

Quantify retinal function. Manage retinal disease.



DIOPSYS® fFERG

FULL FIELD ELECTRORETINOGRAPHY

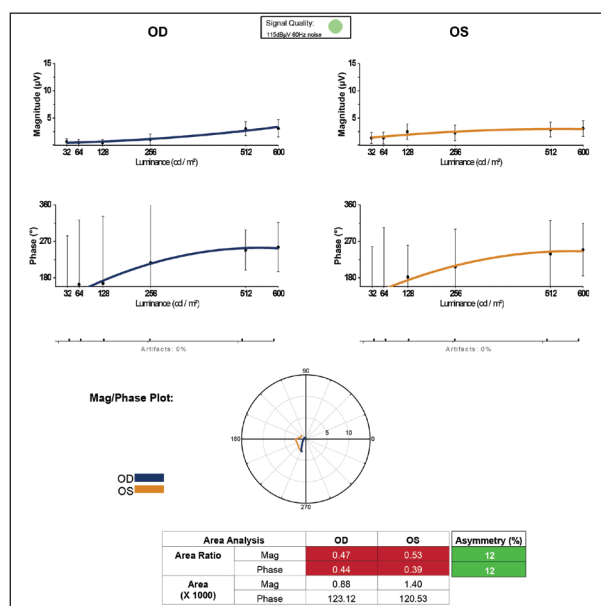
• objective • functional • accessible

Diopsys® fFERG / Flicker vision tests provide objective, functional information about global retinal health using intuitive, color-coded reports to help eye care professionals:

- Evaluate retinal disease severity^{1,2}
- Predict retinal ischemia²⁻⁴
- Quantify retinal function loss and recovery^{1,2,5}
- Monitor retinal function for more appropriate and timely treatment^{1,2,5}

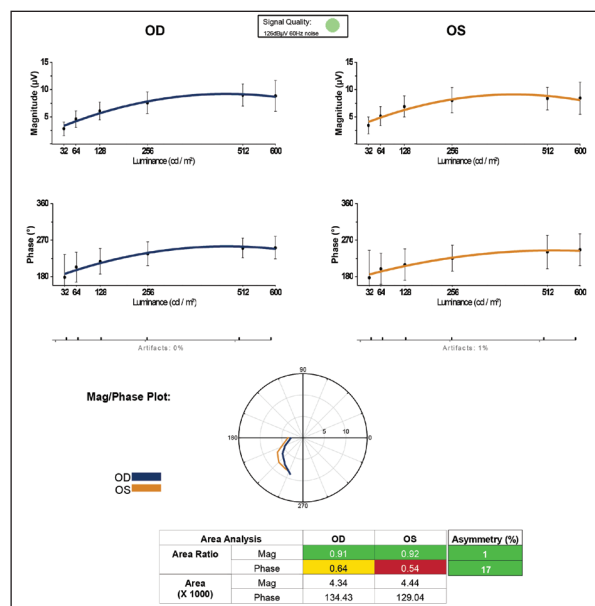
Flicker ERG is clinically effective in helping to manage retinal disorders like **diabetic retinopathy, central retinal vein occlusion, retinal concerns obscured by media opacities, and uveitis.**¹⁻⁵

ffERG Pre- Anti-VEGF Injections



Results before anti-VEGF injections for diabetic retinopathy show magnitude and phase values out of reference ranges OU, suggesting poor retinal function.
Pre-Injection BCVA: 20/100 OD, 20/40 OS.

ffERG Post Anti-VEGF Injections



Results after anti-VEGF treatment for diabetic retinopathy show increased magnitude and phase values OU, suggesting retinal function improvement.
Post-Injection BCVA: 20/70 OD, 20/30 OS.

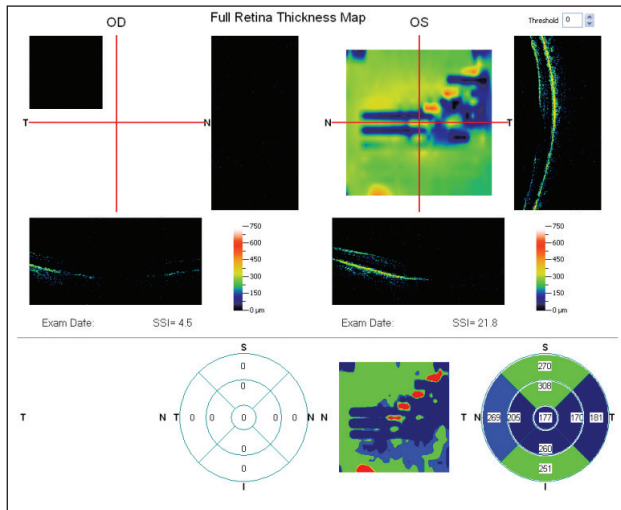
Predict treatment outcomes.⁴ Enhance patient management.



Diopsys® ffERG excels when other methods fall short.

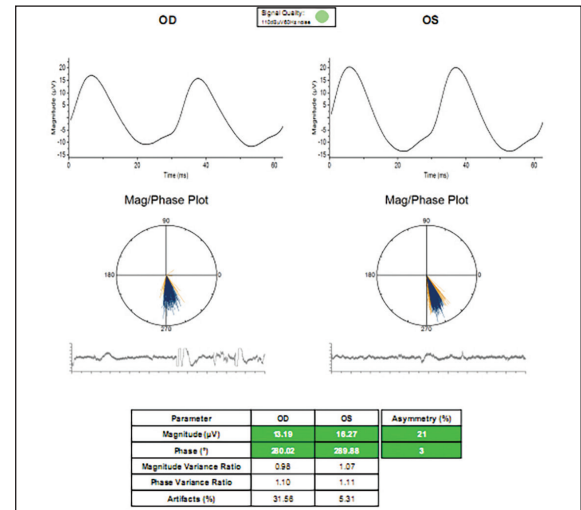
When OCT, fundus photos, and visual fields are unable to provide a clear evaluation of retinopathies, ffERG test results can provide insight behind cataracts and other media opacities.^{2,4} Such in-depth information can help predict post-treatment retinal function and be useful in managing patient care and expectations.⁴

Pre-Operative OCT



Results are inconclusive due to dense lens opacities, OD > OS.
Pre-operative BCVA: counting fingers at 3 feet OD, 20/200 OS.

Pre-Operative ffERG



Results show all parameters are within reference ranges, suggesting healthy retinal function and a good prognosis for acuity post cataract surgery.
Post-operative BCVA: 20/40 OD, 20/20 OS.

Objective, functional results for you.
Enhanced care for your patients.

To learn more, visit Diopsys.com/FullField
or call 1-973-244-0622.



1. Yasuda S, Kachi S, Ueno S, Piao CH, Terasaki H. Flicker electroretinograms before and after intravitreal ranibizumab injection in eyes with central retinal vein occlusion. *Acta Ophthalmol.* 2015;93:e465-8.
2. Moschos MM, Gouliopoulos NS, Kalogeropoulos C. Electrophysiological examination in uveitis: a review of the literature. *Clin Ophthalmol.* 2014;8:199-214.
3. Larsson J, Andréasson S. Photopic 30 Hz flicker ERG as a predictor for Rubeosis in central retinal vein occlusion. *Br J Ophthalmol.* 2001;85:683-5.
4. Ratanapakorn T, Patarakittam T, Sinawat S, Sanguansak T, Bhoomibunchoo C, Kaewpanna S, Yospaiboon Y. Effect of cataract on electroretinographic response. *J Med Assoc Thai.* 2010 Oct;93(10):1196-9.
5. Holm K, Schroeder M, Lövestam Adrian M. Peripheral retinal function assessed with 30-Hz flicker seems to improve after treatment with Lucentis in patients with diabetic macular oedema. *Doc Ophthalmol.* 2015;131:43-51.