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The Best Vision Newsletter

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### New Intraocular Lenses

The following investigational intraocular lenses (IOLs) offer novel ways to improve patient satisfaction after lens removal surgery:

#### Accommodative IOLs

Traditional IOLs focus light at a single distance, thereby eliminating accommodation post-operatively. Newer bifocal IOL designs have had limited practical success due to symptomatic glare from the concentric ridges used to produce multifocality. Investigational IOLs have been designed which attempt to restore accommodation by producing anterior-posterior movement (CrystaLens, Accommodative 1CU, Synchrony), and additionally by changing anterior curvature (FlexOptic, SmartLens).

#### Light-Adjustable Lens

Current IOLs have a single pre-determined power. As a result, post-operative refractive adjustment requires exchange of the original IOL for a different power. A new investigational technology, the Light-Adjustable Lens, is composed of photosensitive molecules that allow post-operative adjustment of the patient's refractive state in vivo. Exposure to the appropriate wavelength of light allows titration of IOL power at the slit-lamp up to several weeks after implantation.

#### Implantable Miniature Telescope

Patients with poor best-corrected visual acuity, such as by macular degeneration or Stargardt's disease, often require low vision aids. Such patients have demonstrated significant improvement in activities of daily living following in-the-bag placement of the investigational Implantable Miniature Telescope (IMT) after lens removal. The better seeing eye is used for peripheral vision while the worse seeing eye has IMT implantation to maximize central vision.

These new IOL technologies have the potential to produce more satisfied post-operative patients by better restoring visual function. Success of these technologies could eventually move refractive surgery from the cornea to inside the eye.

We are pleased to offer an in depth discussion of each of these new IOL technologies – including results and status in clinical trials – at our fall conference.

New Albany Country Club ~ September 24, 2003

“New IOLs” presented by Gregory Searcy, M.D. “Restasis” presented by Richard Erdey, M.D.

Please Contact Doug Bosner, OD If Interested In Attending  
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We Look Forward To Seeing You There.

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We dedicate ourselves to enhancing the quality of life for every individual whose life we touch, by helping each to see his or her best, and by preserving our patients' vision and eye health throughout life.

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