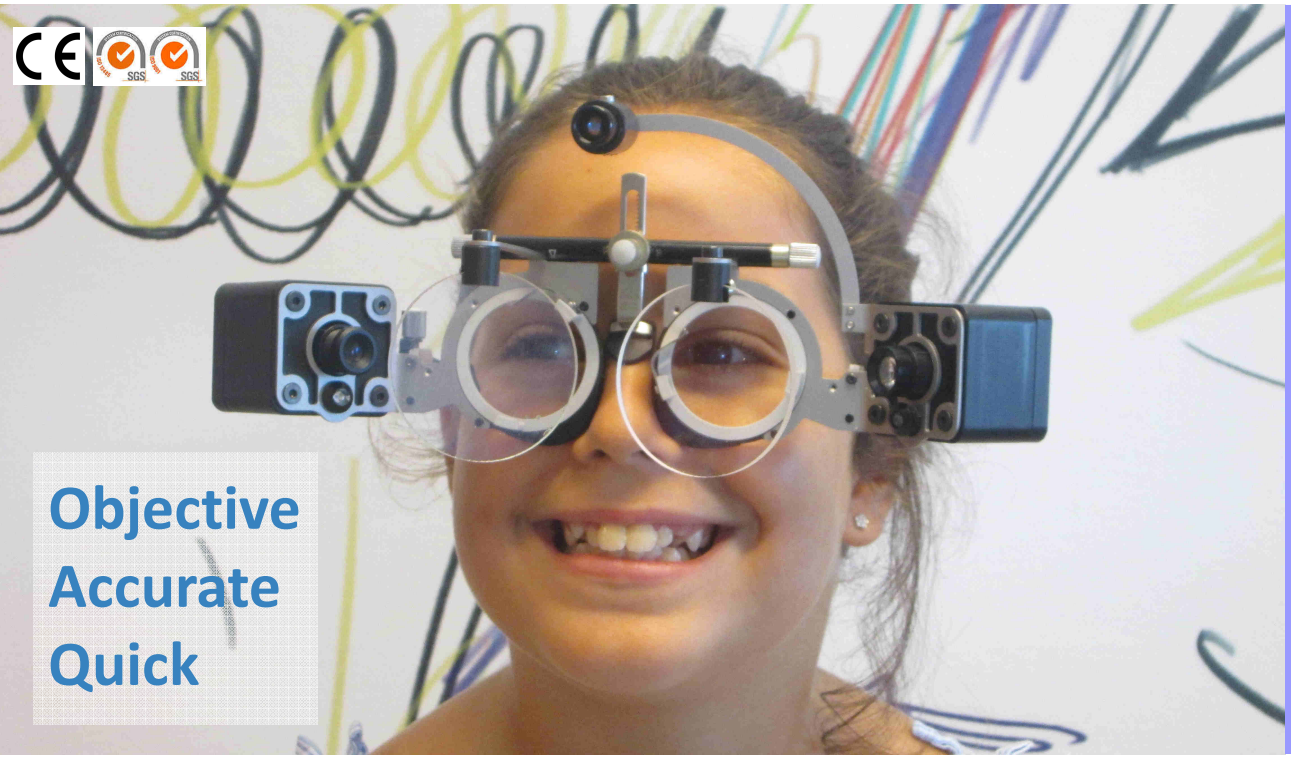
GazeLab

bcn innova

Ocular Motility Control

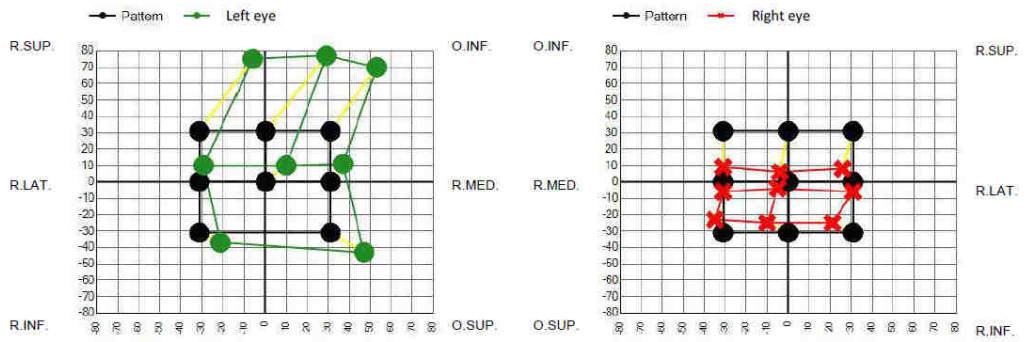


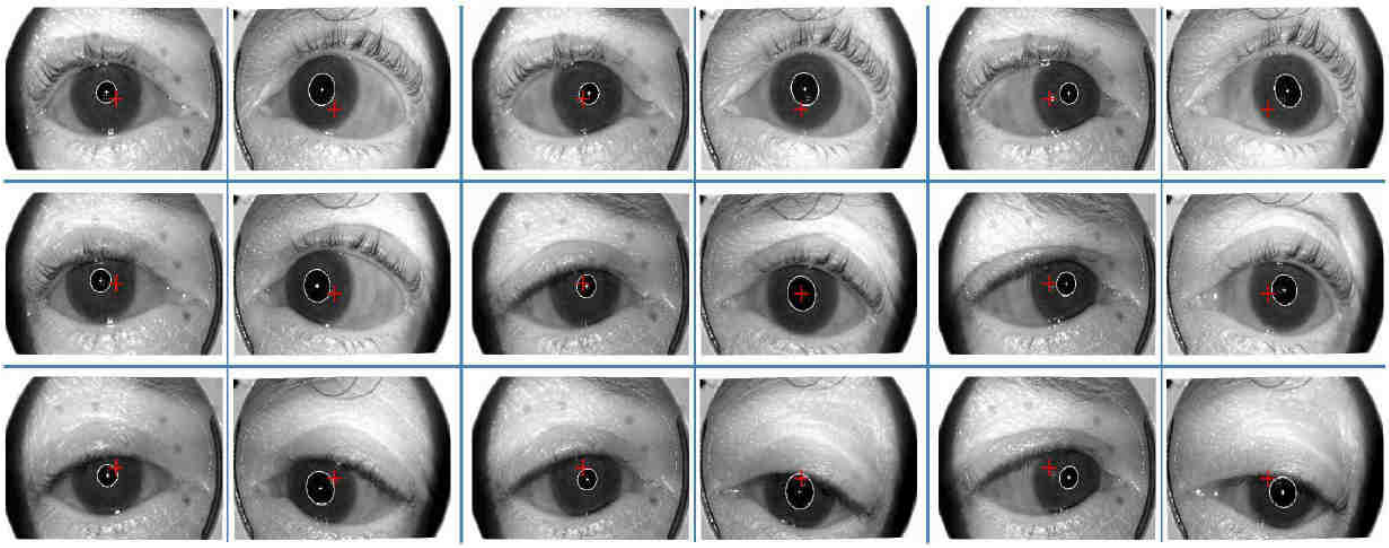
Objective
Accurate
Quick

- Strabismus
- Oculomotor paralysis
- Phoria
- Kappa
- Refractive screening
- Pupil
- Nistagmus

VOG: THE BEST MEASUREMENT

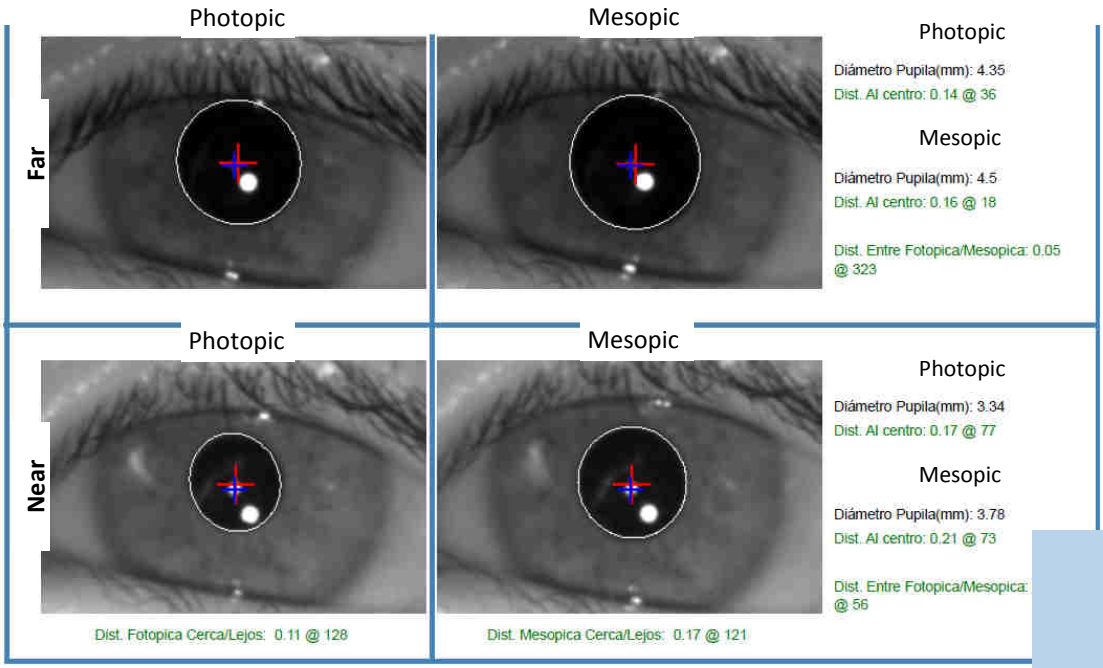
¡MAKE IT EASY!





REFRACTIVE SCREENING

Strabismus and Phoria Assessment. Kappa & Pupil in different light conditions

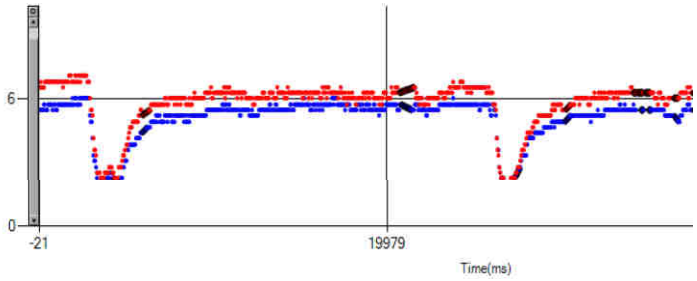


Against diplopia & photic phenomena

¡¡Goodbye surprises!!

Pupillometer

Pupils light reflex test

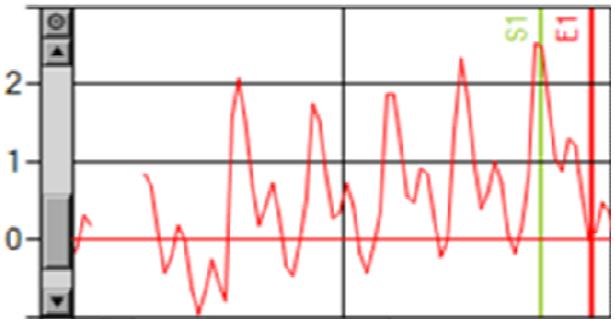


Binocular measurement of the pupillary parameters:

Pupil diameter and contraction time, relax time (50%, 75% and 90% amplitude). Period and amplitude of tonic movements.
Easy documentation of pupillary light reflex (afferent and efferent), anisocoria, and any pupillar disorder.

VNG

(VideoNystagmoGraphy)



Nystagmography binocular & monocular (100fps).

Video recording & automatic measurement of all the oscillation parameters:

Amplitude, frequency, intensity, speed, statistical analysis, and null point.

BCNINNOVA TE SL

Edifici EUREKA, Campus UAB

Cerdanyola (CP 08193) Barcelona España

www.bcninnova.com

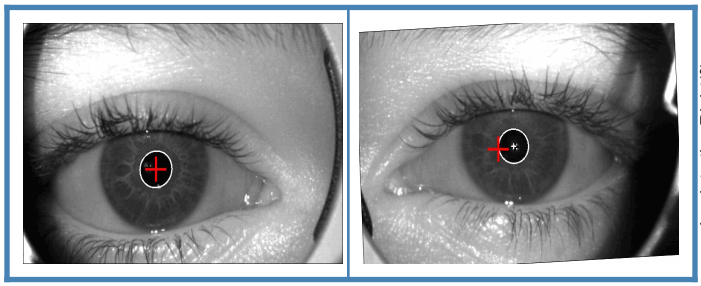
info@bcninnova.com

Phone 93 586 89 64 Cell: 619 52 56 10

9 Gaze Positions Test

Patient id: 1019259
Name: EMVEH 1
Exploration Date and Time: 12/02/2015 17:13:42 Accuracy: -

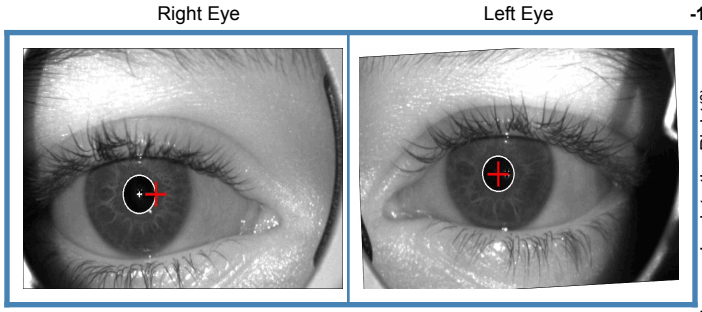
Both eyes uncovered



Both: -3±2 / 0±2	Both: -3±3 / 1 L/R ±2	Right Eye: -14±2 / 4 L/R ±2
Left Eye: -14±2 / 1 R/L ±2	Right Eye: -19±3 / 4 L/R ±3	Right Eye: -19±3 / 6 L/R ±3
Left Eye: -27±3 / 7 R/L ±3	Right Eye: -32±3 / 7 L/R ±4	Left Eye: -26±3 / 4 L/R ±4

Look to the Right(°): 17 / -17 — Look to the Left(°): 17 / -17

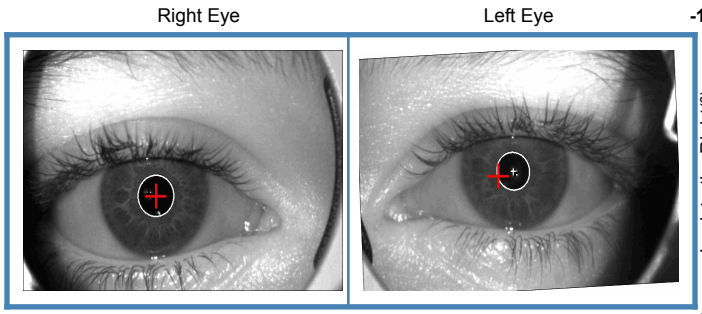
Right eye covered



Left Eye: -16±3 / 2 R/L ±3	Left Eye: -18±3 / 0±3	Left Eye: -21±3 / 3 L/R ±3
Left Eye: -14±2 / 2 R/L ±2	Left Eye: -20±3 / 0±3	Left Eye: -24±3 / 6 L/R ±3
Left Eye: -23±3 / 4 R/L ±3	Left Eye: -23±3 / 4 R/L ±4	Left Eye: -25±3 / 3 L/R ±4

Look to the Right(°): 17 / -17 — Look to the Left(°): 17 / -17

Left eye covered



Right Eye: -16±3 / 2 L/R ±3	Right Eye: -16±3 / 4 L/R ±3	Right Eye: -14±3 / 4 L/R ±3
Right Eye: -16±3 / 2 L/R ±3	Right Eye: -18±3 / 6 L/R ±3	Right Eye: -21±3 / 9 L/R ±3
Right Eye: -18±3 / 4 L/R ±3	Right Eye: -24±3 / 7 L/R ±4	Right Eye: -24±3 / 8 L/R ±4

Look to the Right(°): 17 / -17 — Look to the Left(°): 17 / -17

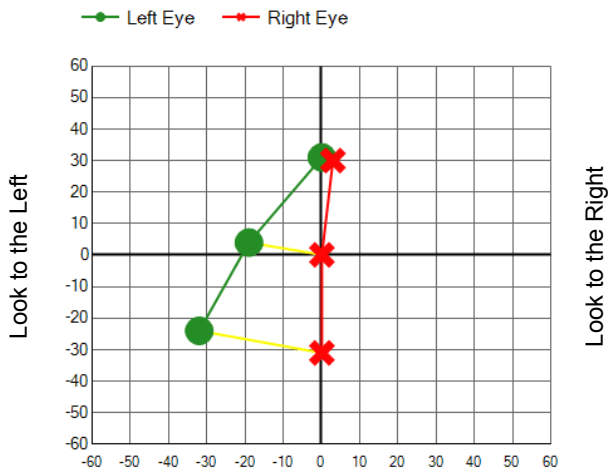
Proposed fixed eye	
Horizontal(Δ)	Vertical(Δ)

Horizontal deviation sign (+ Convergence, - Divergence)

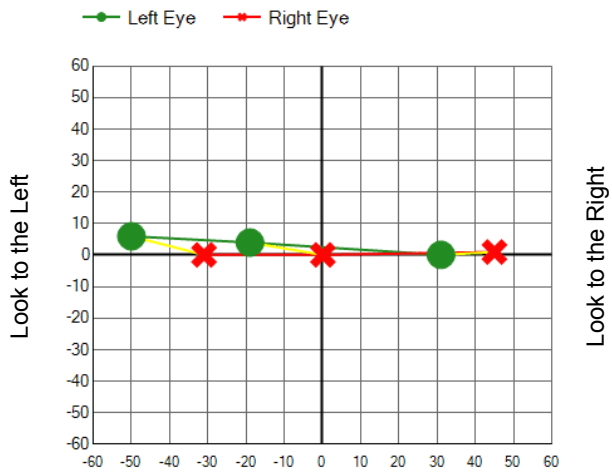
Vertical deviation notation (Top eye / Bottom eye)

(Uncovered measures - Diopters)

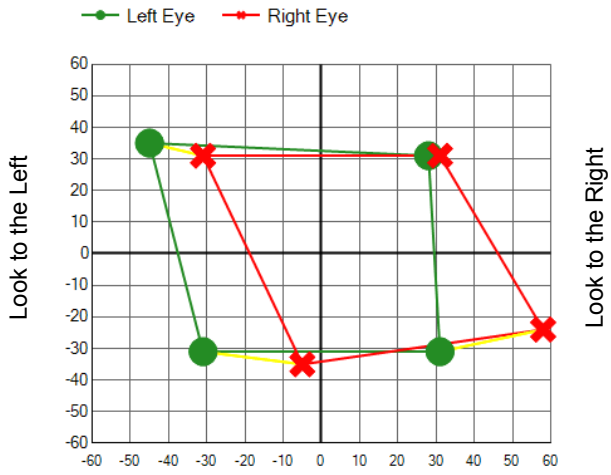
Alphabetic Syndromes



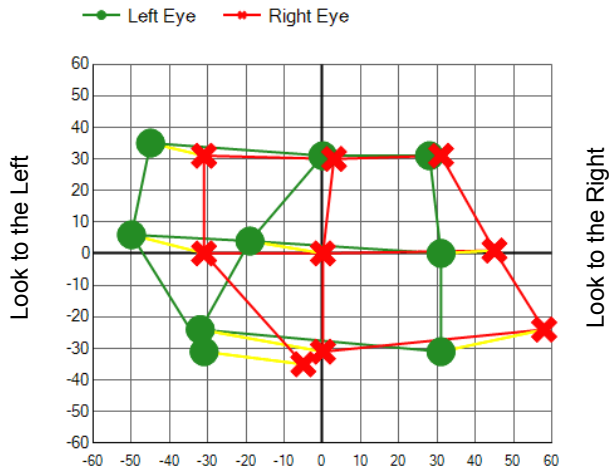
Ductions



Obliques



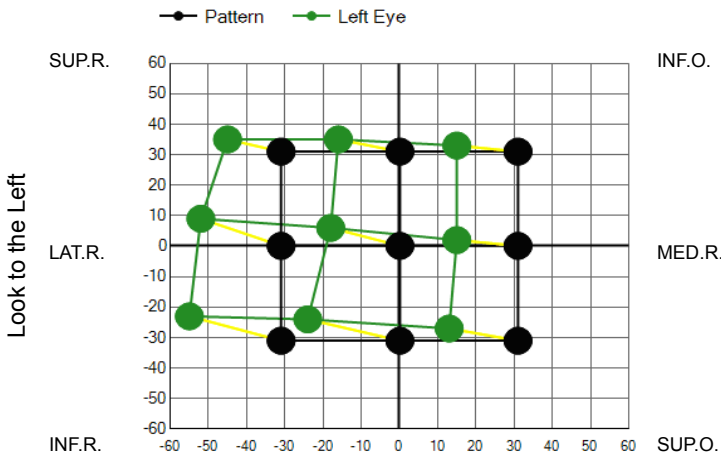
All Uncovered measures



(Covered measures - Diopters)

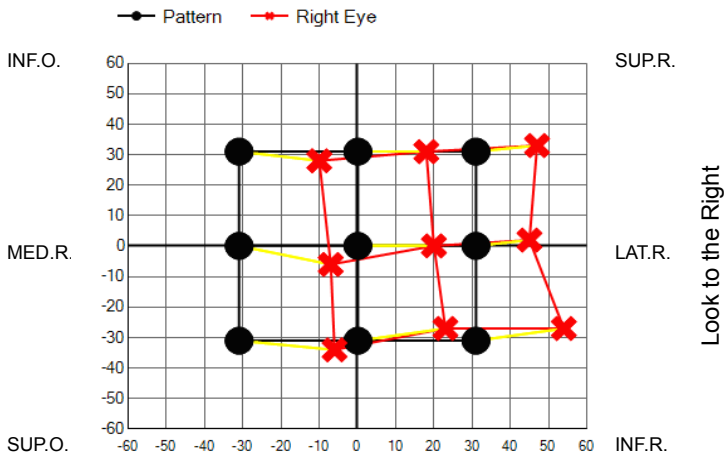
Left Eye

Left eye covered and right eye fixing the target point.



Right Eye

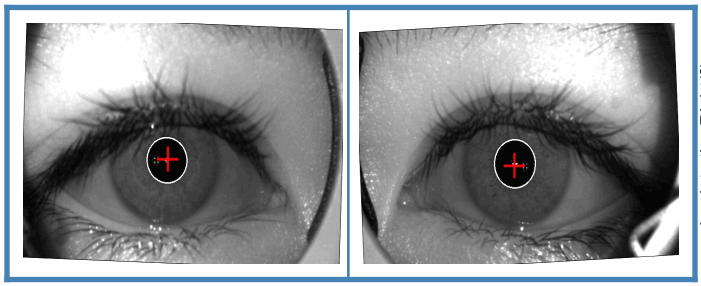
Right eye covered and left eye fixing the target point.



9 Gaze Positions Test

Patient id: 831108
Name: EMVEH 2
Exploration Date and Time: 19/03/2015 16:31:19 Accuracy: -

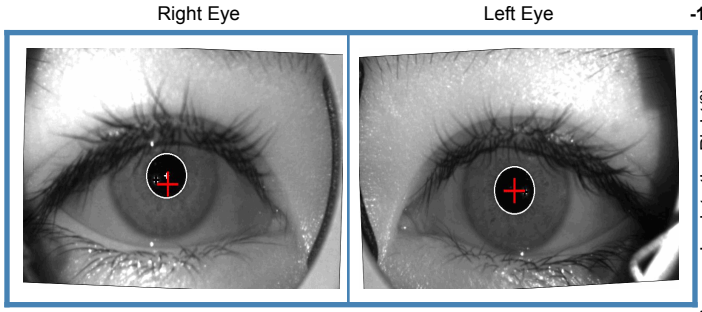
Both eyes uncovered



Both: -2±2 / 3 L/R ±2	Left Eye: -1±2 / 6 L/R ±2	Left Eye: -2±2 / 6 L/R ±2
Left Eye: -4±2 / 0±2	Left Eye: -1±2 / 4 L/R ±2	Both: -1±2 / 0±2
Right Eye: -4±3 / 5 L/R ±2	Right Eye: -2±2 / 6 R/L ±2	Left Eye: -4±2 / 8 R/L ±3

Look to the Right(°): 17 / -17 — Look to the Left(°): 17 / -17

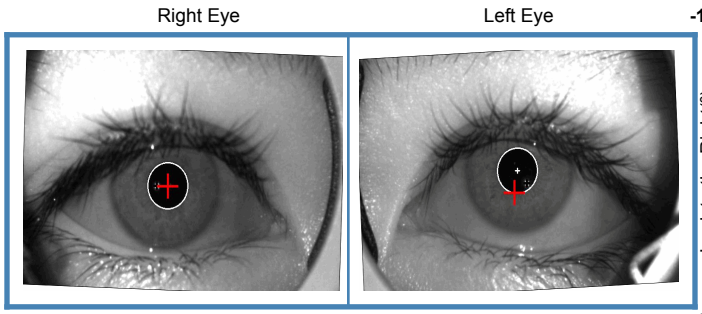
Right eye covered



Left Eye: 0±2 / 1 R/L ±2	Left Eye: -3±2 / 1 R/L ±2	Left Eye: -1±2 / 1 R/L ±2
Left Eye: -1±2 / 8 R/L ±2	Left Eye: -2±2 / 9 R/L ±2	Left Eye: -2±2 / 2 R/L ±2
Left Eye: -5±3 / 9 R/L ±2	Left Eye: -6±3 / 15 R/L ±3	Left Eye: -3±2 / 12 R/L ±3

Look to the Right(°): 17 / -17 — Look to the Left(°): 17 / -17

Left eye covered



Right Eye: 0±3 / 18 L/R ±3	Right Eye: 0±3 / 21 L/R ±3	Right Eye: -1±3 / 20 L/R ±3
Right Eye: -5±3 / 20 L/R ±3	Right Eye: -1±3 / 27 L/R ±3	Right Eye: -4±3 / 28 L/R ±3
Right Eye: -7±3 / 10 L/R ±2	Right Eye: -2±3 / 28 L/R ±3	Right Eye: -7±3 / 26 L/R ±3

Look to the Right(°): 17 / -17 — Look to the Left(°): 17 / -17

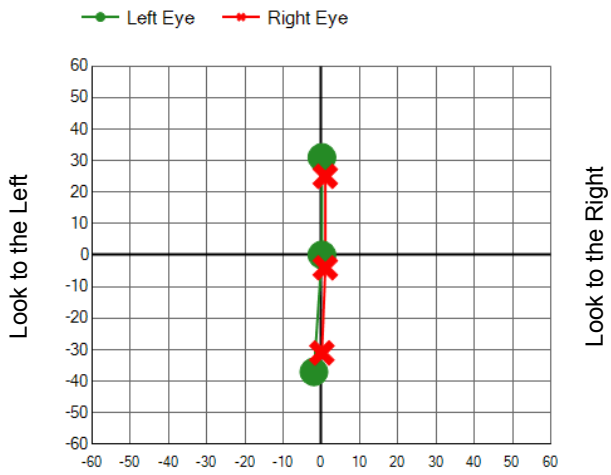
Proposed fixed eye	
Horizontal(Δ)	Vertical(Δ)

Horizontal deviation sign (+ Convergence, - Divergence)

Vertical deviation notation (Top eye / Bottom eye)

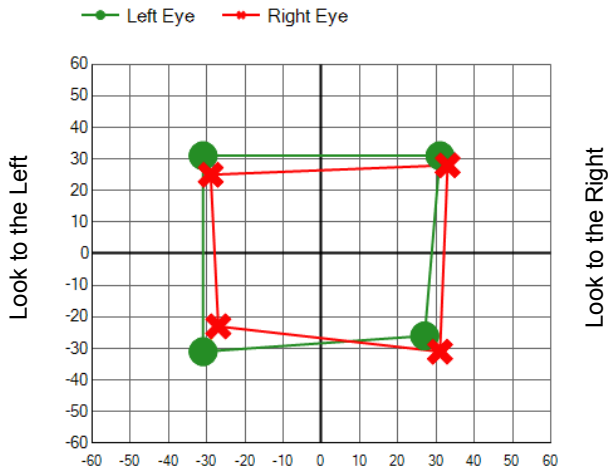
(Uncovered measures - Diopters)

Alphabetic Syndromes

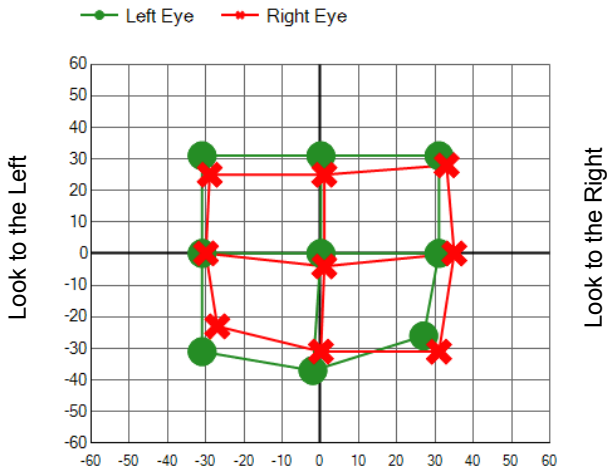


Ductions

Obliques



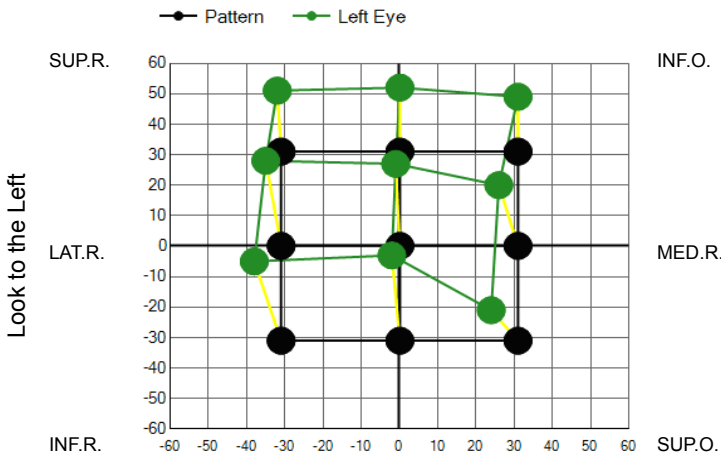
All Uncovered measures



(Covered measures - Diopters)

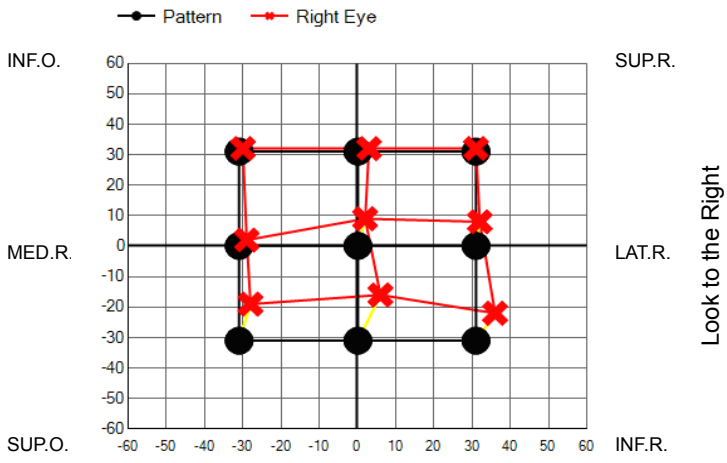
Left Eye

Left eye covered and right eye fixing the target point.



Right Eye

Right eye covered and left eye fixing the target point.



Nistagmaris

Register of Nystagmus

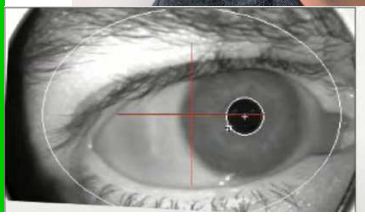
KIND OF NYSTAGMUS:

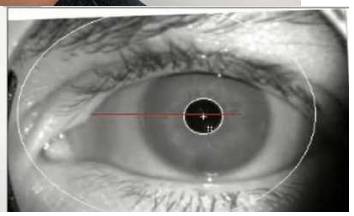
HORIZONTAL, VERTICAL, ROTATIONAL, LATENT, MANIFEST, DISSOCIATED, ALTERNATING, PENDULOUS, JERKING, NULL POINT

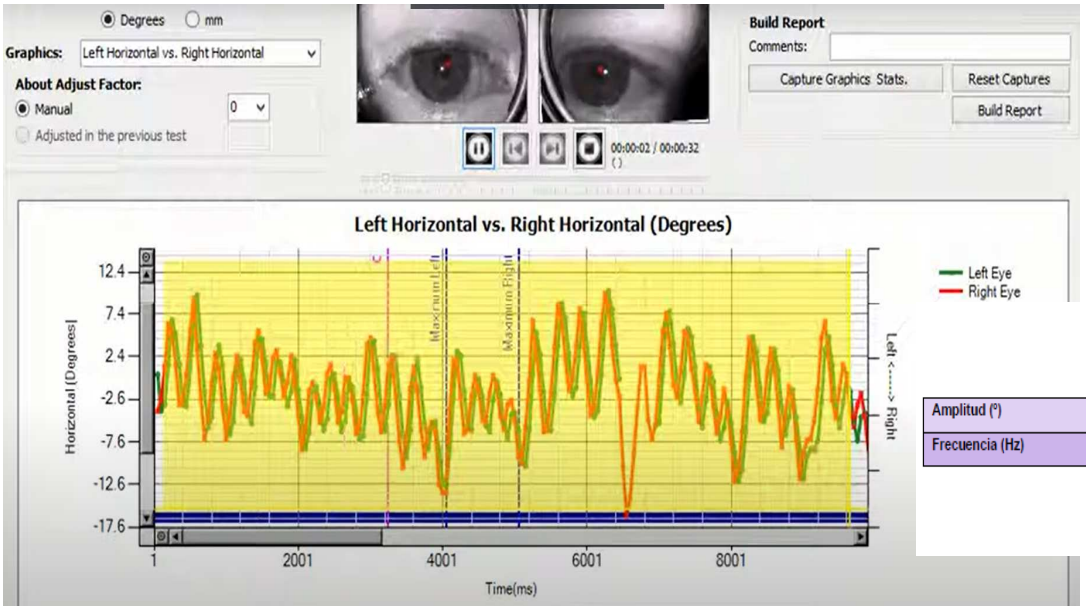
9 GAZE POSITION

Glasses equipped with 2 infrared cameras and an image recognition and eyetracking software for the measurement of ocular movements.

Amplitude, Frequency, Intensity, Pendulum/ Jerking, Slow/Fast Phase Speed/Maximum and Minimum parameters measured.







OBJECTIVE REPORTS

Mirada derecha	0.8 ± 2.1 MIN.	0.9 ± 1.4	1.5 ± 2.2	Mirada izquierda
	1.7 ± 0.8 MIN.	2.5 ± 1.1	5 ± 1 MAX.	
Amplitud (°)	1.1 ± 3.1	2.1 ± 2	1.1 ± 1.6	
Frecuencia (Hz)	4 ± 1.1	2.5 ± 0.5	2.2 ± 1	
	1.8 ± 2	1.4 ± 1.7	3.2 ± 1.7 MAX.	
	5 ± 1	2.9 ± 0.4	2.9 ± 0.4	

Contact: Oriol Prat: (+34) 619 525 610
email: oriol.prat@bcninnova.com
lluis.sola@bcninnova.com

bcn innova

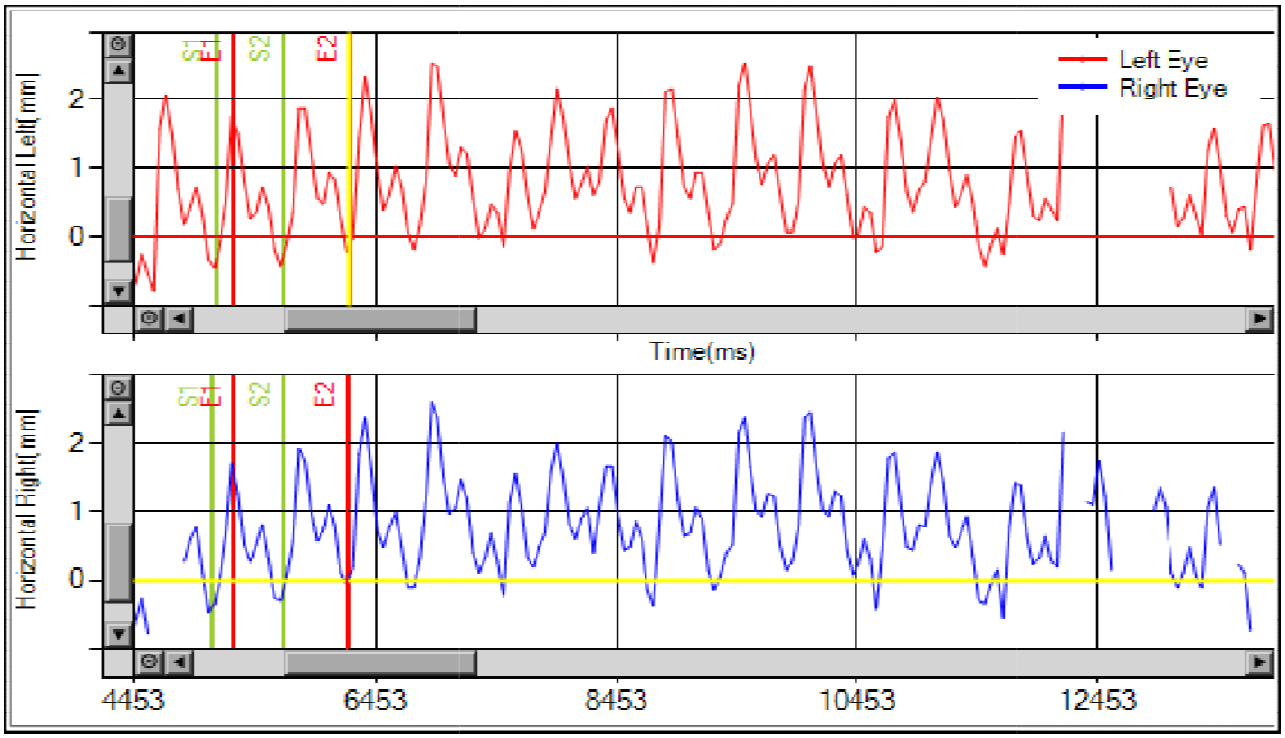
www.bcninnova.com

Nystagmus Manual Report

Name:	Luis Santiago
Sex:	Male
DOB:	08/06/2000

Exploration Date:	-		
Vis. Acuity & Refrac. Left:	-	Vis. Acuity & Refrac. Right:	-
Associated diseases:	-		
Exploration conditions:	Standard		

Graphics



Statistics: Right Eye

Graphic Mark:1
Time Start(ms)=5082 Time End(ms)= 5268 Dif Time(ms)=186
Magnitude Start=-0.47 Magnitude End=1.71 Dif Magnitude=2.18
Average Velocity (1/ms)=11.72

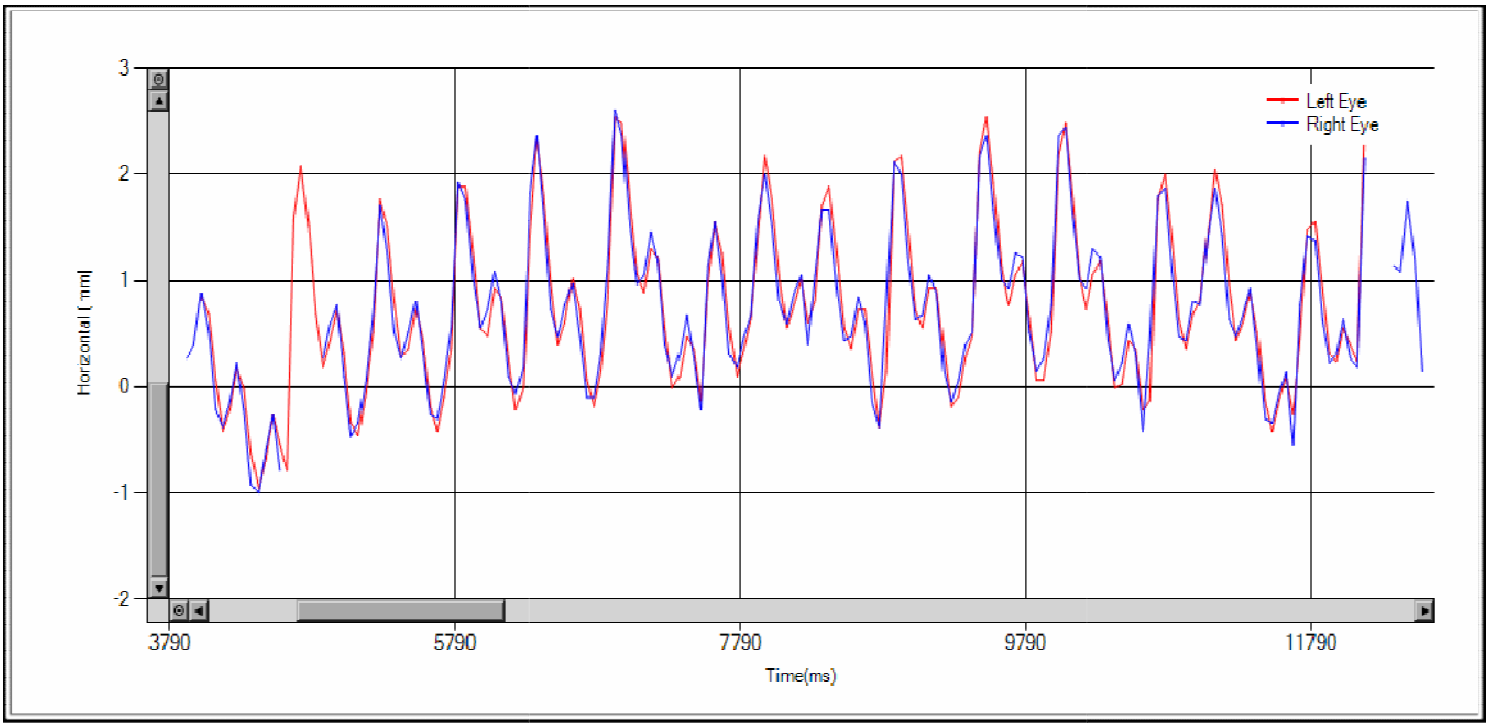
Graphic Mark:2
Time Start(ms)=5676 Time End(ms)= 6215 Dif Time(ms)=539
Magnitude Start=-0.3 Magnitude End=-0.06 Dif Magnitude=0.24
Average Velocity(1/ms)=0.45

Statistics: Left Eye

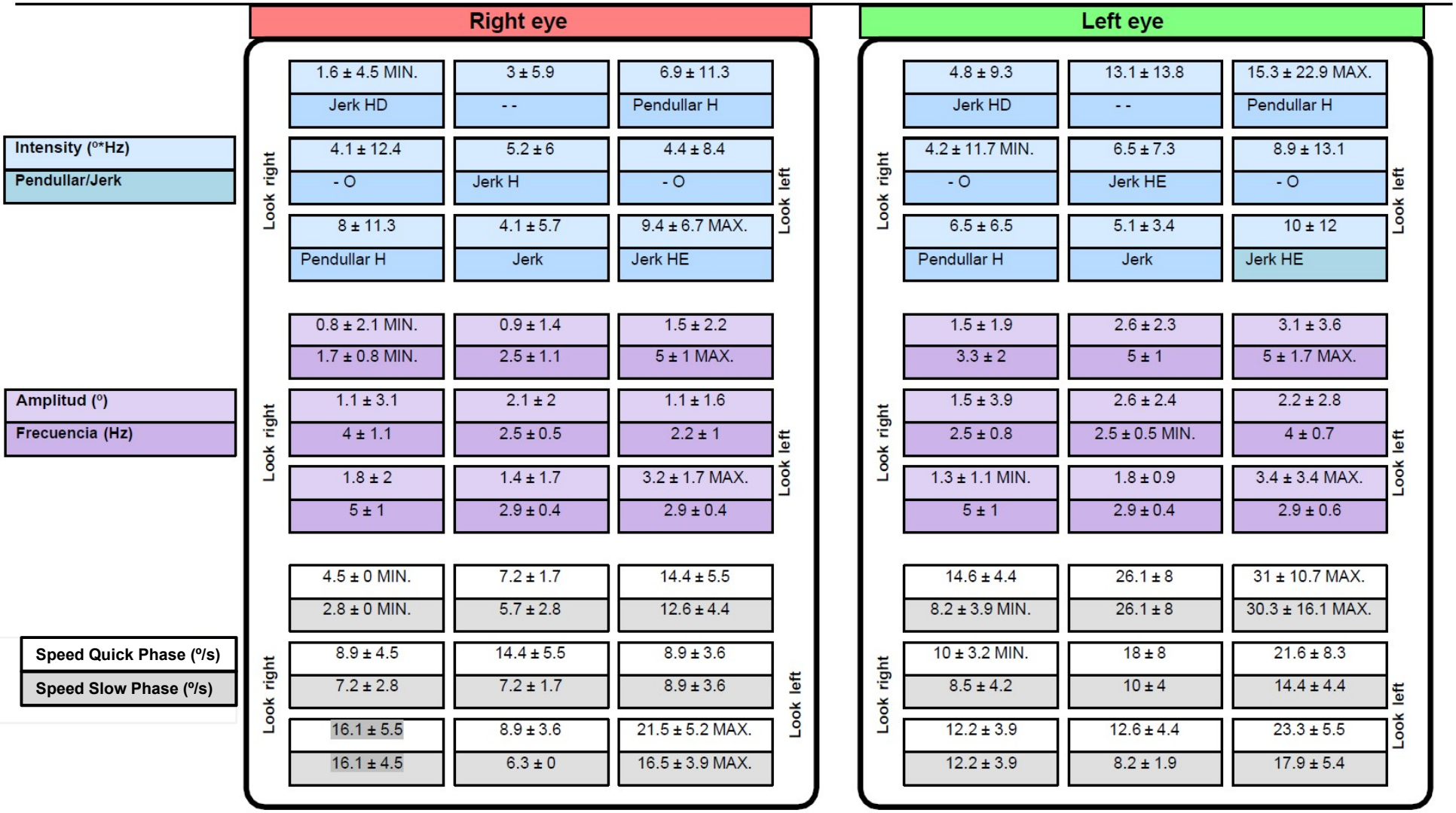
Graphic Mark:1
Time Start(ms)=5120 Time End(ms)= 5268 Dif Time(ms)=148
Magnitude Start=-0.46 Magnitude End=1.76 Dif Magnitude=2.22
Average Velocity(1/ms)=15

Graphic Mark:2
Time Start(ms)=5676 Time End(ms)= 6233 Dif Time(ms)=557
Magnitude Start=-0.42 Magnitude End=-0.22 Dif Magnitude=0.2
Average Velocity(1/ms)=0.36

Nystagmus Manual Report



Nystagmus 9 Gaze Position Report



Pupilaris

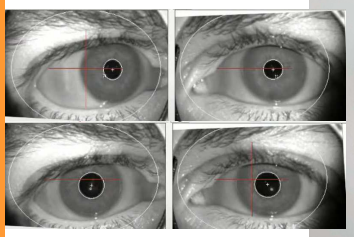
Dynamic pupil recording

PUPILLARY DYNAMICS

ALTERNATE REFLECTIONS AND AMBIENT LIGHT

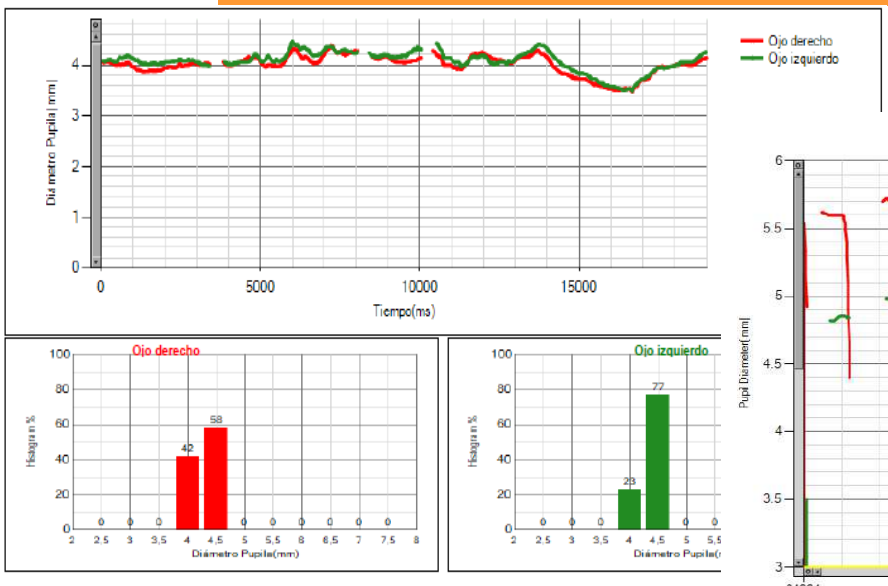
PUPIL ADIE
PUPILLARY DEFECT AFFERENT
MARCUS GUNN PHENOMENON
ANISOCORIA
III PAIR

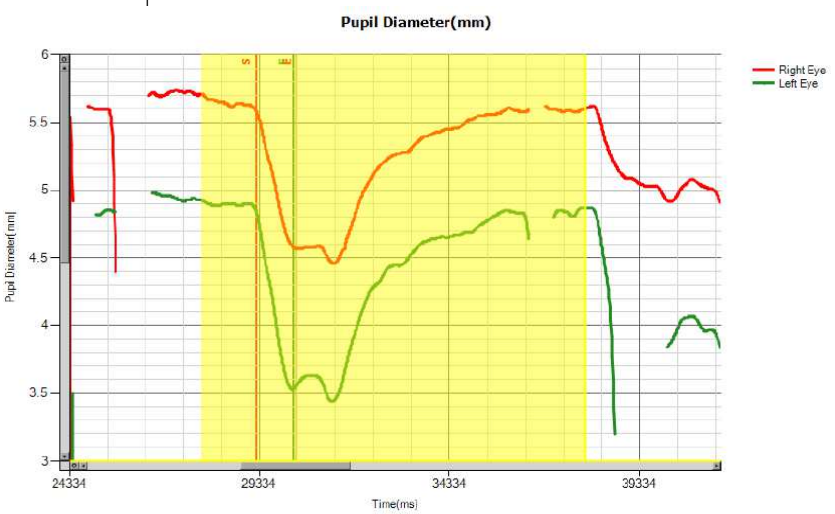
Glasses equipped with 2 infrared cameras with an image recognition and eyetracking software for the measurement of the pupillary diameter in any position and under visual stimulus.



* **EASY, QUICK AND RELIABLE**
* **BINOCULAR REGISTRATION**

OBJECTIVE REPORTS





Contact: Oriol Prat: (+34) 619 525 610

email: oriol.prat@bcninnova.com
lluis.sola@bcninnova.com

www.bcninnova.com

Ortoris

Ocular motility and Pupilography

HORIZONTAL AND VERTICAL STRABISMUS

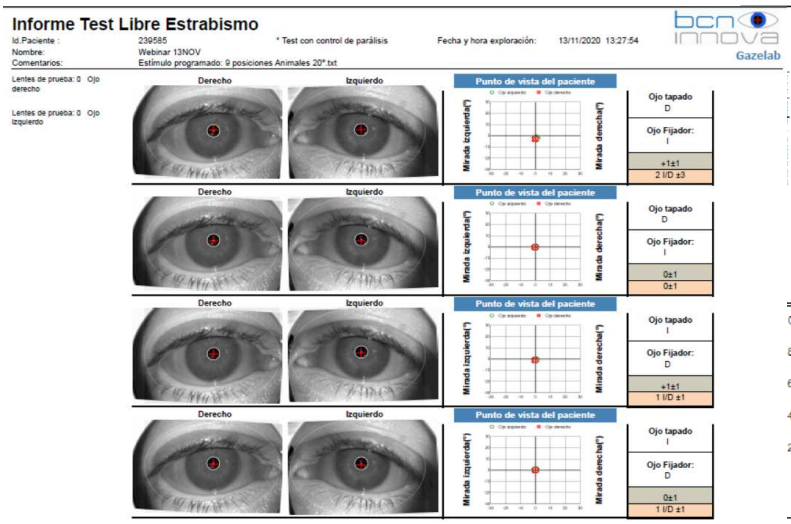
OCULOMOTOR PARALYSIS

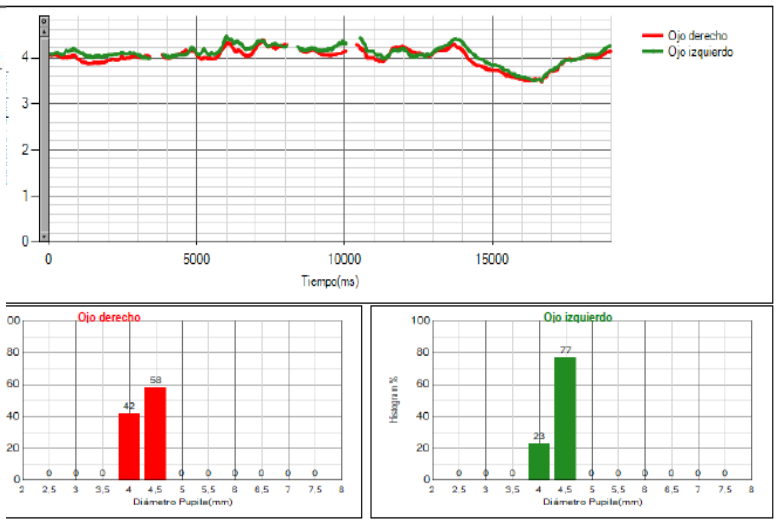
FORIAS

PUPILLOGRAPHY

Glasses equipped with 2 infrared cameras and an image recognition and eyetracking software, for the measurement of ocular deviation and papillary diameter range

OBJECTIVE REPORTS





Contact: Oriol Prat: (+34) 619 525 610
email: oriol.prat@bcninnova.com
lluis.sola@bcninnova.com

bcn innova

www.bcninnova.com

Binocularis

Ocular motility control

HORIZONTAL AND VERTICAL STRABISMUS

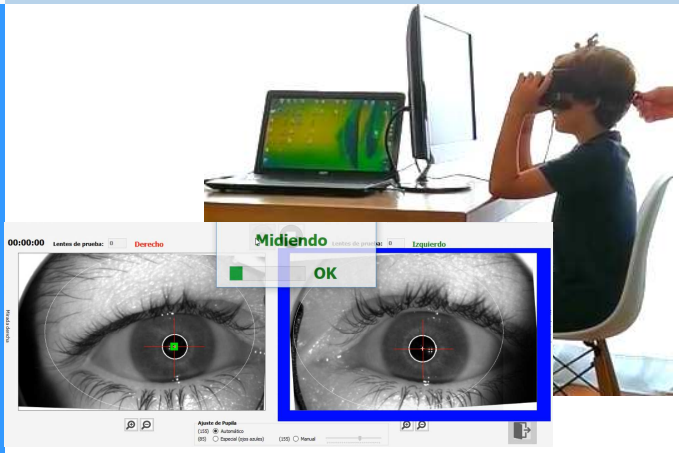
OCULOMOTOR PARALYSIS

FORIAS

READING

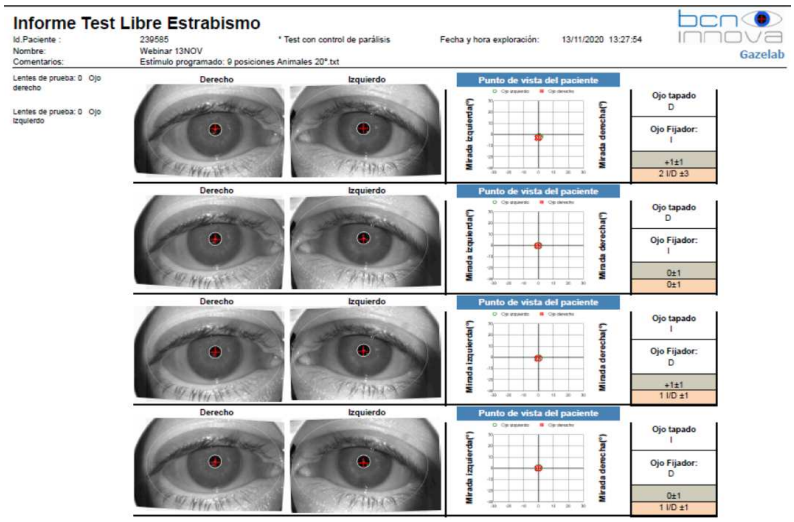
Glasses equipped with 2 infrared cameras and an image recognition and eyetracking software, for the measurement of ocular deviation in all positions of the gaze.

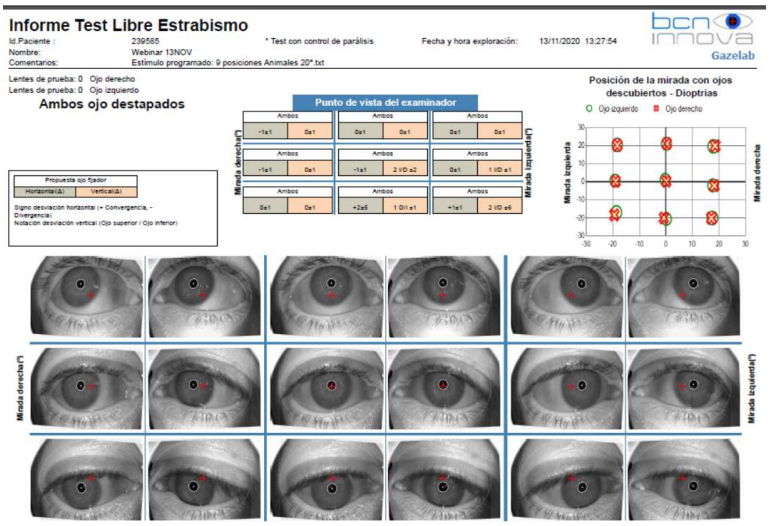
FORGET ABOUT PRISMS!!



- **EASY, QUICK, AND RELIABLE**
- **TEST WITH PATIENT'S GLASSES**
- **GRAPHICS, PHOTOS, PDF**

OBJECTIVE REPORTS





Contact: Oriol Prat: (+34) 619 525 610

email: oriol.prat@bcninnova.com
lluis.sola@bcninnova.com

www.bcninnova.com

Mentaris

Register saccadics and fixings

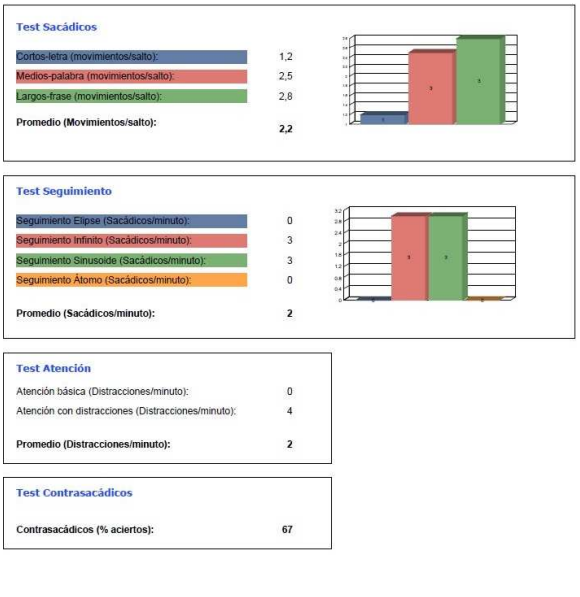
RECORDING EYE MOVEMENTS UNDER VISUAL STIMULI.

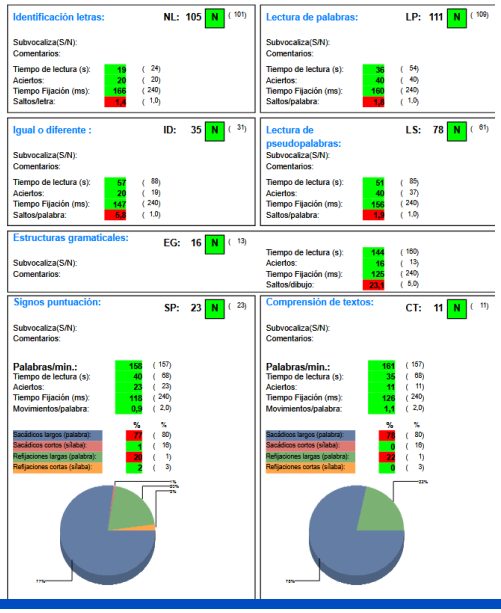
ADHD
AUTISM
ALZHEIMER'S
PARKINSON'S

Glasses equipped with 2 infrared cameras and an image recognition and eyetracking software for recording eye movement.

Records fixations, saccades and pursuits. Generate heat maps

OBJECTIVE REPORTS





Contact: Oriol Prat: (+34) 619 525 610
email: oriol.prat@bcninnova.com
lluis.sola@bcninnova.com

www.bcninnova.com

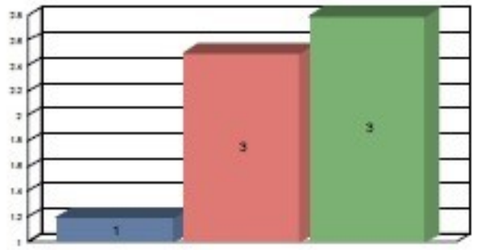
Test Salud Mental

Id.Paciente :	235780956		
Nombre:	JBP Arag		
Sexo:	Masculino	Edad:	21.3
Fecha Nacimiento:	01/01/2000 00:00:00		
Fecha Exploración:	17/05/2021 12:49:35		
Comentarios:	Estímulo programado: MentalNEW.txt		

bcn innova
Fox Land Vision

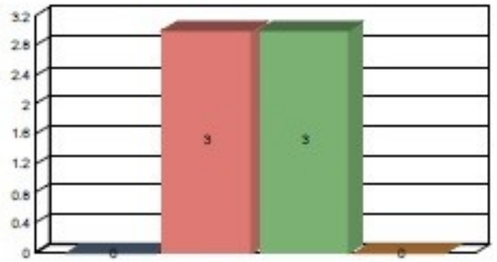
Test Sacádicos

Cortos-letra (movimientos/salto):	1,2
Medios-palabra (movimientos/salto):	2,5
Largos-frase (movimientos/salto):	2,8
Promedio (Movimientos/salto):	**2,2**



Test Seguimiento

Seguimiento Elipse (Sacádicos/minuto):	0
Seguimiento Infinito (Sacádicos/minuto):	3
Seguimiento Sinusoide (Sacádicos/minuto):	3
Seguimiento Átomo (Sacádicos/minuto):	0
Promedio (Sacádicos/minuto):	**2**



Test Atención

Atención básica (Distracciones/minuto):	0
Atención con distracciones (Distracciones/minuto):	4
Promedio (Distracciones/minuto):	**2**

Test Contrasacádicos

Contrasacádicos (% aciertos):	**67**

DISTRIBUTORE ESCLUSIVO PER L'ITALIA

SIR Oftalmica Srl

Via Torriani 19/C

22100 - COMO

Tel. : 031-570869

info@siroftalmica.com

www.siroftalmica.com

P.IVA : 01814920136

Contatti specialists:

A. Molteni: 328.1808176

L. Ronchi: 335.6167324

SIR oftalmica

FERRI CHIRURGICI – PRODOTTI MONOUSO
APPARECCHIATURE DI DIAGNOSTICA E TRATTAMENTO
LETTINI E SEDIE CHIRURGICHE - RIUNITI