the solutions lie," said Dr. Konstan.

In the meantime, the physician continues learning from his young patients and they from him. Austin's favorite subject, like his doctor's, is science. Austin is also a master strategist – great at games and solving puzzles. Just like Dr. Konstan. UH

To support this important work, visit UHhospitals.org/giving or use the envelope inserted in this issue and mark it "Pediatric Lung Disease."

Kenn Ricci with his sons, Kennedy (left) and Austin



the Philanthropic Spirit

JOAN C. EDWARDS CHARITABLE FOUNDATION SUPPORTS FUTURE PHYSICIANS

A significant philanthropic investment by the Joan C. Edwards Charitable Foundation has created an innovative medical education pipeline program joining University Hospitals, Case Western Reserve University, and the Cleveland Metropolitan School District's Cleveland School of Science and Medicine at the campus of John Hay High School.



the late Joan C. Edwards

The gift was announced earlier this year during the annual White Coat Ceremony at the Cleveland School of Science and Medicine. At the ceremony, the freshmen class of aspiring physicians was welcomed into full membership of the school community and learned about the exciting new Edwards Foundation program.

The Joan C. Edwards Charitable Foundation's Health Profession Pipeline Program, also known as H3P, is for students from traditionally under-represented minorities and low-income backgrounds. The program includes an endowment for full-tuition undergraduate and medical school scholarships at Case Western Reserve University and funding to UH Case Medical Center to create the Edwards Fellowship and Physician Development Program.

H3P begins in 2011 and will provide academic programming and mentoring to students led by UH physicians and the Case Western Reserve University community. The program has the potential to educate 98 doctors over the next 60 years. Many of these doctors will come from Cleveland communities now designated by the Department of Health & Human Services as a Health Professional Shortage Area.

"The Joan C. Edwards Charitable Foundation looks to the Cleveland Health Profession Pipeline Program as a model for other communities nationwide," said Brian A. McDonald, the Edwards Foundation's executive director. "It is the belief of the foundation that the program as modeled here in Cleveland represents a significant step in the evolution of medical education pipelines. We hope that this model can be applied to other qualifying communities around the country as a way to most intelligently apply available scholarship funding."

The Joan C. Edwards Charitable Foundation was created in 2006 by a bequest from Mrs. Edwards through the Joan C. Edwards Trust. Mrs. Edwards was a philanthropist and former jazz singer. She and her husband, James, married in 1937 and spent most of their lives in Huntington, West Virginia, where Mr. Edwards led the National Mattress Company as owner and CEO.

To learn more about diversity at University Hospitals, visit UHhospitals.org/LegacyDiversity.



from left: Shelly Adelman, chairman of the UH Development Committee; Jeffrey Ponsky, MD; Al Cohen, MD; and Thomas Zenty, CEO of UH shared a moment at the Naples event.

MARK YOUR FLORIDA CALENDARS

Save the date for the yearly visit of UH leadership physician-scientists to Florida during the week of February 21, 2011.

Naples – **Monday, February 21, 2011**

Palm Beach – **Wednesday, February 23, 2011**

More information will be forthcoming.



from left: Bonnie Humphrey, Carol Ruhlman and Madeleine Parker at the Palm Beach event.

MINIMALLY INVASIVE SURGERY RESULTS WOW FLORIDA AUDIENCE

More than 800 friends and benefactors turned out for University Hospitals' fifth annual Florida outreach week in January. Drawing a record attendance, the outreach events in Naples and Palm Beach highlighted UH's leadership in minimally invasive surgery and the progress of the \$1.2 billion Vision 2010 strategic plan.

Guests heard inspiring presentations by surgery leaders including Jeffrey Ponsky, MD, Surgeon-in-Chief at UH, and Alan Cohen, MD, Surgeon-in-Chief at UH Rainbow Babies & Children's Hospital. Drs. Ponsky and Cohen talked about the latest advances in minimally invasive surgical techniques, devices and technologies at UH. As pointed out by Dr. Cohen, families across Northeast Ohio and beyond rely on UH Rainbow Babies & Children's Hospital as a world leader in pediatric minimally invasive surgery.

"Philanthropy has played a key role in supporting the ongoing innovation that allows us to provide new, less invasive options to children with complex neurosurgical disorders," said Dr. Cohen. "It is a privilege to share with UH's friends in Florida examples of exciting and heart-warming surgical success stories that their generosity has helped make possible."

The Naples event was held at The Ritz-Carlton Beach Resort and the Palm Beach event was held at The Henry Morrison Flagler Museum, named for the co-founder of the Standard Oil Company in Cleveland in 1870. UH is grateful to those special friends who generously hosted the growing community of supporters during events throughout the week.

To learn more about Vision 2010, visit UHhospitals.org/LegacyVision2010.



KALI'S CURE GIFT BREATHES LIFE INTO VENTILATOR-DEPENDENT PATIENTS

A gift from Kali's Cure for Paralysis Foundation will advance a life-altering device that allows patients who are ventilator-dependent to breathe on their own. The foundation's \$125,000 gift will help to provide Diaphragm Pacing (DP) technology to patients who would otherwise not have access to it.

Kali's Cure for Paralysis Foundation was founded in 2008 to support a cure for paralysis. After suffering a paralyzing diving accident in 2006, Kali Pung spent time in hospitals and rehabilitation facilities across the country, undergoing a number of different treatments. Friends and family members joined together to help Kali create Kali's Cure for Paralysis Foundation.

"Through this gift, we are supporting Dr. Ray Onders and his team in their efforts to develop Diaphragm Pacing and make this extraordinary technology available to more patients through clinical trials," Kali said. "Kali's Cure for Paralysis Foundation is dedicated to supporting hospitals like UH, as well as rehabilitation centers and spinal cord research initiatives, to better the lives of those living with paralysis and to ultimately be a part of a cure."

Pioneered in Cleveland by renowned UH surgeon Raymond Onders, MD, DP has shown great promise in ventilator-dependent patients with spinal cord injuries and amyotrophic lateral sclerosis (ALS), a debilitating condition also known as Lou Gehrig's disease. Dr. Onders, who is the Director of Minimally Invasive Surgery at UH Case Medical Center and the world's leading authority on DP, developed the technology over the course of 20 years through a

joint research effort of physicians and engineers primarily at UH Case Medical Center, Case Western Reserve University School of Medicine, and Louis Stokes Cleveland Veterans Affairs Medical Center.

DP, commercially known as NeuRx DPS, provides electrical stimulation to muscles and nerves running through the diaphragm, the major muscle involved in breathing. When stimulated by the NeuRx DPS, the diaphragm contracts, allowing patients to breathe more naturally than having air forced into their lungs by a mechanical ventilator. The NeuRx DPS has been cleared by the FDA for use in patients with spinal cord injuries.

To make an appointment with Dr. Onders, visit UHhospitals.org/legacyMIS or call toll free 1-866-UH4-CARE (1-866-844-2273).



Kali Pung and her father Mike Pung pause by a Jaguar which was the prize in a raffle in Ithaca, Michigan. The raffle raised more than \$83,000 for the Kali's Cure for Paralysis Foundation. Kali's brother, Mike, (in blue) is left.



PRENTISS FOUNDATION'S GENEROUS GIVING REACHES NEARLY \$50 MILLION WITH LATEST \$2.25 MILLION GIFT TO THE JOINT REPLACEMENT CENTER AT UH CASE MEDICAL CENTER

The Elisabeth Severance Prentiss Foundation has again demonstrated its extraordinary community commitment and support of University Hospitals with a \$2.25 million gift for an innovative Center of Excellence in Joint Replacement at UH Case Medical Center. In total, the Prentiss Foundation has contributed nearly \$50 million to UH over 60 years, making it the largest independent foundation donor in the hospital's long history.

The Elisabeth Severance Prentiss Foundation was founded in 1939 and began grantmaking in 1944 upon the death of Mrs. Prentiss, a leading supporter of health care in Cleveland and Northeast Ohio. Dating back to the early 1950s, the Prentiss Foundation has supported UH in myriad areas, with gifts for nearly every capital initiative including a \$10 million gift in 2006 for UH's Vision 2010 strategic plan. In recognition of the 2006 donation, UH named the Quentin & Elisabeth Alexander Neonatal Intensive Care Unit at UH Rainbow Babies & Children's Hospital in honor of longtime Prentiss Foundation trustees Quentin and Elisabeth Alexander. The Alexander NICU opened in the spring of 2009 and is among the world's most advanced neonatal intensive care units.

The Prentiss Foundation's recent gift is specifically for the renovation and opening of a new, medically advanced space for the Joint Replacement Center at UH Case Medical Center. Led by Matthew Kraay, MD, Director of Joint Reconstruction and Arthritis Surgery and an internationally recognized orthopaedic surgeon, the center is a leader in world-class patient care for joint replacement surgery, rehabilitation and post-surgical care, deploying the latest technologies, materials and techniques.

The Center of Excellence in Joint Replacement's Patient and Family Education Resource Room and Physical Therapy Treatment Room will be named in honor of the Elisabeth Severance Prentiss Foundation.

"Recognizing the growth of our community's aging population and the increased occurrence of musculoskeletal problems in the elderly, the Elisabeth Severance Prentiss Foundation has made this donation to help support University Hospitals' efforts in advancing the comprehensive treatment and care of orthopaedic-related ailments," said William Robertson, who serves on the Board of Managers of the Prentiss Foundation and the UH Department of Orthopaedics Leadership Council. "The Board of Managers of the Prentiss Foundation is pleased to support University Hospitals over the years and help in its efforts to raise health care to new heights in Northeast Ohio."

To make an appointment with the UH Department of Orthopaedics, visit UHhospitals.org/LegacyOrtho or call toll free 1-866-UH4-CARE (1-866-844-2273).



Matthew Kraay, MD, Director of Joint Reconstruction and Arthritis Surgery



Co-chairs Julie Cristal, Jill Clark and Laurel Conrad



Hosts Leonard and Joan Horvitz (seated) with (from left) Matthew Horvitz, Erica and Richard Horvitz, Danielle Horvitz Weiner and Michael Weiner

RIDE THE RAINBOW GALA RAISES MORE THAN \$850,000

A sold-out crowd of more than 1,000 supporters attended the fourth biennial Ride the Rainbow Gala on Saturday, April 17, at the Renaissance Cleveland Hotel. Welcoming spring with the theme "Here Comes the Sun," this year's gala raised more than \$850,000 for UH Rainbow Babies & Children's Hospital. Attendees arrived in their best and brightest attire to celebrate the internationally recognized children's hospital, which cares for more than 500,000 pediatric patients each year.

The evening featured musical performances by The Nerve, a multi-talented group of UH physicians and employees including Warren Selman, MD, Co-Director of the UH Neurological Institute. Following an elegant dinner and fast-paced auction, guests pushed their chairs back and danced to Beatles tribute band The Return.

"The swell of community support is completely reflective of how cherished UH Rainbow Babies & Children's Hospital is in Northeast Ohio and beyond," said Julie Cristal, co-chair of the gala. "This is the fourth sold-out Ride the Rainbow Gala that I have been honored to help plan, and I never cease to be amazed by the loyal and talented committee members dedicated to making this event one of the year's best."

The biennial gala, first held in November 2004, is supported by the Board of Trustees of the Rainbow Babies & Children's Foundation. Founded in 1887 by nine young society women with a mission to help poor Cleveland children, today the Rainbow

Babies & Children's Foundation remains a collaboration of committed civic-minded women who advocate for and support the nationally acclaimed UH Rainbow Babies & Children's Hospital.

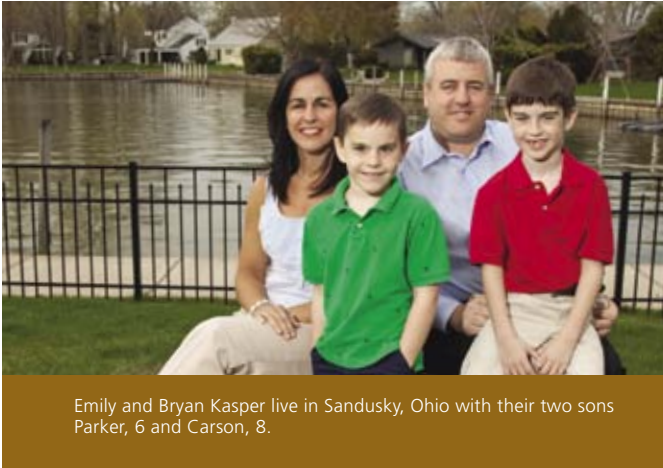
This year's Ride the Rainbow Gala Presenting Sponsor was PNC Bank. Other lead sponsors included Consolidated Graphics Group Inc., Forest City Enterprises, Gilbane Building Company, and Karen Skunta & Company. UH extends a special thanks to Honorary Chairs Leonard and Joan Horvitz and Richard and Erica Horvitz and their families. Jill Clark, Laurel Conrad and Julie Cristal served as the 2010 Gala Co-Chairs and are also Rainbow Babies & Children's Foundation Trustees.

To learn more about ways to support UH Rainbow Babies & Children's Hospital, call 216-983-2200 or visit UHgiving.org/LegacyRainbow.



KASPER FAMILY SHOWS GRATITUDE WITH SUPPORT OF UH RAINBOW

Eight years ago, expectant parents Bryan and Emily Kasper had to choose the best children's hospital for their first son, Carson, who was diagnosed with a serious birth defect in utero.



Emily and Bryan Kasper live in Sandusky, Ohio with their two sons Parker, 6 and Carson, 8.

An ultrasound at five months revealed an omphalocele – a defect in Carson's abdominal wall – that would require numerous surgeries once he was born. After extensive research and meeting surgeons at different hospitals, the Kaspers realized UH Rainbow Babies & Children's Hospital would provide the expert care they and their son needed.

Carson was delivered at UH MacDonald Women's Hospital and rushed to the Neonatal Intensive Care Unit (NICU) at UH Rainbow Babies & Children's Hospital. The Rainbow NICU became a second home for the Kaspers, who kept an around-the-clock vigil during their son's nine-week stay. The nurses and doctors went out of their way to support the Kaspers and prepare them for each step of Carson's medical care. Dedicated to creating a homelike environment, the nurses during Easter used flour to create a rabbit paw print trail through the hall and to the elevator.

"We never dreamed we would have such a good experience," said Mrs. Kasper. "We are very grateful for the amazing care our whole family received and thought it would be nice to honor the nurses, doctors and staff at Rainbow."

The Kaspers, members of the UH Diamond Legacy Society, have remained strong and continuous supporters of Rainbow. Recently, Rainbow received five new laptop computers for patients and families thanks to the Kaspers' gifts.

"When Carson was born, Rainbow was such a modern hospital, and the newly remodeled Quentin & Elisabeth Alexander NICU has taken Rainbow to that next level. We want our gift to help Rainbow continue to advance for years to come," said Mr. Kasper, general manager of Kasper Auto Group.

At University Hospitals, the Diamond Legacy Society recognizes and celebrates individuals who make an estate or other planned gift in support of our mission. For more information on the Diamond Legacy Society, call 216-983-2200 or visit UHgiving.org.



LEGACY MAGAZINE NAMED BEST IN OHIO

Legacy magazine, the flagship publication of the Institutional Relations and Development Department of University Hospitals, has been recognized for editorial excellence. The Fall 2009 issue was named best institutional magazine in the state of Ohio by the Ohio Professional Writers (OPW) Association. The award was presented at the OPW May annual meeting.

To view current or archived issues of Legacy magazine online, visit: UHhospitals.org/Legacy.

reflections

The Healing Power of Music



Fred Rothstein, MD
President, University Hospitals Case Medical Center



Deforia Lane, PhD, Director of Music Therapy

Throughout our nearly 150-year history, a highly personalized, holistic approach to patient care at University Hospitals has been our core strength. A program at the UH Ireland Cancer Center at University Hospitals Case Medical Center exemplifies the power and efficacy of the patient-centered care for which we are known: our music therapy program.

Since its inception in 1984, the music therapy program at UH Ireland Cancer Center has been led by Deforia Lane, PhD, Director of Music Therapy. Under her watch, the program has grown to become a model for institutions across the country.

While they primarily serve UH Ireland Cancer Center, Deforia and her team support virtually every area of our academic medical center, bringing care and compassion to a diverse population of patients. They include stroke victims, the mentally disabled, abused children, geriatric clients, adult and pediatric cancer patients and the terminally ill.

Music therapy can effectively be used to reduce anxiety, depression, stress and pain during the cancer care experience. We use music therapy to alleviate anxiety and fear in patients undergoing difficult procedures such as bone marrow aspirations, biopsies, painful dressing changes and injections. We have learned that, when used with anti-nausea drugs

for patients receiving high-dose chemotherapy, music therapy helps to reduce nausea and vomiting. Perhaps of even greater note, neurologic music therapy techniques help oncology patients increase muscle tone, strength and endurance, organize motor planning to improve gait, and increase mobility.

Our music therapy team continually strives to enrich the music therapy experience for our oncology patients by employing the latest music therapy techniques to address patients' physical, psychosocial and spiritual goals. In complement, they select music that reflects and embraces the cultural and ethnic backgrounds of each patient.

We are not alone in recognizing the work Deforia and her team perform every day to expedite and enhance the healing process for our cancer patients. Our therapy team has been featured in both local and national media outlets including Reader's Digest and Coping Magazine as well as National Public Radio, CNN, CBS This Morning, Wall Street Journal TV and ABC World News. Most recently, Deforia Lane was interviewed on NBC Nightly News with Brian Williams. DeForia was also recognized by the Ohio Hospital Association with its 2009 Health Care Worker of the Year Award.

The countless individuals whose lives have been touched by music therapy at UH are the most rewarding tribute to the program. "You feel like you have a friend with her, and that's something you don't expect at a hospital," said one patient, while another reported that DeForia "brightens my hopes and gives me something to continually fight for every day."

It is my privilege to further acknowledge the profound impact of our music therapy team. Deforia and her colleagues are making the difference everyday in the lives of our patients. This special role they play helps to fulfill our mission: To Heal. To Teach. To Discover. **UH**

We're open.

The new **UH Medina Health Center is open** at 4001 Carrick Drive, Medina, Ohio 44256 and offers these services:

- Adult and Rainbow Urgent Care • Laboratory Services • Radiology/Diagnostic Imaging • Internal Medicine • Family Medicine
- General Surgery • Adult Allergy and Immunology • UH Harrington-McLaughlin Heart & Vascular Institute Services • Corporate Health • Pediatric Medicine • Child and Adolescent Psychology • Various Rainbow Specialty Offices • *For more information or to make an appointment call 1-866-UH4-CARE (1-866-844-2273).*

