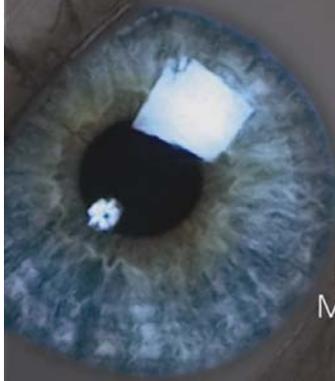


First there were "Bi-Focals"
Then there were "Progressives"
First came "Multi-Focal IOLs"

NOW
Introducing...

PRESBIOPTIC_xTM



The
First Progressive,
Multi-Focal IOL.

IMPERIAL MEDICAL TECHNOLOGIES, INC.
All Products are Made in the U.S.A.

Surgeons around the world are finding that patients with cataracts are becoming more and more active. Sports, driving, swimming and the outdoors are quickly becoming a major part of everyday life. Now patients can experience a world of difference with this superior optical system that allows the patient to have quality vision at multiple distances.

PRESBIOPTIC_xTM is designed to be implanted into the capsular bag following phacoemulsification removal of the natural crystalline lens.

Analyzing Human Stimuli

Neurosurgery teaches that the integration of any stimuli into the human body creates an action which is further developed by the brain into a recognized item. PRESBIOPTIC_xTM's unique design uses the body's own binary gating system to maximize the visual symbol or object seen by the patient and then take full advantage of the human brain's ability to select and to analyze that visual signal it selected.

Utilizing this principle with stereoscopic vision, when the lenses are implanted bilaterally, means

that the patient is offered a better choice of objects to "Focus on" thereby providing better near, mid-range and distant visual acuity.

Neurology & Psychology Meet Ophthalmology

This human process of binocular rivalry and visual suppression has been studied in depth. Numerous papers and books published by Dr. Randolph Blake and Dr. David Alais offer an insight into why the PRESBIOPTIC_xTM IOL works. Dr. Blake states, "Researchers today in neuroscience and cognitive psychology increasingly turn their attention to binocular rivalry and other forms of perceptual ambiguity or bi-stability. The study of fluctuations in visual perception in the face of unchanging visual input offers a means for understanding the link between neural events and visual events, including visual awareness."

The "Next Generation" Design

Scientists, MDs and PhDs working with Imperial Medical have studied binocular rivalry and believe that the optic design was formed so that, "One of the two monocular stimuli is erased from the perceptual awareness in milliseconds," Sang-Hung Lee PhD. A fact, that is concurred, by David Alais, PhD, University of Sidney.

Multiple Progressive Zones

The 360° square edge optic is supported in the bag by a pair of ergonomically designed Modified "C" style haptics engineered to support and stabilize the lens more than the normal foldable IOL. The optic itself offers a progression from distant vision in the middle, gradually moving outward to a near zone gradually shifting toward another controlled progressive zone thus allowing for good midrange vision. Unlike normal two, three, four or five ZONE lenses this new lens offers an optic that permits full light penetration to the fovea with none of the usual diffractive lines which rob the patient of valuable lumens or light intensity.

The dioptric "add" to the lens is approximately +2.0 diopters between the reading (near) vision and the distant (far) vision. Surgeons who have patients with near vision requests can custom order up to a +5.0 diopter change if needed.

Patient Selection Important

As with any bi-focal, tri-focal or multi-focal lens patient selection is critical for making sure that there are good post operative results. Patients

who currently enjoy progressive glasses, contact lenses or binocular vision with one eye near and one eye far are good candidates for a multi-focal PRESBIOPTICx™ IOL.

Patients with PRESBIOPTICx™ implants should expect a few days to adjust to their new multifocal vision and to get use to the new freedom from glasses. The patient can expect to have good distant vision for driving, sports and sightseeing. Then, because the lens is designed progressively from far to near, the patient should be able to see the computer screen clearly and read without straining. Some patients have occasionally experienced the need for mono-focal reading glasses from time to time. That is normal for some and should not be of concern.

Surgeons should tell patients that there is a possibility that multi-focal lenses may make them dizzy at first and they should use caution when climbing stairs or performing extreme sports until they have become comfortable with the advanced optical system.

It should also be explained that multi-focal lenses are not for everyone and that they should tell their doctor if, after a week or so, they are still not getting use to the experience.

But I Don't See Any Lines? Is it Multi-focal?

There are no lines! The new PRESBIOPTICx™ IOL offers a NEW choice for patients. Because it is Progressive you cannot see the multiple zones without high-tech optical measuring equipment.

Designed to help the patient see as clearly as possible through all focal planes and at all distances, most patients will adjust to their new found vision and enjoy the freedom offered from this revolutionary optical system.

Made in the United States of America

Imperial Medical Technologies, Inc, located in Marietta, Georgia in the U.S.A. manufactures only the finest quality Intraocular lenses from the finest and the most pure monomers in the world. Pure monomers mean complex polymers that will provide decades of clear, trouble free, vision.

Imperial Medical is CE Certified under CE0086 is ISO Certified and manufactures under all USFDA GMP regulations and compliance. Doctors and patients can be sure that they are receiving one of the finest optics in the world.

Designing, developing, building and distributing the best ophthalmic products in the world is Imperial's ultimate goal. Our polymers have been implanted more than a million times with NO medical recalls and NO adverse reactions. Customers should take care to use ONLY official Imperial Medical products as there are many counterfeit lenses on the market. If you suspect you have a counterfeit lens, please contact Imperial Medical immediately.

Imperial Medical Technologies Inc.
1349 Old Hwy 41, Ste. 100
Marietta, Georgia 30060
USA

CE 0086 – ISO 13485

PRESBIOPTICx™

OPTIC: 6.0mm, 360° Square Edge
LENGTH: 12.5mm & 13.0mm (Custom Order)
HAPTIC: Modified "C"
DIOPTERS: 0.0 Diopters – 40.0 Diopters
(0.5 Diopters increments 15.0D and 30.0D)
FORMULATION: Progressive Multi-Zone
METHOD: Refractive Bi-Convex

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