

The **Future** of Medicine at **Lahey Clinic**

V o l u m e 2

David M. Barrett, MD

Chief Executive Officer

Dr. Barrett and Clinic leaders launched Lahey's "Future of Medicine Initiative" in the fall of 1999 to raise capital for a major addition of new clinical space in the Burlington facility and to invest in technology to enhance patient care.



Lahey Clinic has made tremendous progress in its efforts to raise financial support for the *Future of Medicine Initiative*. We are at the \$45 million mark toward our goal of \$135 million. The Clinic is pleased with this progress and appreciates the support of our many benefactors. In 2001, Lahey Clinic received many gifts designated for the *Future of Medicine Initiative*, including a number of bequests that came unrestricted to the Clinic. Bequests and trusts provided over \$637,000.00* that can be directed toward the renovation and technology improvements envisioned by the *Initiative*. We are moving forward with the architectural firm of Shepley, Bulfinch, Richardson & Abbott on the creation of a new facility in Burlington and we have begun implementing some of our early plans with progress to report in the following areas:

Surgery

We have begun acquiring key imaging and information systems to support the creation of a center for minimal access surgery that we believe will be a model for the world. We are currently building the center's teaching lab, and later this year we will begin to equip the first of our operating rooms with this new technology. This program will place Lahey on the leading edge of surgical centers nationwide.

Imaging

Under the leadership of Anna Chacko, MD, diagnostic radiology is quickly being transformed into a leading imaging center. Lahey recently added state-of-the-art mammography equipment that provides sharper images with lower doses of radiation. These images will be stored digitally and moved easily throughout the

Lahey system. In addition, we will be adding new CT and MRI scanners to provide our patients with the latest diagnostic equipment and to reduce waiting times in this department.

For more on imaging technology, see inside page.

Cardiovascular Care

We see the *Future of Medicine Initiative* having an early and pronounced impact in the Department of Cardiovascular Medicine. Richard Nesto, MD, chair of Cardiovascular Medicine, and his team have strengthened cardiac testing by acquiring new state-of-the-art echo equipment, designed plans for two new cardiac catheterization labs, and created a blueprint for the creation of a leading center for cardiovascular medicine at Lahey Clinic.



As the *Future of Medicine Initiative* unfolds, Clinic space for the neurosciences will expand on the seventh floor to provide more space for patient exams, neuro-motor testing, the Sleep Lab, research activities and other resources to treat the full range of disorders of the brain and nervous system.

*As of 12/01/01

An Imaging Department Without Walls



*Anna K. Chacko, MD, Col. Ret. U.S.A.
chair, Department of Radiology*

At Lahey Clinic we once had a department called X-ray, and later Radiology. Technology now demands that the department be called Diagnostic Imaging to describe its functions most accurately.

Colonel Anna K. Chacko, MD, was recently wooed away from an illustrious career in the United States Army to become the new head of imaging at Lahey. While in the military she took imaging to the forefront of technology and instituted totally digital environments at several medical centers.

Lahey has embarked on a multi-million-dollar process to assure the Clinic of its position as a world-renowned specialty leader in imaging. A perfect blending of staff, space, service and technology will be the result. Dr. Chacko recently wrote, "Special expertise will provide the best information for the condition being investigated. Every customer, either patient or referring clinician, will be assured of superlative and efficient performance on state-of-the-art equipment in surroundings that meet the highest standards of comfort. Every patient will be able to rely on total professionalism and compassion.

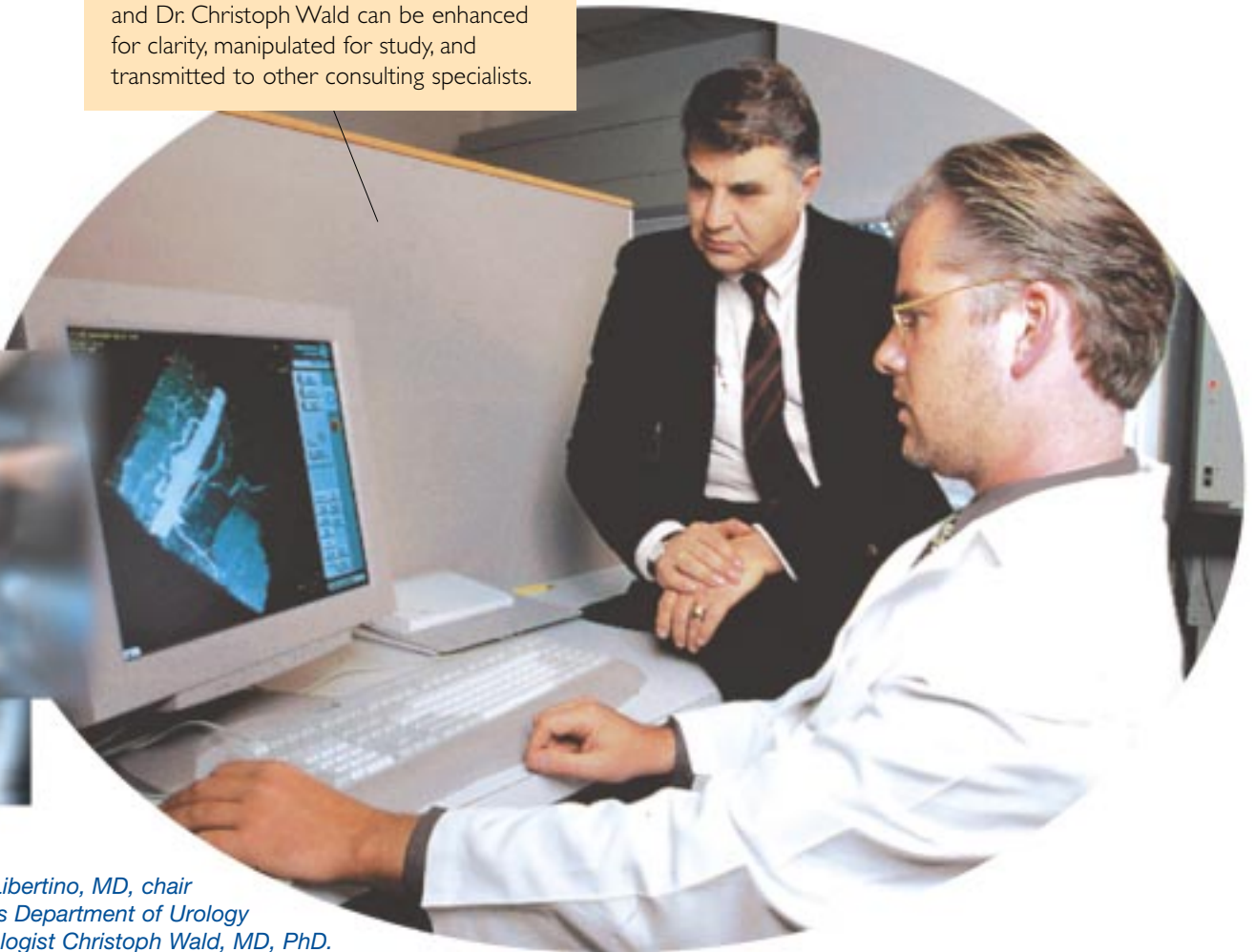
Traditional film is an excellent tool, but a static one; it requires doctors to leave their patients to view, analyze, and discuss images.



*Patricia L. Roberts, MD, Colon and Rectal Surgery,
and Francis J. Scholz, MD, Diagnostic Radiology.*

Part of the Lahey tradition of which we are proud is the education of future doctors. Our students will be able to boast the finest training possible in every modality, and imaging-radiologists trained at Lahey Clinic will be greatly sought after for exposure to pathology and a finely honed ability to diagnose and prognosticate disease. Additionally, Lahey will provide greatest emphasis on health maintenance and screening using cutting-edge diagnostic imaging techniques. When we have completed our revamping, we will be an imaging department without walls, providing superb imaging services and reports very soon after."

The new 3D High Definition digital image being studied by Dr. John Libertino and Dr. Christoph Wald can be enhanced for clarity, manipulated for study, and transmitted to other consulting specialists.



John A. Libertino, MD, chair of Lahey's Department of Urology and radiologist Christoph Wald, MD, PhD.

Dr. Chacko emphasizes that these efforts will require vision, resolve, and significant commitment to new technology:

- Faster and more facile CT scanners for conventional work as well as cardiac and lung cancer screening
- Ultrasound with 3-D and tissue harmonics capability
- Digital capture of conventional radiography devices
- Digital mammography with computer aided diagnosis capability
- High and low field strength magnetic resonance scanners with metabolic and functional capability
- Angiography and interventional equipment that allow rapid access and swift, accurate intervention
- Nuclear medicine and positron emission tomography equipment that will facilitate effective metabolic screening and diagnosis
- A “filmless” environment with electronic image and report transmission and storage capability
- Facilities modification to accommodate and house the changes outlined above.

“We have embarked on this paradigm with great brio and panache and intend to make this the underpinning for all our future ventures.”

Philanthropist of the Year



Robert E. Wise, MD, congratulates Marge Congleton

At the annual *Appreciation Night Dinner*, a gala event held at the Renaissance Bedford Hotel, David M. Barrett, MD, chief executive officer at Lahey Clinic, had the following to say to the more than 200 guests.

“Tonight we honor a family who have spent most of their lives in the Lahey family. It is my great pleasure to introduce Marge Congleton, who is here tonight with her daughter, Gretchen Woodruff. Mrs. Congleton is a Lahey loyalist, a volunteer and a generous donor. With Marge’s support, her late husband Bill was an active and outstanding trustee of Lahey Clinic for 16 years. He was also an effective committee leader helping assure that the Diamond Anniversary Campaign, Lahey’s previous fund raising program, met its goal of \$60 million. For more than 20 years the Congletons have been supporters of Lahey, most recently as very generous donors to the current *Future of Medicine Initiative*.

It is with appreciation for their talents, gratitude for their generous gifts, and true thanks for a fine legacy of long-standing Lahey Clinic support that we recognize Marge and Bill Congleton as our Philanthropists of the Year for 2001.

The Clinic recently presented Bill and Marge with a fine, chiming, Chelsea ship’s clock, a symbol of Bill’s steadying hand as one of the crew of trustees. He was respected by his peers for his quiet and effective influence, and was always referred to as smart and gracious—a nice combination.

In the classic Jimmy Stewart movie “It’s a Wonderful Life,” the angel Clarence said, “Every time a bell rings, an angel gets his wings.” Sadly Bill has left us, but every time that clock chimes, Marge, please know that Bill has his Lahey Clinic Wings.”

The Future of Medicine at Lahey Clinic

Advances in Neurosciences

The neurosciences have always been one of Lahey’s great strengths. Now the Clinic’s expertise in diagnostics, medicine and surgery, and research and education will be enhanced by the development of a comprehensive, integrated Neurosciences Center. Consistent with Lahey’s interdisciplinary tradition the departments of Neurology and Neurosurgery are complemented by related talents throughout the Clinic: Orthopaedics, Psychiatry and Behavioral Medicine, Otolaryngology, and Ophthalmology are among the departments that collaborate to diagnose and treat neurological disease.

- Alzheimer’s Clinic
- Balance Center
- Brain Tumor Clinic
- Cranial Base Surgery Center
- Epilepsy Clinic
- Functional Neurosurgery Clinic
- Headache Clinic
- Center for Advanced Neuroimaging
- Interventional Neuro-radiology Center
- Minimally Invasive Neurosurgical Operating Suite
- Nerve Repair and Regeneration
- Neuromuscular Clinic
- Neuro-ophthalmology
- Neuro-otology
- Pain Management Center
- Parkinson’s Disease Program

- Pediatric Neurology
- Peripheral Neuropathy Program
- Psychiatric and Behavioral Neurology
- Research and Education
- Sleep Disorders Center
- Spine Center
- Stroke Service
- Trigeminal Neuralgia
- Vascular Neurosurgery Clinic

Lahey’s rapidly evolving Imaging Center is essential to excellence in the neurosciences. Bi-plane angiography provides high definition three-dimensional images of the blood vessels of the brain, enabling the reduction and reversal of stroke. State-of-the-art MRI and CT provide clear and detailed pictures of causes of stroke and the effectiveness of treatments for Parkinson’s disease.

The Clinic’s new Minimal Access Surgery Center makes cranial surgery faster, safer and much more effective. The size and depth of the neuroscience practice at Lahey gives doctors and patients access to the most advanced technology and drugs.

Complete information about programs, construction and technology plans, and giving and naming opportunities is available from the Office of Philanthropy.

Please call 781-744-3333

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