

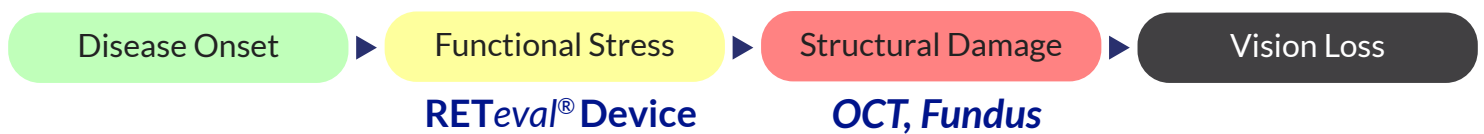
RETeval[®] Device

Simple, Objective Eye Health Assessment

Get the full picture with non-invasive, effective, & reliable full-field ERG & VEP testing



Detect Functional Stress Anticipate Structural Damage



Rapidly assess *Diabetic Retinopathy | Glaucoma | and many other optic nerve and retinal diseases*



SIMPLE TO USE

Handheld, light, and portable
Appropriate for any age without sedation
Train technicians in minutes



NO CORNEAL CONTACT

Our non-invasive LKC patented sensor strip skin electrodes mean no corneal electrode required



SIMPLE TO INTERPRET

Color-coded results for easy interpretation
Test results shown on device, or export a PDF for easy integration into your medical records



ADVANCED TESTING

Advanced full-field ganzfeld functionality in a hand-held ERG/VEP device.



DILATION NOT REQUIRED

Real time pupillography adjusts for pupil size in real time – can be used in patients who are not dilated or in any stage of dilation



SIMPLE TO BILL

Reimbursed and co-billable – can be billed on the same day with OCT, Photos, and/or VF

Integrated age-matched reference data.



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RETeval[®] Device

DR Assessment: combines four metrics to calculate a user-directed DR Score which has been shown to indicate the risk of vision threatening diabetic retinopathy
 Flicker: 16 Td-s or Flicker: 32 Td-s for patients with cataract – White light flicker (15 second white light flicker test – cone & bipolar cells)
 PhNR: 3.4 Hz Long / Short Td – Red flash on blue background (60 sec / 30 sec cones, cone bipolar cells, ganglion cells)

DIABETIC RETINOPATHY REPORT EXAMPLE

Color-coded for easy interpretation.
 Normative database reference shows green as 95% of normal for people their age, yellow/red is outside of normal.

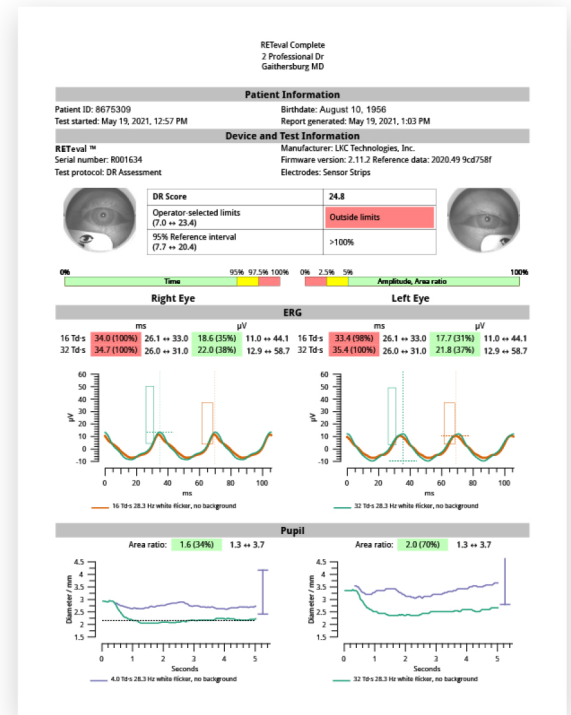
DR Score	24.8
Operator-selected limits (7.0 ↔ 23.4)	Outside limits
95% Reference interval (7.7 ↔ 20.4)	>100%

IMPLICIT TIME

Delayed implicit time (yellow/red)
 Indicates cellular stress

AMPLITUDE

Lower amplitudes (yellow/red)
 Indicates cellular damage



How It Works

- 1 RETeval device will start flashing light into the patient's eye.
- 2 The retina responds to the flashes by generating small electrical signals that travel through the facial structure to the sensor strip.
- 3 RETeval sensor strip detects the electrical signals and compares the results to the normative database.

Test for Diabetic Retinopathy, Glaucoma, & more with the RETeval device!

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