

## **Hyper-Prolate Spherical Aberration Treatment for Presbyopia**



**By Hugo F. Sutton, MD**  
*Langley / Canada*

*Dr. Hugo Sutton is chief surgeon and Medical Director at the IRIS Ophthalmology Clinic in Langley, British Columbia. IRIS, The Visual*

*Group is Canada's largest eye care provider. Dr. Sutton is also a clinical associate professor in the Department of Ophthalmology, University of British Columbia. He has been using the Carl Zeiss MEL 80 laser and the CRS-Master Wavefront Analysis systems exclusively since he carried out the first Canadian clinical trials in 2003.*

***Dr. Sutton presented results of a bilateral study with the MEL 80 excimer laser. Twenty patients underwent a hyper-prolate laser refractive treatment on their non-dominant eye and a regular treatment on their dominant eye. As Dr. Sutton explained, statistical analysis of Zernike Z(4,0) values on both eyes showed that a significantly more prolate spherical aberration was induced on the non-dominant eye. According to him, the future challenge is to demonstrate optometric benefits of multifocal vision for each patient.***