



**Eric R. Mandel, MD**  
Medical Director

NEWSLETTER

WINTER 2006

## Developments in Lasik

The Visx Star S4 Laser System has incorporated new cutting edge technologies into its delivery system within the past year. Each is exclusive to the Visx Star S4 System. The laser uses Fourier analysis which is the most advanced corneal modeling system of the human eye. Whereas other laser systems use only a small percentage of the information obtained from the Wavefront analysis of the eye, the Fourier mathematical modeling uses all the information that is obtained. More accurate information can translate into more precise visual results. The alignment obtained by the precise Wavefront fingerprint taken of your eye must be maintained or registered under the laser during treatment. Only the Star S4 system uses the advanced iris registration alignment system. A picture of your iris (the colored portion around the pupil) taken during your Wavefront measurements is exactly matched or registered to the iris picture obtained under the laser. Precise alignment can also translate into more precise results. Fourier mathematical treatments are now available for higher prescriptions in nearsighted and astigmatic patients. One of the least understood but most important developments of the laser system for precision is the matching of the center of the pupil under different lighting conditions. Only the Visx Star S4 system is able to compensate for the changing pupil center with the iris registration alignment system.

## Floaters and Flashes

Have you ever noticed a small amoeba like particle floating in front of your eyes? If you do you are like millions of other Americans who notice floaters. Floaters are condensations within the gel like substance that fills the human eye. As we age, the gel may contract and cause the appearance of a floater sometimes associated with a flash of light. The sudden appearance of floaters, a change in the characteristic of floaters, flashes of light or shadows moving into your visual field MUST be taken seriously. They may be signs of a retinal tear or retinal detachment. Don't panic! Call our office immediately or go to New York Eye and Ear Hospital or Manhattan Eye and Ear Infirmary where you will receive a comprehensive examination including dilation. Most often, there are no dangerous retinal findings, but it is important to establish this by having a comprehensive eye exam with an ophthalmologist.

## Dr. Mandel in the News

Dr. Mandel has been chosen to act as a consultant to the Vision Care Institute of Johnson & Johnson Vision Care, Inc. for the purpose of planning and developing an education program to support Johnson & Johnson's global partnership of the 2008 Beijing Olympics.

For the 4th year in a row, Dr. Mandel has been named in New York Magazine's Best Doctors, The New York Metro Area Best Doctor's, America's Best Doctor's and Best Cosmetic Doctor's by Castle Connolly.

## Monovision

You are 55 years old and you wear both reading and distance glasses or bifocals. You want to be able to see far and near without glasses but you think that laser vision correction cannot fix both problems. Think again. For years, we at Mandel Vision have offered a select group of patients monovision to attain both reading and distance vision. How is this done? Your dominant eye is corrected for distance vision and your non-dominant eye is focused for reading tasks. With patient motivation and our monovision eye exercises, our success rate for happy monovision patients is very high. If you are interested, call our office for a free monovision laser evaluation.

## Meet our Staff

### Kim Procci

Our head refractive laser technician, Kim Procci, has worked at Mandel Vision for many years. She is responsible for obtaining your technical measurements prior to laser surgery. Her clinical expertise and skills were honed in Seattle and Chicago where she worked for two of the most prestigious refractive surgical practices. When Kim relocated to New York, their loss was our great gain.

### Nancy Moskowitz and Missy Grohne

Nancy and Missy are our premier laser vision consultants. From the moment you visit Mandel Vision, they treat you like family. They greet you, give you a tour of our laser facility, and will guide you through the entire process from start to finish. The day of surgery they hold your hand before and after surgery and are right by your side as you begin to experience your new vision. Nancy has worked in Ophthalmology for more than 15 years. She was born and lives in New York and has an eighteen year old daughter. Missy was born in the Midwest and relocated to New York City where she is eating up everything the Big Apple has to offer.

Next Newsletter: Dry Eyes • Meet More of our Staff • Different Choices for Laser Surgery

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