



## Vision Correction and Cosmetic Surgery

*Trusting your care to the world-renowned surgeons of the Massachusetts Eye and Ear Infirmiry*



The best care, in a safe and comfortable environment.

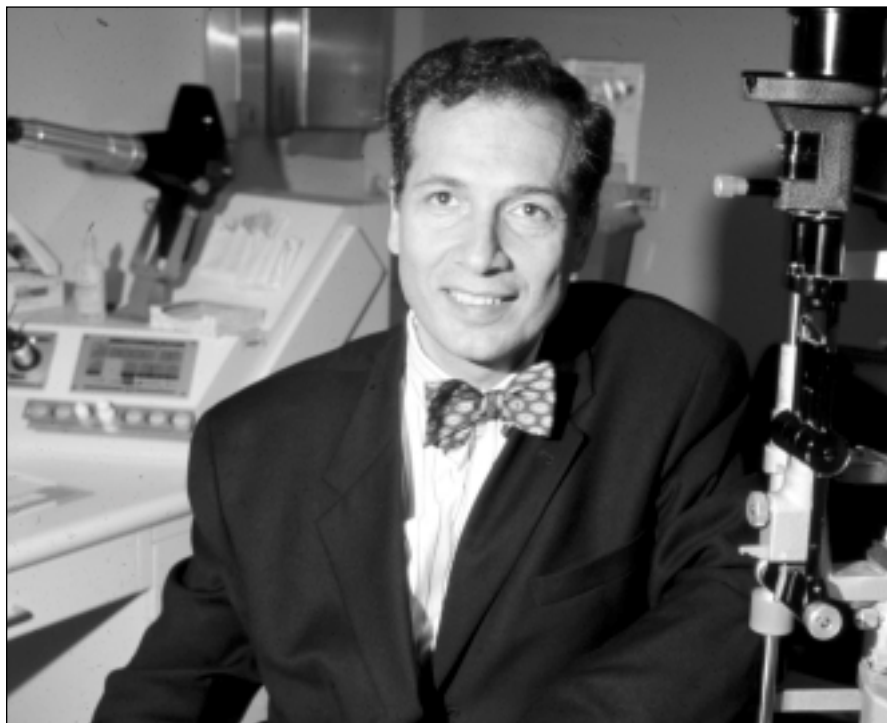
FOR MORE THAN A CENTURY, PATIENTS HAVE COME from around the world to the highly-specialized Massachusetts Eye and Ear Infirmiry in Boston for the most advanced care in ophthalmology and otolaryngology. Now those considering cosmetic surgery or vision correction surgery are turning to the Facial and Cosmetic Surgery Center and the Laser Vision Correction Center at the Infirmiry for the best care in the safety of this leading teaching hospital.

A principal teaching hospital for Harvard Medical School and one of the highest-ranked specialty hospitals in the United States, the Infirmiry has been at the forefront of advances in the areas of facial recon-

struction and plastic surgery for more than 75 years and in the newer field of vision correction refractive surgery since its inception 30 years ago.

In this issue we introduce you to the Infirmiry's Facial and Cosmetic Surgery Center and Laser Vision Correction Center and the two exceptional doctors who direct them, Dr. Mack Cheney, the director of Facial Plastic and Reconstructive Surgery, and Dr. Dimitri Azar, director of Corneal, External Disease, and Refractive Surgery Services. Both are world renowned in their fields and are international leaders in the development of new techniques and procedures.





Dr. Dimitri Azar

## Laser Vision Correction MEEI Offers Experience, Latest Techniques

### Laser Vision Correction Services

Laser Assisted In-Situ  
Keratomileusis (LASIK)

Photorefractive Keratectomy  
(PRK)

Intracorneal Ring Surgery  
(ICRS)

Radial and Astigmatic  
Keratotomy (RK and AK)

Laser Thermal Keratoplasty  
(LTK)

Laser Epithelial Keratomileusis  
(LASEK)

Custom Cornea Treatments  
(With LASIK and LASEK)

Want to be free of glasses or contact lenses? Can you remember being able to see your alarm clock without pulling it to your nose? Imagine skipping the ritual of cleaning and inserting your contacts. Imagine playing tennis, swimming, or jogging, free from the interference of glasses or contacts. Thousands of Massachusetts Eye and Ear Infirmary patients are doing that now, thanks to laser vision correction surgery at the Infirmary's Laser Vision Correction Center, part of the oldest and most highly regarded corneal service in the United States. Our doctors perform more than 1500 laser procedures annually to correct farsightedness, nearsightedness, and astigmatism.

Surgeons in the Center have been at the forefront of developments in vision correction refractive surgery and have participated in many of the FDA-sponsored clinical trials of excimer laser surgery. Dr. Dimitri Azar, director of the Center, uses three of the most sophisticated lasers to custom-treat his patients. He lectures all over the world on the advances made in refractive surgery at the Infirmary and is the co-editor of several books on refractive surgery including the new book *LASIK: Fundamentals, Surgical Techniques, and Complications*.

Infirmary patients first undergo a very thorough evaluation. The surgery is conducted with the assistance of highly-trained staff in the safety of this top-ranked research and teaching hospital. Most patients resume their normal activities within two days.

The Infirmary offers the most advanced techniques and technology available today. This includes LASIK; PRK; ICRS; LASEK (laser epithelial keratomileusis), the latest generation of laser correction for those whose corneas are too thin or too flat for other procedures; and the Wavefront LASIK treatment for nearsightedness, custom cornea treatments.

### Advanced Surgical Techniques Save Sight

Thanks to the groundbreaking work of Dr. Dimitri Azar of the Massachusetts Eye and Ear Infirmary, professor at Harvard Medical School, doctors can now use these new refractive surgery techniques to attack leading causes of blindness in the world, such as corneal scarring and vascularization.

Dr. Azar's research is focused on ways to reduce corneal rejection sometimes experienced in standard whole corneal transplants. "Rejection of the foreign tissue of a donated cornea occurs in the endothelium or inner layer of the cornea," he explains. "This is a one-cell layer that pumps water from the cornea to keep it dry —the cornea's 'sump pump,' so to speak. One of the most common problems with full-thickness corneal transplantation is rejection of that layer and the patient becomes blind again. They need to take medication for a long period of time to avoid rejection and the healing process takes months. We are looking for ways to avoid whole transplants — and potential rejection — when possible and for ways to do partial transplants that do not involve the endothelium layer.

"More than 400 corneal transplants per year are performed at the Massachusetts Eye and Ear Infirmary," says Dr. Azar, "so we're in a very good position to develop new techniques, improve the success rate, and share our knowledge with physicians around the world. That is our goal."

## Cosmetic Surgery Bringing 75 Years of Experience to Your Care

Doctors at the Massachusetts Eye and Ear Infirmary have been performing plastic surgery for more than 75 years. Led by the innovative and dedicated plastic and reconstructive surgeon Dr. Mack Cheney, the team in the Infirmary's Facial and Cosmetic Surgery Center has been at the forefront of advances in facial reconstruction and plastic surgery for decades.

On the faculty of the Harvard Medical School, Dr. Cheney supervises a staff of six surgeons and additional staff who see thousands of patients each year. In addition to developing some of the most advanced techniques in reconstructive surgery in use today, Dr. Cheney's comprehensive textbook on facial surgery and extensive collection of teaching aids are in wide use in medical schools and hospitals throughout the world.

The Massachusetts Eye and Ear Infirmary brings this wealth of experience and knowledge to its patients in the safety and security of one of the world's top research and teaching hospitals, in the comfort of its beautifully-appointed Facial and Cosmetic Surgery Center.

"This is our specialty," Dr. Cheney points out. "It's all we do, day in and day out, and we do it very well. We have the best equipment and the most highly specialized surgeons, nurses, anesthesiologists, radiologists and support staff. When patients come to the Infirmary for facial cosmetic surgery, they can be assured they will get the very best care, in the safest possible environment."

### Reconstructing Faces, Rebuilding Lives

Massachusetts Eye and Ear surgeon Dr. Mack Cheney brings to his cosmetic plastic surgery practice 20 years of experience reconstructing faces and rebuilding lives. He has restored the smiles of patients with facial paralysis, erased



Dr. Mack Cheney

*"I am still amazed  
at the wonderful gift you have given me.  
Your kindness and talent  
are truly blessed by God."*

A grateful patient

the scars of domestic abuse, and helped hundreds of patients deformed by head and neck cancer reclaim their lives.

"Patients come from all over the world for reconstructive surgery at the Massachusetts Eye and Ear Infirmary because it is one of the best in its field," Dr. Cheney says. "With our advances in treatment today, we can really give people back their lives. In the old days, you could expect to become a professional patient after a diagnosis of head and neck cancer. It was so deforming, both cosmetically and functionally, that it was almost impossible for the patient to lead a normal life."

Dr. Cheney pioneered one of the most important advances in reconstructive surgery at the Infirmary, free tissue transfer microsurgical reconstruction techniques or "free flap." Free flap surgery involves borrowing tissue from a remote site in the patient's body, such as hip bone to rebuild jaw bone removed in cancer surgery or cartilage to rebuild noses or ears.

He is also a leader in the treatment of facial paralysis, a condition that affects speech, dental work, eating, and even breathing.



### Facial Cosmetic Services

- BOTOX® Cosmetic Injections
- Brow Lifts
- Cheek Augmentation
- Chemical Peels
- Chin Reshaping and Implants
- Collagen Injections
- Earlobe Repair
- Eyelid Surgery
- Eye Plastic Surgery
- Facelifts (Full and "Mini")
- Forehead Lifts
- Laser Surgery
- Micro-dermabrasion
- Nasal Surgery
- Scar Revision
- Skin Resurfacing

BOTOX® is a registered trademark of Allergan, Inc.

The Facial and Cosmetic Surgery Center is dedicated to anti-aging and the aesthetic and functional enhancement of the head and neck.

# The Best Medical Care...in a Beautiful City

THE MASSACHUSETTS EYE AND EAR INFIRMARY INTERNATIONAL PATIENT OFFICE stands ready to help you make your stay in Boston and care at the Infirmiry as comfortable and enjoyable as possible. You will receive the highest-quality medical care while visiting one of the world's leading cultural and commercial centers. The Infirmiry is right downtown, convenient to the best hotels, the antique stores and beautiful old mansions of Beacon Hill, the world-class shops of Newbury Street, and Boston's many museums and cultural centers.



EXPLORE INTERNATIONAL FASHION, FINE DINING, AND PEOPLE WATCHING on beautiful Newbury Street. Stroll back in time through the elegant streets of Beacon Hill, the colorful Italian North End, and the historic Freedom Trail. Visit the Museum of Fine Arts, the Children's and Science Museums, and the Gardner Museum, with its air of a 15th century Venetian palace. Enjoy eclectic food halls and street performers at Quincy Market and then relax at your luxury hotel on the waterfront, Beacon Hill, the Back Bay, or in the heart of downtown.



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Consistently ranked  
among the top hospitals  
in the United States by  
*US News & World Report.*

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