Inwave

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Hemispheric Field Loss
Suggested Fitting Procedure

Lens Purpose:
To expand the visual field of patients with monocular or binocular hemispheric field loss.

Lens Concept and Fitting:
The Inwave Field Expanding 1/2 Prism Lens is a specially molded lens in which the apex line of the prism is placed as close as possible to the tangent of a patient's functional retina. The **12 diopter prisms** are molded into the lens blank and are an integral part of the lens system. This one-half field can be rotated to accommodate any hemispheric field loss. As with any prismatic lenses, an adjustment period is required for complete patient acceptance of this system.

- ***Suggested fitting procedure:*** The Inwave Trial Lenses fit standard ophthalmic trial frames. The adjustability of the trial frame allows for better fitting compared to Halberg type clips, which are less adjustable.

1) The prescription is obtained with a standard refraction and a basis of field evaluation.
2) Starting monocularly, place the patient's Rx into the trial frame with the Inwave trial lens in the last sphere holder, or closest to the eye.
3) The base of the prism should be towards the field defect with the apex line tangent or aligned as close as possible with the edge of the functional field. Initially, with straight ahead fixation, the apex line can be centered on the patient's pupil.
4) The apex line of the trial lens should be moved towards the edge of the patient's functional field until the patient experiences diplopia or image shift. With minor adjustments, the edge of the functional retina is determined and the apex line of the prism is placed next to the functional retina.
5) Measure the apex line location from approximate center of apex line to center of bridge and record in "mm".
6) Record the prism base direction along with the patient's Rx and normal monocular PD on the Inwave Rx form. If defect on the oblique, record the apex line in degrees.
7) Bifocal seg. height measurements are obtained as normal. The bifocal round segs will be centered towards the patient's field of vision.
8) These lenses can be inserted into most frames and are cosmetically acceptable to the patient.

Lens Properties:
- Spectacle Rx powers available are ±8.00 sphere and ±7.00 cylinder.
- Bifocals are available with round segs only and with +2.00 and +2.25 bifocal adds.
- Lens material is standard CR39 ophthalmic plastic, which accepts normal tints, coatings and safety standards.
- Prescription is ground on the front surface on the Inwave lens.

Equipment Needed:
Inwave Field Expanding Trial Test Prisms*
38mm aperture trial lenses
Inwave Rx forms*
Standard trial frame
Standard eye charts

* Available through Inwave Optics, Inc.

For more information call
Monday through Friday 8:00 a.m. - 8:00 p.m. CST