

Massachusetts College of Pharmacy and Health Sciences (MCPHS) School of Optometry Announces the Launch of its New Ophthalmic Electrodiagnostic Service

MCPHS School of Optometry is proud to announce the launch of its Ophthalmic Diagnostic Center, a major expansion of its clinical and research capabilities.

As a specialized service of their Eye and Vision Center, it brings advanced functional testing to patients with complex, unexplained, or progressive visual disorders—providing objective insight into retinal, optic nerve, and visual pathway function that cannot be obtained through structural imaging alone.

The new service offers a full suite of internationally standardized tests, including:

- Electroretinography: full-field flash, pattern, multifocal and PhNR ERG
- Visual Evoked Potential: flash, pattern and binocular VEP
- Electro-oculography (EOG)

These tests allow clinicians to evaluate photoreceptor integrity, macular function, ganglion cell activity, and cortical visual processing with precision. By integrating these tests into routine and subspecialty care, practitioners can diagnose inherited retinal diseases earlier, differentiate retinal from optic nerve pathology, monitor toxic medication effects, guide management for patients with unexplained vision loss and monitor physiological improvement during amblyopia therapy. Advanced color vision testing, dark adaptometry, and ophthalmic ultrasound are also available.

Beyond clinical care, the service strengthens MCPHS's commitment to vision research. The platform supports clinical trials, prospective studies, genotype–phenotype correlation studies and functional outcome measures for emerging therapies, including gene and cell-based treatments. With standardized protocols and high-resolution recording systems, the team can contribute high-quality data to national and international research collaborations.

The Ophthalmic Electrodiagnostic Service is staffed by Larry Baitch, OD, PhD, FAAO who is Professor and Associate Dean for Research and has over forty years of experience in clinical and research electrophysiology, and Greg Waldorf, OD, MPH, FAAO, who is Associate Professor and Associate Dean for Clinical Programs, specializing in developmentally-delayed and visually-impaired special populations.

If you wish to refer a patient, **call the Eye and Vision Center** at (508) 373-5830 to submit a referral request.