



CSO RETIMAX



VENICE 5-9 APRIL 2018



CSO is located in the beautiful town of Florence the Italian capital of art and architecture Florence is considered the birthplace of the Renaissance.

House of Giotto and Cimabue, the father of the major Italian paintings and sculptors. Brunelleschi, Donatello and Masaccio, forefather of Botticelli, Michelangelo and the universal genius of the science Leonardo da Vinci and Galileo Galilei. Since 1967 proudly CSO continues his tradition of manufacturer in Florence.





®



COSTRUZIONE STRUMENTI OFTALMICI

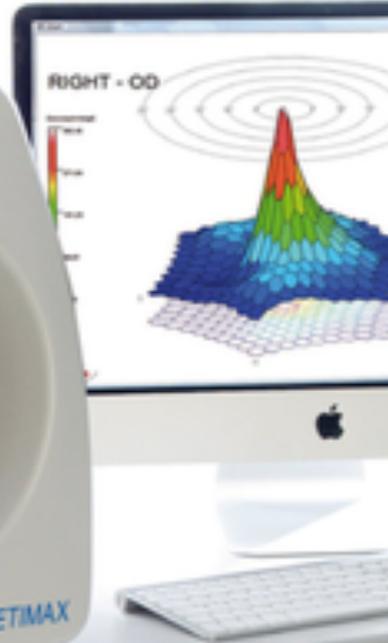


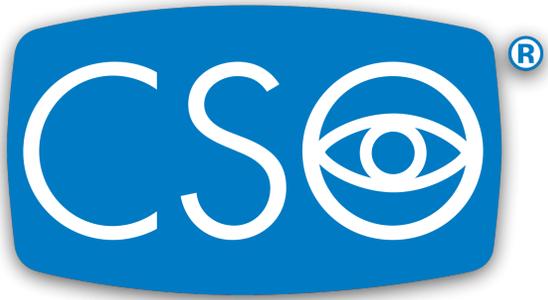
COSTRUZIONE STRUMENTI OFTALMICI

RETIMAX

RETIMAX BASIC, ADVANCED E ADVANCED PLUS

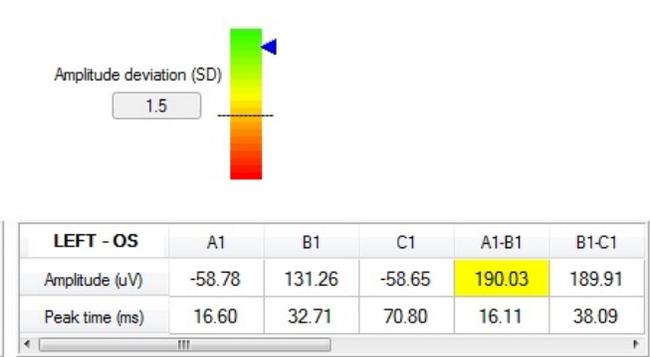
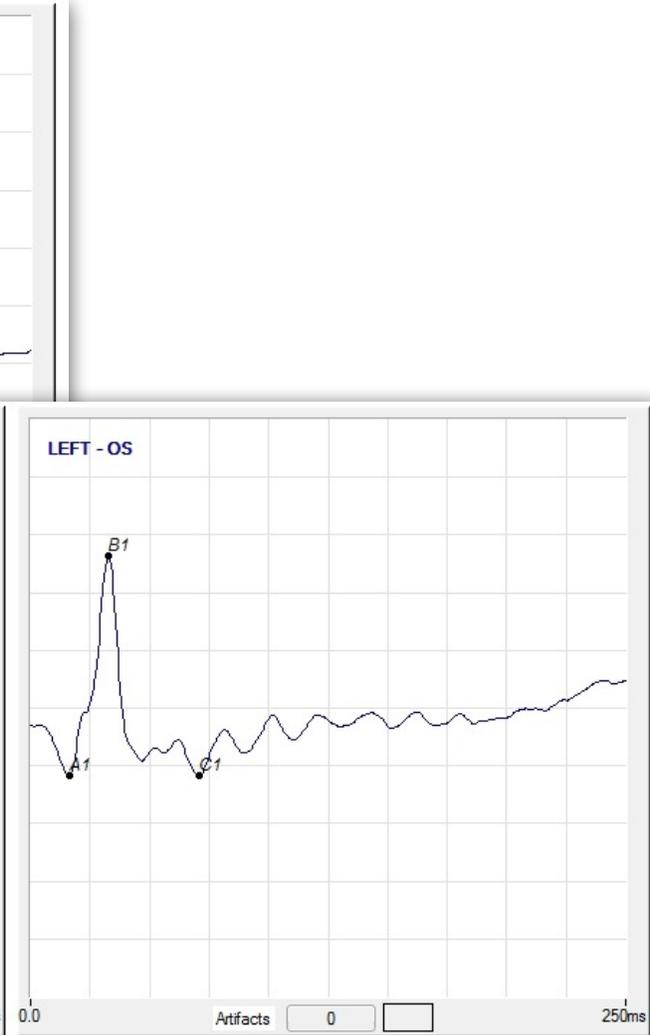
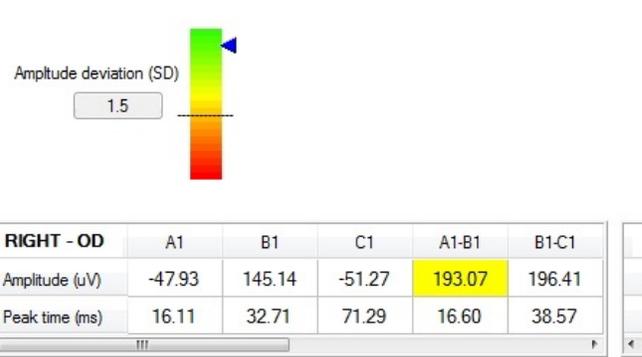
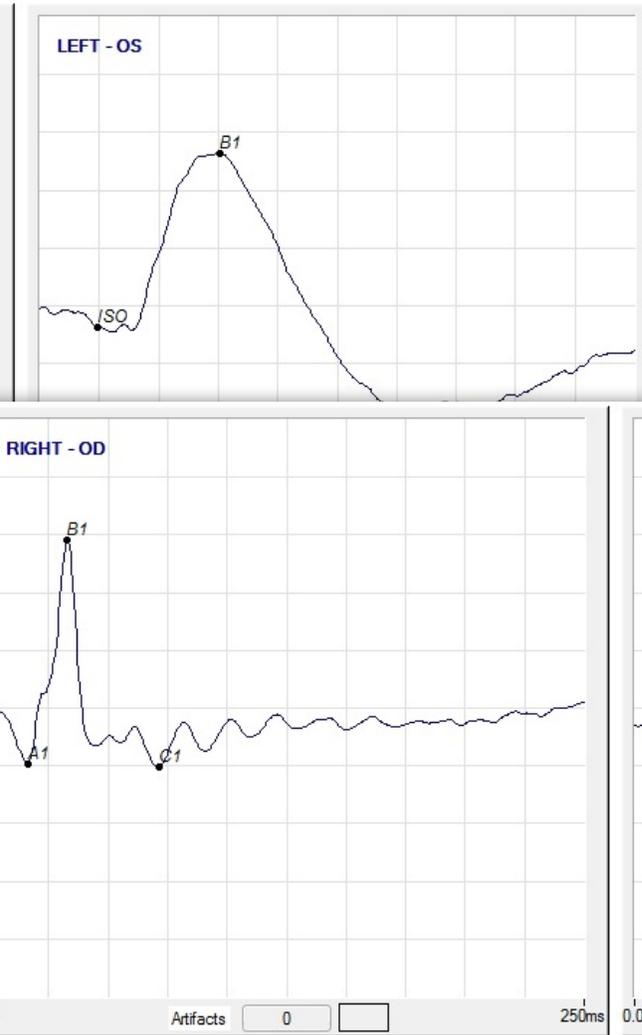
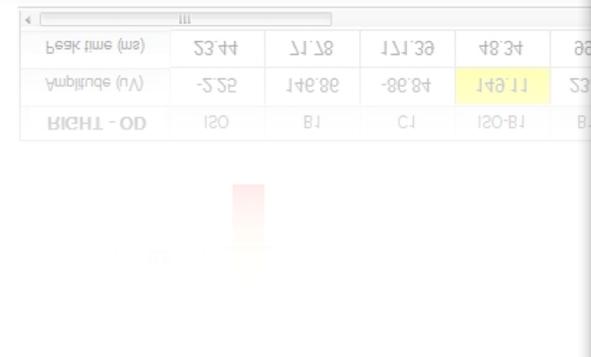
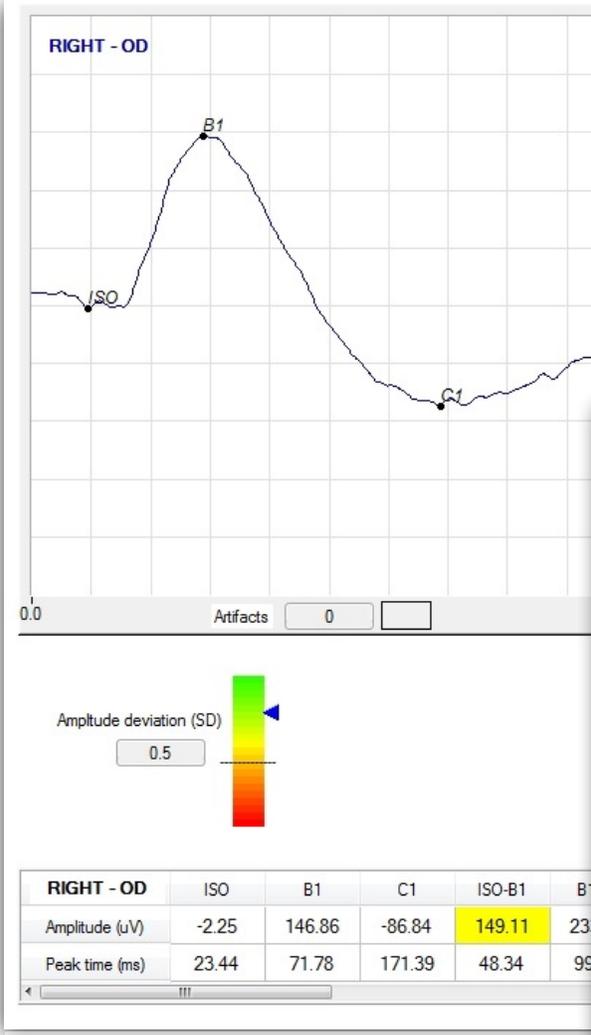
RETIMAX is a device for Ocular Electrophysiology fully conform to ISCEV standard. It combines friendly use for the clinical practices and advanced features for scientific applications. Useful for the diagnosis of inherited degenerative disease, Retinitis pigmentosa, Stargard, retinal distropy, and other retinal or macular degeneration. DR (diabetic retinopathy) and AMD (age related macular degeneration). Neuro-ophthalmic disease, optic nerve dysfunction and Glaucoma.

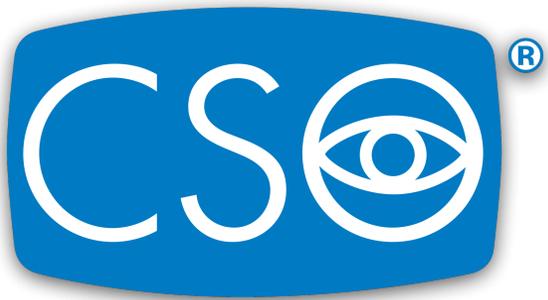




RETIMAX Provides the deviation to the reference values, age correlated for all test, ISCEV conform.

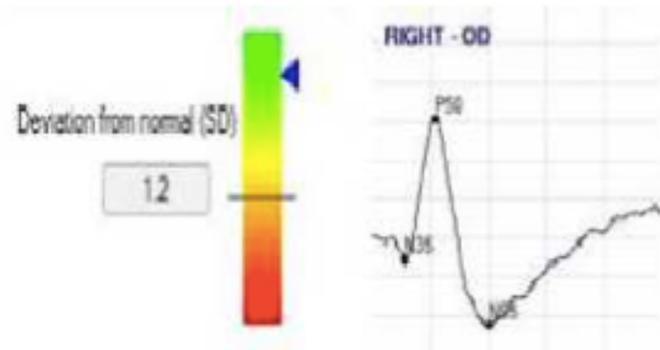
ERG, PERG, VEP, EOG, Multifocal ERG





PERG Glaucoma Hemi field Test

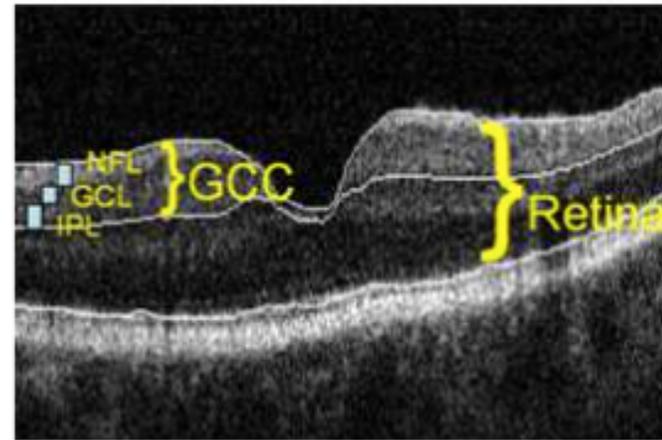
Reversible functional dysfunction of Retinal Ganglion cells



PHASE 1

RNFL Test

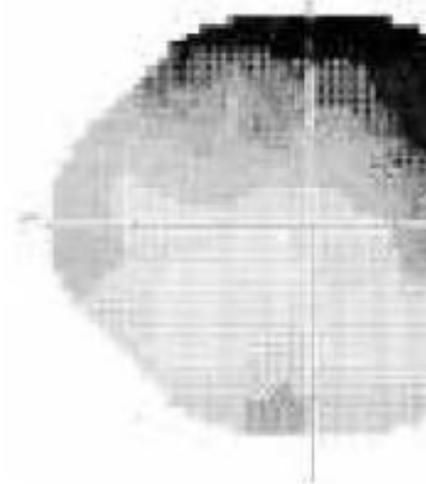
Irreversible reduction of optic nerve fibers and Ganglion cells



PHASE 2

Visual Field Test

40 -50 % of Optic nerve fibers lost



PHASE 3

*RETIMAX
Provides Hemifield
Glaucoma Test.
It result very useful for
the functional
assessment of Ganglion
cells in the early phase of
Glaucoma disease.*



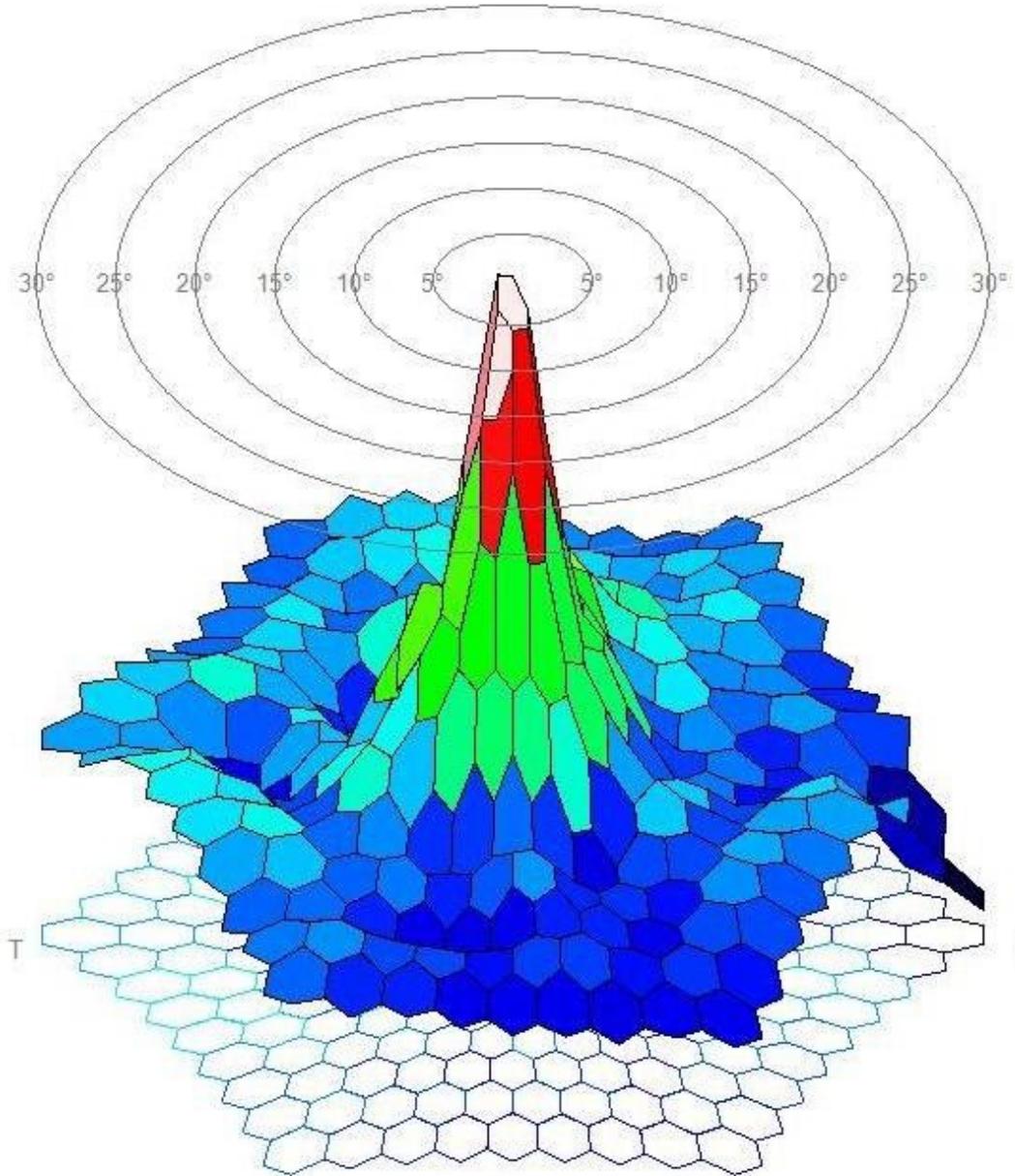
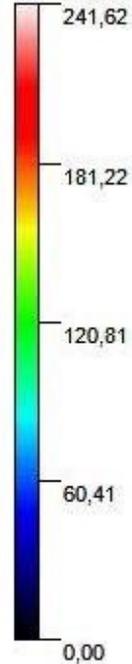
*Multifocal ERG includes
3D analysis, Ring
Analysis, User defined
analysis.*

*Useful tools for the
diagnosis of inherited
degenerative disease,
Retinitis pigmentosa,
Stargard, retinal dystropy,
and other retinal or
macular degeneration.
RD (diabetic retinopathy)
and AMD (age related
macular degeneration).*

3D chart

OD

Density[nV/(°)²]

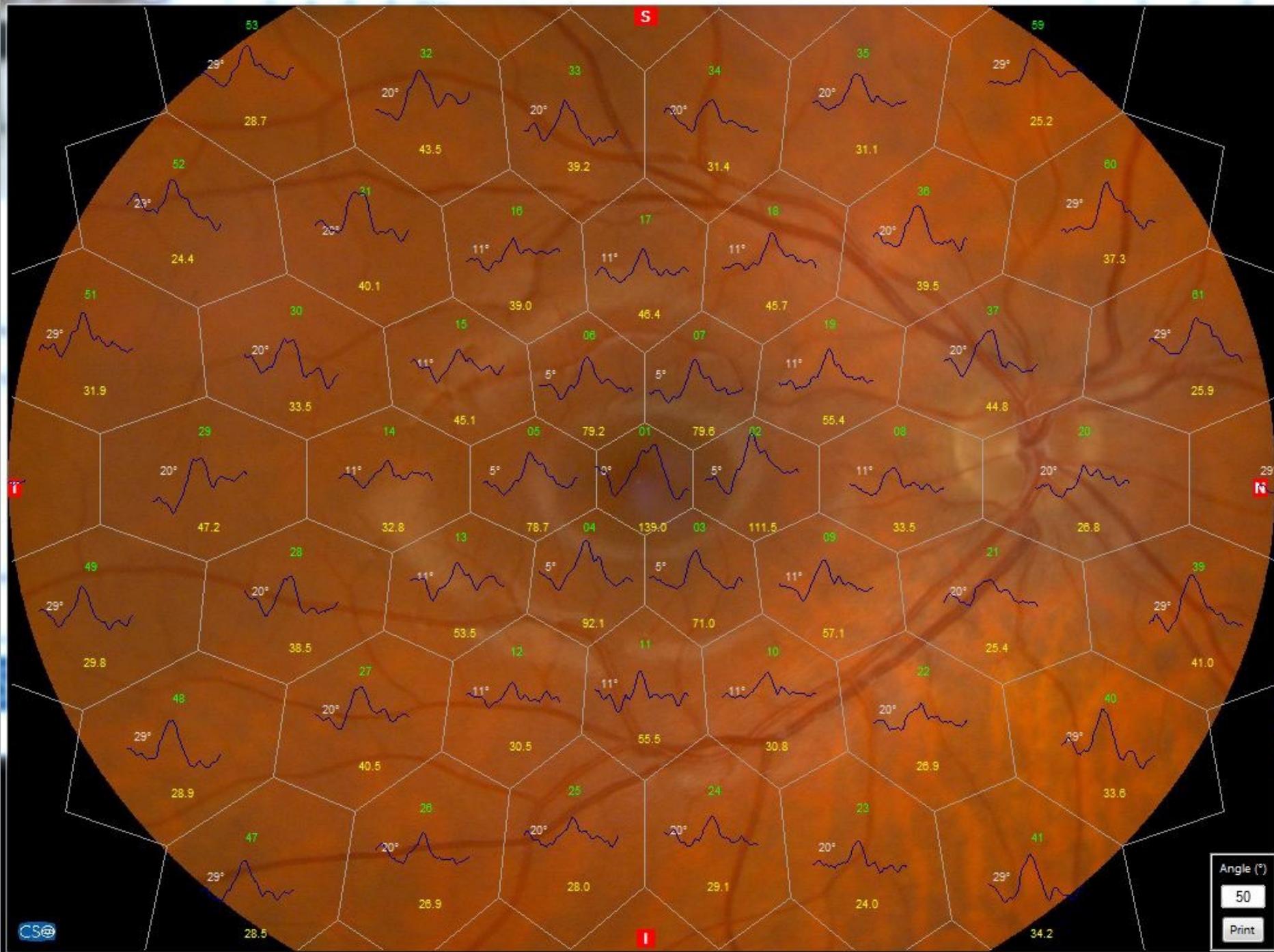


Print

Exit



*RETIMAX + COBRA
automatically provides
accurate overlap of
MfERG and image of
the Retina, detected by
non mydiatric fundus
camera with fine details*





Short-term effects of vision trainer rehabilitation in patients affected by anisometropic amblyopia: electrofunctional evaluation

**Paolo Esposito Veneruso · Lucia Ziccardi ·
Giulia Magli · Benedetto Falsini · Adriano Magli**

RETIMAX Vision Trainer provides rehabilitation treatment aiming to improve visual performance in patients with reduced visual capability. Scientific publications were published validating it with interesting results

Visual rehabilitation with Retimax Vision Trainer in patients with severe Acquired Brain Injury: report of two cases

**Margherita Chiari - Caterina Savi - Erika Battagliola
Donatella Saviola - Antonio De Tanti**

Rehabilitation Center Cardinal Ferrari of Fontanellato, Parma, Italy

doi: 10.7358/neur-2014-015-chia

margherita.chiari@centrocardinalferrari.it



*RETIMAX Miniganzfeld
Hand held flash
stimulator, useful for
children and for the
testing of patient in
surgery room. It ncludes
Infrared camera and
display built-in. Conform
to ISCEV Standard.
Useful for the detection
of ERG and VEP in
yang children and
uncooperative patients*



TECHNICAL FEATURES

- + Weight: 0,5 Kg
- + Dimension: 20x25 cm
- + Flash strength: 0 a 8 cd/mq*Sec
- + Background intensity: 0 a 500 cd/mq
- + Synchronization: TTL open collector
- + Patient observation: Infrared CCD Camera
- + Pupil meter: (optional)

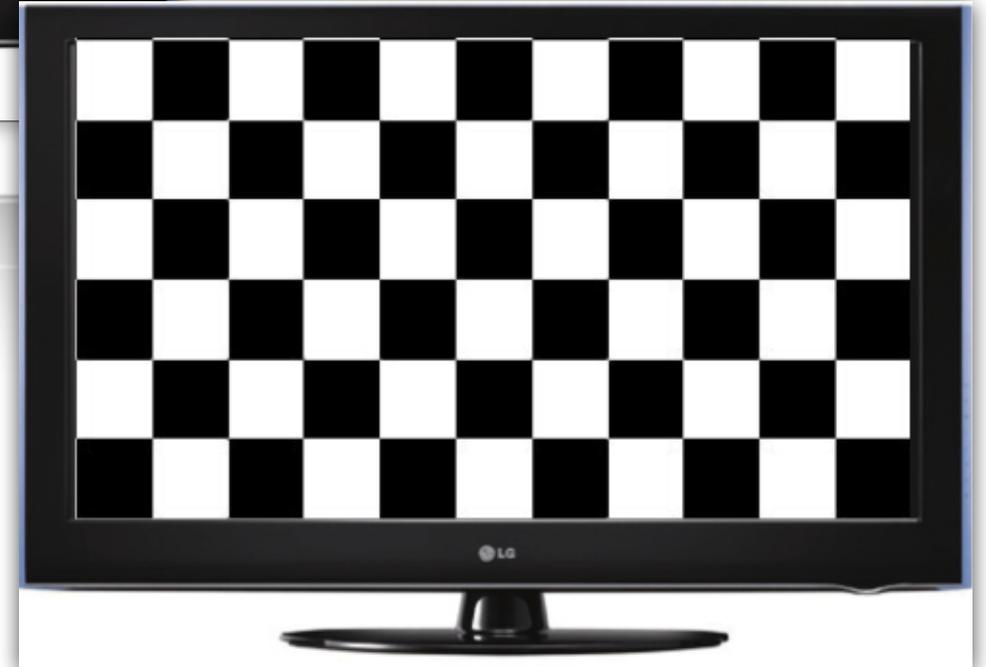


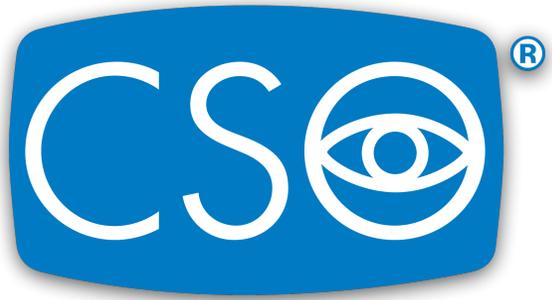
MfERG stimuli



OLED display Provide a very accurate stimuli, free of luminance artifact for PERG and VEP. Wide visual angle with automatic adjustment of visual field for MfERG stimuli according to spherical correction applied to the patient

Standard PERG - VEP stimuli



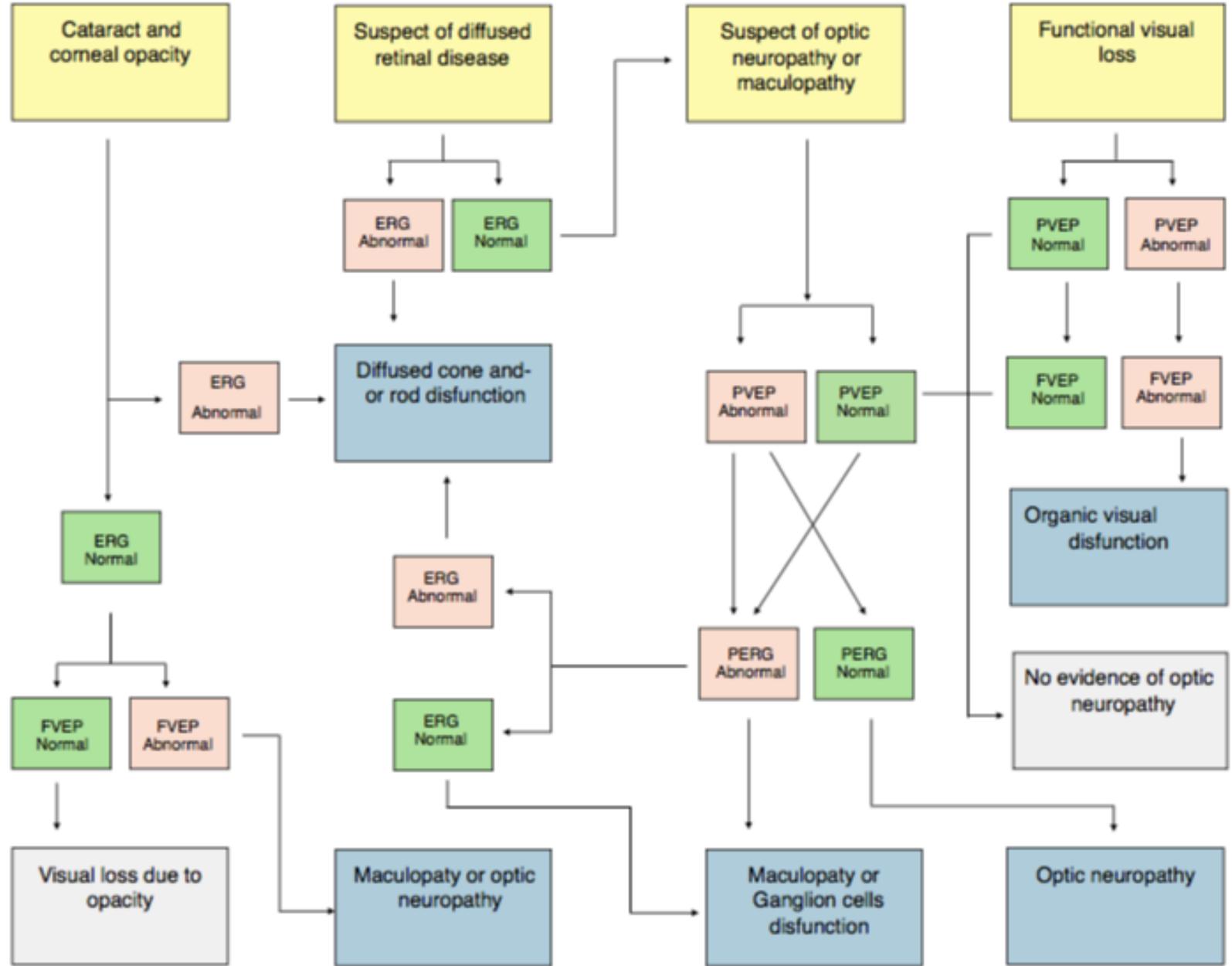


Tutorial movies rich of details and informations, are available for the training of practitioners in the management of the patient





Functional test to ocular disease cross references





ESCLUSIVE
FEATURES

DEVICE COMPARATIVE FEATURES					
	FEATURES	RETIMAX	DEVICE R	DEVICE T	REMARKS
1	Type of M-sequence	Real Time Total Length Binary M - Sequence (patent) show the results also during the test	NO, short m sequence only	NO, short m sequence only	Real time m-sequence provide the viewing of results during the execution of the examination, not only at the end of examination. It result very useful for the monitoring of the patient electrodes and reliability of examination and to save of time consuming and stressing of patient.
2	Possible start, stop, pause, and continue, at any time	possibility stop and restart the test without loose previous acquisition	NO, loose the last acquisition	NO, loose the last acquisition	Great value provided by this feature, useful for the full control of examination procedure saving time consuming and stressing of patient.
3	Possible check result in real time	Check in real time the reliability of results	NO, Only at the end of the acquisition	NO, Only at the end of the acquisition	provide the viewing of results during the execution of the examination, not only at the end of examination. It result very useful for the monitoring of the patient electrodes and reliability of examination and to save of time consuming and stressing of patient.
4	Discar artifact criterion	Discard selective acquisition and artifact	NO	NO	This feature provide the possibility to discard selectively acquisition and sample not conform to the expecting values
5	Age normative data base	Compare the result of the patient with age correlated normative data base	NO	NO	Great values is the age related normative data base for the comparison of patient results with the reference values and standard deviation. It is available for all TEST
6	Number of hexagon	From 1 to 241 programmable Multifocal stimuli	YES	YES	



Your professional partner since 1967