

EyeMisra "Psychometric Refractor" [all trademarks privileged & reserved]

AUDIENCE

- 1) Doctors that manage optical prescription for retina conditions
- 2) Doctors that use cycloplegic eye-drops for optical prescription
- 3) Doctors that prescribe lens power to glaucoma patients
- 4) Busy doctors wanting to save clinic space

RETINA CONDITIONS

Central retina becomes unable to discern lens power differentials of 0.75 D after 3 years from first diagnosis of AMD and of diabetic macula.

Our technology presents a lens power differential of 1.2192 D.

CYCLOPLEGIC EYE-DROPS

For patient age-group 26 to 40 years, tropicamide eye-drops are used, for age-group 16 to 25 years, cyclopentolate eye-drops are used, and for ages 9 to 15, scopolamine eye-drops are commonly used by eye-doctors. Pupil size recovers to normalcy in 24 hours, 72 hours, and 5 days, respectively.

Our technology does not require cycloplegic eye-drops for ages 9 and up.

GLAUCOMA PATIENTS

Dilation caused by cycloplegic eye-drops can lead to acute angle closure in glaucoma patients. Patients with normal macula, but with constricted pupils of diameter 1.5 mm, can have a depth-of focus as large as 1.0 D.

Our technology is suitable for glaucoma patients, even if they are on miotics.

CLINIC SPACE

Doctors that have 5 examination rooms, tend to permit phoropter refraction and visual acuity in 3 of their 5 exam rooms. The Psychometric Refractor is table-top, can be placed anywhere, and therefore only one exam lane is needed (to check acuity with trial lenses).