



PARK RIDGE VISION

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Comprehensive Eye Examination:

- Medical/Vision History
- Automated Keratometry measurement (cornea)
- **Automated estimation of refraction (auto-refraction)**
- Pachymetry (corneal thickness measurement)
- Color perception
- Depth perception
- Habitual visual acuity at distance and near, right eye, left eye, both eyes
- Binocular alignment at distance and near
- Near point of convergence testing
- Pupillary afferent testing
- Extra ocular muscle movement testing
- Visual field screening, right eye, left eye
- **Subjective refraction at distance (with/without retinoscopy)**
- **Accommodative lag testing**
- **Binocular negative accommodation range**
- **Binocular positive accommodation range**
- Biomicroscopy of the anterior segment of the right and left eye
 - Corneal evaluation
 - Tear film evaluation
 - Epithelium
 - Stroma
 - Endothelium
 - Meibomian gland evaluation
 - Blepharitis evaluation
 - Bulbar conjunctival evaluation
 - Anterior vascular evaluation
 - Inferior and superior palpebral conjunctival evaluation
 - Evaluation of the iris
 - Evaluation of the lens (cataract)
 - Measurement of the anterior chamber depth/clarity
 - Measurement of the angle of the front of the eye
- Intra Ocular Pressure evaluation
- Posterior fundus evaluation
 - Vitreous assessment (floaters)
 - Optic nerve assessment

- Cup to Disc Ratio
- Perfusion assessment
- Nerve margin evaluation
- Macula assessment
 - Pigment regularity
 - Foveal contour evaluation
 - Drusen evaluation
 - Peri-macular interface patency
- Posterior Vascular Evaluation
 - Arteriole/Venule Ratio
 - Vascular wall patency (lipid/hemorrhage)
 - Evaluation for plaque/thrombolytic events
- Peripheral retinal evaluation
 - Evaluation for choroidal nevus/melanoma
 - Retinal health
 - Evaluation for thinning/tears/breaks
 - Evaluation for retinal detachments

Contact Lens (CL) Evaluation: Comprehensive Eye Examination PLUS

- Corneal Topography
- Tear break up time
- Corneal staining evaluation
- Calculation of type/design/fit of contact lens (different from glasses prescription)
- Evaluation of diagnostic contact lens in vivo
 - CL diameter in relation to corneal diameter
 - Movement of CL laterally and vertically
 - Tear exchange evaluation
 - Centering of the lens on the cornea
 - Alignment of the CL optics
- Evaluation of visual acuity at distance and near
- Over-refraction to determine adjustments to optimize visual acuity based on need
- Dispensing of diagnostic CL's
- Training class on how to place CL's on the eye, how to remove CL's and how to care for the lenses properly
- Dispensing of all CL related solution/cases
- Follow up visits to determine success in daily life situations