



Drs. Gray, left, and Dowling perform the world's first implant of an AbioCor Implantable Replacement Heart at Jewish Hospital, July 2. Inset: Thoracic device.

Jewish Hospital/UofL clinical team implant world's first AbioCor Replacement Heart

A Jewish Hospital clinical team led by University of Louisville surgeons Laman A. Gray, Jr., M.D., and Robert D. Dowling, M.D., successfully implanted ABIOMED, Inc.'s AbioCor replacement heart in a mid-to-late 50-year-old patient, July 2.

The seven-hour surgery, performed with a team of 14 nurses, perfusionists, physician assistants, anesthesiologists and other support staff, was the first of its kind in the world.

The experimental procedure is the result of 20-plus years of product research and development by Danvers, Mass.-based ABIOMED, Inc., and a three-year partnership with the UofL and Jewish Hospital, where preclinical in-vivo device research was performed.

The Louisville-based research accomplished two major goals in the completion of the preclinical stage of the project. First, three years of successful preclinical implants of the AbioCor offered sufficient evidence to the Food and Drug Administration that the device was biocompatible and was capable of sustaining life. Second, the surgical team from Jewish Hospital and UofL developed its procedural protocols – ranging from pre-surgical patient care to post-surgery recovery and rehabilitation.

“While we are very pleased so far with this first implant and are hopeful for our patient’s recovery, it is important to remember that this

The experimental procedure is the result of 20-plus years of product research and development

is the first chapter of many volumes that we have still to learn about the use of these devices in humans,” said Dr. Gray, Jewish Hospital/UofL AbioCor research team co-principal investigator and professor of surgery at UofL School of Medicine.

“As with any innovative development, we must master walking before we learn to run.”

David M. Lederman, Ph.D., ABIOMED, Inc., president and chief executive officer, said, “This important and historic event would not have been possible without the vision and support of the National Heart Lung and Blood Institute of the National Institutes of Health and without the Food and Drug Administration’s approval of the initial AbioCor clinical trial.”

As more and more people survive heart attacks, but are left with a damaged heart, the incidence of heart failure is increasing. In fact, heart failure is the only major cardiovascular disease that is rising in incidence and prevalence. The number of deaths in the U.S. from this disease has more than doubled since 1979. In comparison, the death rate from coronary heart disease has dramatically dropped statistically over a similar period.

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Documentation vital for inpatient-outpatient hospital admissions

The quality of care is the same whether the patient is in observation or admitted as an inpatient, according to Health Care Excel, the Medicare Peer Review Organization for Kentucky and Indiana.

Outpatient observation services are classified as acute care services and usually do not exceed one day or 24 hours. Coverage for observation services is limited to no more than 48 hours, Excel reports.

“An inpatient admission ordered solely because a patient is expected to remain in observation overnight would not be considered medically necessary under most criteria,” said Lynn T. Simon, M.D., Jewish Hospital Care Management physician advocate. “Neither is it appropriate to admit a patient to the hospital just because they have no one to care for them at home or because they require nursing home placement.”

Hospital gears up to aggressively recruit registered nurses

The JHHS Board of Trustees recently approved an enhanced compensation program for registered nurses in an effort to assist recruitment efforts.

“I am pleased to report that the new compensation package enables us to aggressively recruit the nurses we need at this time when shortages are prevalent,” stated Douglas E. Shaw, Jewish Hospital president, in a letter to hospital physicians recently. “The program positions us to recruit both new and experienced nurses and at the same time retain nurses on staff.”

Recruiting efforts center on three areas:

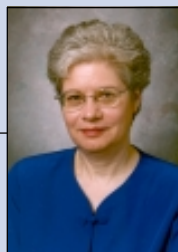
- ▶ Recruiting new nursing graduates
- ▶ Recruiting and retaining experienced nurses
- ▶ Continuing emphasis on recruiting through varied sources

The physician’s decision to admit a patient as an inpatient requires complex medical judgement that can only be made after considering a number of factors, including the patient’s medical history and current medical needs. Physicians know their patients best and a physician’s documentation is critical for explaining why the patient required admission, Excel adds.

Health Care Excel’s non-physician reviewers utilize Interqual’s ISD-AC criteria (as do Jewish Hospital’s care managers) as a screening tool for the assessment of admission medical necessity. All determinations of inappropriate admissions are made by physicians, who rely on medical knowledge, experience and professional judgment rather than written criteria.

“If an outside entity should determine that services were provided in a more intensive

From the Medical Staff President **DR. McCOY**



Martha T. McCoy, M.D.

During the Jewish Hospital Annual Medical Staff Meeting, June 26, I transferred my responsibilities to our new medical staff president – Dave Watkins. During my two-year term, Dave and the rest of our executive committee have been extremely supportive, as have Sheila Toohey and her staff in the Medical Staff office. I thank each of you for allowing me to represent you. It was a great honor.

My term has been sandwiched between our being the site of the nation’s first hand transplant and the world’s first implant of a totally implantable artificial heart. The months in between were filled with one construction project after another, plus numerous strides in the areas of surgery and diagnostics. Quality patient care has always remained high on all of our agendas, and Doug Shaw and the rest of Jewish Hospital’s leadership have been extremely supportive in assisting us in uncovering new ways to improve the care process. I believe we are very fortunate to be connected with a health care facility dedicated to excellence in clinical care, research and education.

As Dave comes on board, I know you will give him the same strong support you have afforded me. We have many of the best people in our profession at Jewish Hospital. I am proud to be associated with each of you, and even prouder to have had the opportunity to represent you.

My sincere thanks, again, to each of you for making the past two years so memorable.

setting than necessary, Medicare monies paid to the hospital are recouped,” explained Dr. Simon. “In addition, physician reimbursement for services

provided during a medically unnecessary stay may not be recovered. It is therefore vital that your documentation be complete and legible.”

Ellis Group moves to Jewish Hospital campus

The Ellis Group, orthopedic specialists, moved to the Jewish Hospital Medical Office Building in June. The practice layout includes the Rudy Ellis Sports Medicine Center (first floor), clinical (sixth floor) and research/business office (eighth floor).

Physicians within the practice include Walter E. Badehausen, Jr., M.D., R. John Ellis, Jr., M.D., Gregory E. Gleis, M.D., Mark E. Petrik, M.D., Lawrence Allen Schaper, M.D. and Mark G. Smith, M.D.

Executive Committee

David R. Watkins, M.D., President – Medical Staff

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Corey M. Cohen, M.D.

Chair, Department of Emergency Medicine

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Alexis G. Karageorge, M.D., Member-at-Large

CAMPUS UPDATE



The Eye on Patients is designed to help Jewish Hospital Administration, hospital staff and physicians work more closely together to ensure our patients receive the highest quality health care. This ongoing program is

helping the hospital achieve even greater patient care.

Members of administration visited Central Supply and Distribution during their April 2 visit.

Following their assessment, the group met with all department heads to share the results of their visit. Department leaders then began developing action plans to address the issues that surfaced during the visit.

Eye on Patients visited 7/8 Heart and Lung June 25-30. Results are forthcoming.



New Hand Care Center gets director

Jewish Hospital HealthCare Services named Barbara Smeland as director of Jewish

Hospital's new hand care center. The center is schedule to open in August.

Smeland is a registered nurse with a bachelors degree in nursing from the University of Nevada and a masters degree in nursing from Kent State University. She has more than 15 years of operating room management experience with a focus on hands and orthopaedics.

Banis, Derr change addresses

Joseph C. Banis, Jr., M.D., and John W. Derr, Jr., M.D. opened single practices at new locations recently. Their new addresses are:

Joseph C. Banis, Jr., M.D.

234 East Gray Street, Suite 768
Louisville, KY 40202
589-8000 Fax 589-8001

John W. Derr, Jr., M.D.

Jewish Hospital Medical Plaza
100 East Liberty Street, Suite 201
Louisville, KY 40202
589-6000 Fax 589-6006

Diabetes program extended education recognition by ADA

The American Diabetes Association recently extended education recognition to the Jewish Hospital Diabetes Management Program. The ADA Education Recognition Program is a voluntary process based on the

National Standards for Diabetes Self-Management Education.

Jewish Hospital's program provides a complete diabetes education based on the needs of the patient and recommendations of the patient's primary care physician. For more information, call 339-8011.

Family practice residents arrive

The University of Louisville Department of Family and Community Medicine is welcoming new and returning family practice residents at Jewish Hospital. Residents include:

- ▶ Tonda Anderson, UofL
- ▶ Elizabeth Cliburn, University of Health Sciences COM, Kansas City
- ▶ Mark Hamilton, UofL
- ▶ Kim Hardin, UofL
- ▶ Lisa Kellum, Indiana University
- ▶ Sarah Lainhart, UofL
- ▶ Erica Williams, UofL
- ▶ Jerrad Zimmerman, University of Wisconsin

Medical Center East seeks technology partners

Jewish Hospital is currently developing a next-generation health care center — Jewish Hospital Medical Center East — scheduled to open in Summer 2002. Jewish Hospital is seeking partners who are developing state-of-the-art equipment and technology to further enhance the facility.

For more information about the new facility or to submit technology for consideration, visit Jewish Hospital's web site at www.jewishhospital.org.

Active

Jose S. Bada, Jr., M.D.	Family Practice
Gary A. Corby, M.D.	Phys Med & Rehab
Richard S. Cornell, M.D.	Nephrology
Theresa M. Corrigan, M.D.	Diagnostic Rad/Nuclear Med
Peter Dedina, M.D.	Internal Medicine
Beverly Dilworth, M.D.	Internal Medicine
Ted A. Farrar, M.D.	Family Medicine
Julian G. Gabbard, M.D.	Internal Medicine
Abhijit Halder, M.D.	Anesthesiology
Akif M. Hasan, M.D.	Neurology
Todd M. Hobbs, M.D.	Family Medicine
J. Mark Jackson, M.D.	Dermatology
Leon H. Kircik, M.D.	Dermatology
Alfred L. Knable, Jr., M.D.	Dermatology
Mark A. Lawton, M.D.	Cardiology
Kenneth A. Mook, M.D., Ph.D.	Phys Med & Rehab
Sally E. Perlman, M.D.	Gynecology
Debra L. Perry, M.D.	Emergency Medicine
Jessica D. Robbins, M.D.	Family Practice
Robert P. Scharff, M.D.	Internal Medicine/Pediatrics
James E. Segal, M.D.	Gynecology
Cecil Stokes, M.D.	Anesthesiology
Kenneth A. Thielmeier, M.D.	Anesthesiology
Stacy R. Trinkle, M.D.	Family Practice
Darrin J. Violi, D.M.D.	Oral/Maxillofacial Surgery
Jennifer L. Walden-Fain, M.D.	Internal Medicine

Consulting

Arthur H. Althaus, M.D.	Allergy/Immunology
Linda H. Gleis, M.D.	Phys Med & Rehab
Darin A. Harden, M.D.	Neurology
Suzanne T. Ildstad, M.D.	General Surgery/Research
Stephen S. Kirzinger, M.D.	Neurology
James E. McKiernan, M.D.	Ped Neurology
Gregory L. Pittman, M.D.	Neurology
Fred P. Seifer, M.D.	Neurology
Greg N. Smith, M.D.	Neurology

Courtesy

Joseph T. Bilotta, M.D.	Gynecology
Michael G. Carroll, M.D.	Hematology/Oncology
Sylvia A. Cole, M.D.	Internal Medicine
Dean S. Collins, M.D.	Pain Management
Joseph J. Creely, III, M.D.	Otorhino/Otolaryngology
Jahangir Cyrus, M.D.	Endocrinology
Kim E. Goldman, D.M.D.	Oral/Maxillofacial Surg
Stacie L. Grossfeld, M.D.	Orthopaedic Surgery
Juan J. Guardiola, -Sala	Pulmonary Diseases
Karla D. Guess, M.D.	Anesthesiology
Nuzhat A. Hasan, M.D.	Pulmonary Diseases
Sanjiv Mahajan, M.D.	Internal Medicine
George J. Mikos, M.D.	Card/Thor/Vasc Surgery
Ildiko M. Mikos, M.D.	Plastic/Reconstructive Surgery
Stephanie Mosley, M.D.	Hand/Plastic Surgery
John N. Olsafka, M.D.	General Surgery
Marcello Pietrantoni, M.D.	Gynecology
Ralph M. Scott, M.D.	Radiation Therapy

Honorary

Peter C. Campbell, Jr., M.D.	Ophthalmology
E. Dean Canan, M.D.	General Surgery
Charles F. Mahl, M.D.	Ophthalmology
William J. Oliver, M.D.	General Surgery



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Best returns from Four Courts as Jewish Hospital vice president



Pamela Hardin Best, former executive director of Four Courts Senior Center for 10 years, has returned to the Jewish Hospital medical campus as vice president with responsibility for

biomedical, building services, switchboard, conference center, guest services, environmental, engineering, food and nutrition, patient transport, security and valet, The Trager Pavilion and volunteers.

Symposium proceedings published

The proceedings of the Second International Symposium on Composite Tissue Allotransplantation, May 18-19, 2000 at Jewish Hospital, were published in *Microsurgery*, the official journal of the International Microsurgical Society and the European Federation of Societies for Microsurgery, Volume 20, Number 8, 2000.

Stratton appointed as vice president



Jewish Hospital recently welcomed Martha Stratton to the position of Vice President, Surgical Services/ Outpatient Care Center and the Plastics and Aesthetic Surgery Center. She has come to Louisville from Savannah,

Georgia, where she was director of surgical services for St. Joseph's/Candler Health System. Stratton holds a bachelor's degree in nursing, *magna cum laude*, from West Texas State University and masters degrees in nursing and health services administration from Armstrong Atlantic State University in Savannah.

Library renovation complete

Renovation of the Jewish Hospital Library is complete, which now incorporates the International Hand Library. The library has increased space, additional computers and better Internet access.



Linda Semonis, physician assistant, prepares the AbioCor Implantable Replacement Heart and components for implant.

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—Dr. Dowling, Jewish Hospital/ UofL AbioCor research team co-principal investigator and an associate professor of surgery at UofL School of Medicine said, “Once heart failure patients have reached maximum

medical management of heart failure, their only potential option until now was a heart transplant. Only about 2,000 heart transplants are performed each year. There is a vastly larger number of potential patients who could benefit.” He said there are up to 100,000 potential recipients for a replacement heart once the technology is clinically demonstrated.

The initial patients eligible to receive an AbioCor device are those who are not eligible for heart transplant and who are determined to have less than a 30-day life expectancy. In short, Dr. Gray explains, “These patients are the

sickest of the sick. They will die in a very short time without some kind of intervention. These patients and their families understand the risks of the surgery, and the risks of no further intervention.”

In fact, the medical team views the first patient as a medical pioneer, and credits the patient's family for their support. While the critically ill patient and family did receive an intense education about the device and the risks of its implantation, “it takes a great deal of courage to agree to take a step that no one else has ever taken,” Dr. Gray continued.

Jewish Hospital is among the top 10 cardiac centers in the United States and, along with the UofL, is dedicated to excellence in clinical, research and education. UofL surgeons at Jewish Hospital have performed many heart care “firsts,” including Kentucky's first heart transplant, the world's first heart transplant following the use of a Thoratec bi-ventricular assist device, the world's first endoscopic saphenous vein harvest and the first ventricular remodeling in the region.

Visit www.heartpioneers.com or www.jewishhospital.org to view related material on the procedure.