



*Kent W. Small, MD*

Board-Certified:  
American Board of  
Ophthalmology

Fellowship:  
Vitreoretinal  
Diseases and Surgery,  
Duke University Eye  
Center, Durham, NC;  
Molecular Genetics,  
Duke University  
School of Medicine,  
Durham, NC

MD: Tulane University  
School of Medicine,  
New Orleans, LA

*Specialized care  
for retinal diseases:*

- Macular degeneration
- Diabetic retinopathy
- Retinal tears & detachments
- Inherited retinal diseases
- Retinal vascular disease
- Macular holes
- Macular puckers
- Macular edema
- Proliferative vitreoretinopathy/scar tissue

*State-of-the-art  
diagnostic exams:*

- Fluorescein & indocyanine green (ICG) angiography
- Fundus photography
- Scanning laser ophthalmoscopy (SLO)
- Ultrasound A & B scans
- Visual field testing
- Microperimetry
- Optical coherence tomography (OCT)

### Clinical Applications of Electrodiagnostic Tests

Ophthalmic electrodiagnostic tests provide information about the function of the visual system from the retina at the abck of the eye, through the visual pathways to the visual center in the brain. Information from electrodiagnostic tests can assist the eye specialist with the diagnosis and recommendations for treatment for patients with retinal and visual pathway disorders. The tests also provide the specialist with information from which the prognosis and inheritance pattern of their disorder can be made.

### Electro-oculogram (EOG)

Other areas of the visual pathway can be investigated by specific electrical tests. The electro-oculogram (EOG) tests abnormalities of the outermost layer of the retina, the retinal pigment epithelium, allowing the early diagnosis of some inherited macular diseases such as Best disease.

Test Name	Area Tested	Time Taken	Dilating Drops
EOG	Retinal Pigment epithelium	30 minutes	No