



Clinical Update

March 2005

## Orthopedic Surgery at University Hospital

It's in a league of its own, thanks to its illustrious history, academic mission and top-tier research funding. Orthopedic surgery patients also give high marks for their post-op care and rehabilitation at University Hospital.

Page A2

## Pediatric AIDS Center is Center of Excellence

University Hospital's Designated AIDS Center has been serving 17 counties for 14 years. Now a \$1.2 million grant from the NYS Department of Health will underwrite an expanded staff and services.

Page A4

## "Vertical Expansion" at University Hospital

The most dramatic construction project in University Hospital's 40-year history will be crowned by the CNY Children's Hospital, but additional floors will be tailored to the needs of cardiology, neurology and oncology patients.

Page A6



**Orthopedic Surgery at University Hospital:**

# In a League of Its Own



**I**ts distinguished history, robust research program – and “academic difference” – place the Department of Orthopedic surgery at Upstate Medical University and University Hospital in a league of their own in Central New York.

Upstate’s 18 orthopedic surgeons offer a complete spectrum of services. They also represent the region’s only fellowship-trained subspecialists in hand and foot surgery, orthopedic oncology and pediatric orthopedics.

**Highest Volume**

The number of orthopedic surgery procedures performed at University Hospital increased by more than 25 percent between 1999 and 2002. Upstate’s orthopedic surgeons perform the highest volume of procedures overall, as well as the highest numbers of orthopedic trauma surgeries, in the 17-county Central New York region.

A recent surge in joint replacement, which is often elective, reflects a national trend. As Baby Boomers age, they demand an unprecedented level of mobility and often turn locally to Upstate’s orthopedic surgeons, who receive stellar patient satisfaction scores as ranked by the national firm, Press Ganey and Associates.

**Clinical-Research Synergy In Orthopedic Surgery.** Upstate’s clinicians and researchers have a high degree of synergy, due to their shared research projects and world-class research facilities in the Institute for Human Performance (IHP). Gathered on the IHP steps are front row from left: Michael Clarke MD, Dwight Webster MD, and Kenneth Mann PhD, director of research; second row: Patrick Scerpella MD, Tina Maxian MD, PhD, and Andrew Palmer MD; third row, Brian Harley MD and Stephen Albanese MD, department chair; fourth row, Amir Fayyazi MD, Timothy Damron MD, John Mosher MD, Thomas Smallman MD and Joseph Spadaro PhD; fifth row, John Cannizzaro MD, Nathaniel Ordway MS and Matthew Allen PhD; and back row: Fred Werner PhD and Amos Race PhD.

## THE ACADEMIC DIFFERENCE



Joint replacement patients, who also receive care from the Department of Physical Medicine and Rehabilitation, rank University Hospital in the top 17 percent of university hospitals nationwide, reflecting their high satisfaction with its rehabilitative as well as surgical outcomes.

**Spine Excellence**

The department has also been designated by the National Spine Network as a Center of Excellence of Spine Care. Only 28 hospitals nationwide have earned this distinction. In New York State, only University Hospital has this title.

**The Research Factor**

With \$38 million in research funding from the National Institutes of Health, Upstate’s Department of Orthopedic Surgery ranks eighth nationally in NIH grants to medical schools.

Many of Upstate’s orthopedic surgeons carve time from their busy schedules to pursue basic and clinical research. In addition, the department has a large staff dedicated to research conducted at Upstate’s Institute for Human Performance. The studies vary widely but relate closely to the department’s clinical challenges, such as loosening of total joint replacements and preventing growth plate damage after radiation for pediatric bone cancer.

**Progressive, but Cautious**

At University Hospital, orthopedic surgery procedures are continually refined and increasingly less invasive. Yet Upstate’s approach – despite its research emphasis – is cautiously progressive, according to department chair Stephen A. Albanese MD.

“When it comes to patient safety, it’s often better to be closer to the pack than to be way out ahead,” says Dr. Albanese. “Our primary concern is for the patient.”

**The Legacy of David G. Murray MD**

The practice of orthopedic surgery at University Hospital was built largely on the shoulders of David G. Murray MD, who chaired the department for 30 years; was a beloved clinician, tireless researcher and inspiring teacher; patented a total knee prosthesis; served as president of the American College of Surgeons; and played a visionary role in the Institute for Human Performance.



**Upstate’s Subspecialists In Orthopedic Surgery**

**Adult Reconstruction/Joint Replacement**

Michael Clarke MD  
Timothy Damron MD  
Dwight Webster MD

**Foot/Ankle**

Patrick Scerpella MD

**Hand/Upper Extremities/Microsurgery**

Brian Harley MD  
Jon Loftus MD  
John Mosher MD  
Andrew Palmer MD

**Oncology**

Timothy Damron MD

**Pediatrics**  
Stephen Albanese MD  
Danielle Katz MD  
Kathryn Palomino MD

**Spine**  
Amir Fayyazi MD  
Bruce Fredrickson MD  
Hansen Yuan MD

**Sports Medicine**  
John Cannizzaro MD  
Tamara Scerpella MD  
Dwight Webster MD

**Trauma**  
Christoph Geel MD  
Tina Maxian MD

Upstate’s Department of Orthopedic Surgery offers 20 highly-competitive residency slots, as well as fellowships in spine and hand surgery.

**THE ACADEMIC DIFFERENCE**



## Pediatric AIDS center receives \$1.2 million grant

**T**he Pediatric Designated AIDS Center at University Hospital has received a five-year, \$1.2 million grant to expand services, add staff and provide care to a greater number of children living with HIV.

In addition, the AIDS center has been designated a "Center of Excellence in Pediatric and Adolescent HIV Care" by The AIDS Institute of the New York State Department of Health.

"Designation as a Center of Excellence allows us to further extend our services to include developmental-psychological testing, family therapy, nutritional services and child life services," reports Leonard Weiner, MD, medical director for pediatric infectious diseases and for the Center of Excellence in Pediatric and Adolescent HIV Care at University Hospital. "We will also have the capacity to

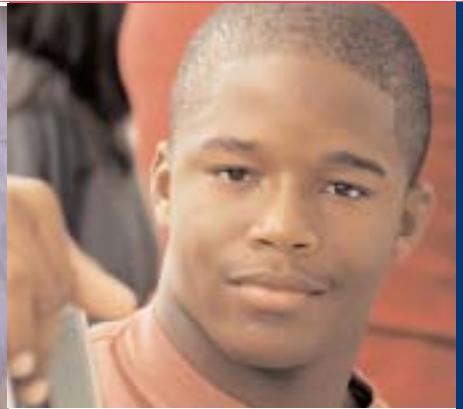
strengthen our links with community resources, leading to the improved use of programs to meet the daily needs of our families."

The center's staff currently includes, in addition to Dr. Weiner, three nurse practitioners, a social worker and three HIV physician specialists.

"The grant will also support the creation of a satellite clinic in Binghamton, giving our patients in that area more convenient and accessible health care," according to nurse practitioner Kathie Contello, "Our regular presence in the community will improve our communication with local obstetrical care and other HIV care providers and improve coordination of care for exposed infants."

The grant also provides for a new, expanded facility within University Hospital – a facility that will be more

## THE ACADEMIC DIFFERENCE



University Hospital has served children with HIV and their families in a 17-county area for more than 14 years.



*Leonard Weiner MD, medical director for pediatric infectious diseases and for the Center of Excellence in Pediatric and Adolescent HIV Care at University Hospital*

appropriate for the center's adolescent patients; 24-hour pediatric HIV physician coverage; and clinicians to help young patients transition to adult service.

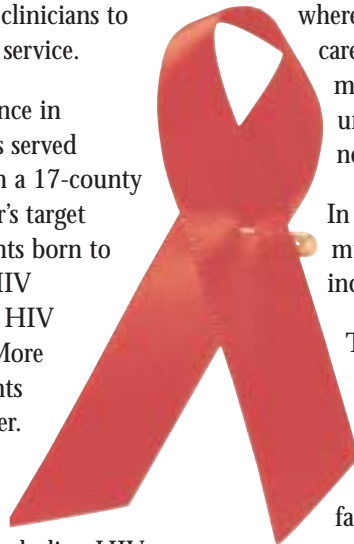
University Hospital's Center of Excellence in Pediatric and Adolescent HIV Care has served children with HIV and their families in a 17-county area for more than 14 years. The center's target populations include HIV-exposed infants born to HIV-positive mothers; children with HIV infection; and adolescents who acquire HIV infection through high-risk behavior. More than 70 infants, children and adolescents receive care each year through the center.

Centers of Excellence in Pediatric HIV Care were established statewide in 2003 to serve HIV-infected children, including HIV-

exposed infants and adolescents in geographic areas where access to youth-oriented specialized HIV health care programs is limited. The centers are designed to meet the complex medical management and unique psychosocial and educational support needs of these children as they grow and develop.

In addition, these centers offer multicultural, multidisciplinary teams of experienced providers, including one or more pediatric HIV specialists.

The centers also provide a continuum of care that includes prompt access to pediatric subspecialists, home health care programs and tertiary care centers with experience in treating children with HIV and continuous support to family members in their caregiver roles.



## THE ACADEMIC DIFFERENCE



# Vertical Expansion at University Hospital

University Hospital's vertical expansion project is one of the most dramatic construction endeavors ever planned in the facility's 40-year history. The term "vertical expansion" refers to the proposed six-story addition to be built above the hospital's existing East Wing. The vertical expansion will feature five patient care floors. One floor will be dedicated to each of the following specialties: cardiology, neurology and oncology. Two floors will be dedicated for pediatric care and serve as the Central New York Children's Hospital. The expansion also includes an interstitial floor to accommodate the heating, electrical and ventilation systems for the new addition. This floor will also be used to coordinate equipment movement and supply distribution.

## Floor-by-Floor Highlights:

### The Seventh Floor—

The seventh floor of the vertical expansion will house heating, ventilation, air cooling and electrical systems, as well as storage for equipment and supplies.

#### Architect

Karlsberger  
Companies,  
Columbus, Ohio  
(karlsberger.com)

#### Timeline

Construction begins  
in summer of 2005;  
opening is planned  
for December 2007.

### The Eighth Floor— Cardiovascular Services

Features:

- 46 private patient rooms with bath: 19 Med/Surg, 10 CPICU, 8 CCU, 9 Step down
- staff locker rooms
- family lounge
- chest X-ray
- ECHO/EKG room
- pharmacy office & work space
- capability for negative pressure & SARS isolation
- ability to perform dialysis in all patient rooms
- decentralized caregiver stations
- caregiver break room
- respiratory work room
- education/conference rooms

### The Ninth Floor— Neuroscience Services

Features:

- 46 private patient rooms with bath: 17 Med/Surg rooms, 11 ICU, 5 Epilepsy, 11 Step down, 2 migraine headache rooms
- staff lockers
- family lounge
- neuroscience treatment room
- physical therapy gym with patient ceiling lift
- pharmacy work space
- capability for negative pressure & SARS isolation
- ability to perform dialysis in all patient rooms
- decentralized caregiver stations
- caregiver break room
- respiratory work room
- education/conference rooms

## THE ACADEMIC DIFFERENCE



**At left:** The vertical expansion rises above the current East Wing of University Hospital which houses the emergency rooms and operating suites. View is taken from the north with Adams St. running along the bottom and the main hospital to the right. The structure far left is the tree house entrance to the Children's Hospital floors.

### For more information

on all campus construction projects, log on to [www.upstate.edu/construction/current.shtml](http://www.upstate.edu/construction/current.shtml)



### The Tenth Floor— Oncology Services

Features:

- 46 private patient rooms with bath: 42 Med/Surg, 4 Bone Marrow Transplant
- staff lockers
- family lounge
- pharmacy office with ability for mixing chemotherapy
- capability for negative pressure & SARS isolation
- apheresis services
- dedicated bone marrow transplant rooms, some with anterooms
- decentralized caregiver stations
- caregiver break room
- respiratory work room
- education/conference rooms

### The Eleventh Floor\*— Pediatrics

Features:

- 35 private patient rooms with bath: 23 Med/Surg, 12 Hematology/Oncology
- staff lockers
- family lounge
- play rooms
- school room
- family resource center
- physical therapy room with patient ceiling lift
- pharmacy work space
- exhibit space
- decentralized caregiver stations
- respiratory work room
- chapel, meditation space
- performance area
- education/conference rooms
- café

### The Twelfth Floor\*— Pediatrics

Features:

- 26 private patient rooms: 15 intensive care, including 2 burn-capable & 11 Med/Surg
- 10 observation rooms
- family resource room
- family sleep & shower area
- family dining center
- parent laundry facility
- decentralized caregiver stations
- exhibit space
- respiratory work room
- education/conference rooms
- satellite pharmacy
- gift shop
- solarium

\* All patient rooms on the 11th and 12th floors negative pressure, SARS isolation and dialysis capabilities.

# THE ACADEMIC DIFFERENCE