



# A FIRST-OF-ITS-KIND

## Adult Inherited Retinal Disease Diagnostic Unit In Wethersfield

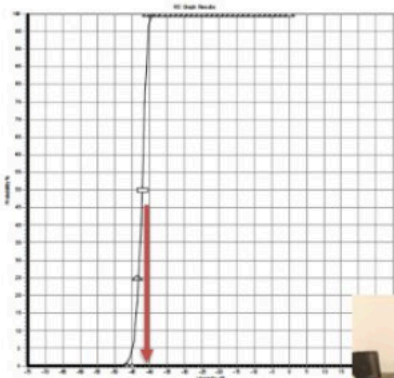
In addition to its new clinical facility, the Retina Group of New England is proud to introduce a dedicated Adult Inherited Retinal Disease (IRD) Unit, one of the few specialized programs in the region focused exclusively on the diagnosis and management of genetic retinal disorders.

Inherited retinal diseases—including conditions such as retinitis pigmentosa, cone-rod dystrophy, and other genetic retinal degenerations—are complex disorders that require highly specialized diagnostic tools and expertise. These conditions often affect the retina's light-sensitive cells and may lead to progressive vision loss.

The new IRD unit integrates advanced diagnostic technologies to allow earlier and more precise identification of these conditions. The program includes state-of-the-art retinal imaging, electrophysiology testing such as electroretinography (ERG), and genetic testing that can identify disease-causing mutations. ERG testing measures the electrical response of retinal cells and is widely used to evaluate inherited retinal disorders.

By combining advanced imaging, functional testing, and genetic analysis, physicians can better understand the underlying cause of a patient's condition and guide personalized treatment strategies. These tools also allow patients to be evaluated for emerging therapies and clinical trials that are transforming the field of inherited retinal disease.

The creation of this specialized unit represents an important step forward in the diagnosis and care of patients with rare retinal disorders. Through this initiative, the Retina Group of New England hopes to provide patients with access to cutting-edge diagnostics, expert care, and the latest advances in retinal medicine.



Sensitivity threshold



### Functional (Visual Physiology) & Advanced Testing Available

1. Full-Field Electroretinography (ffERG)
2. Multifocal Electroretinography (mfERG)
3. Electrooculogram (EOG)
4. Visual Evoked Potential (VEP)
5. Dark Adaptation Testing
6. Microperimetry



Profile cart mfERG system

