

EYE TRACKING BASED VISION ASSESSMENT





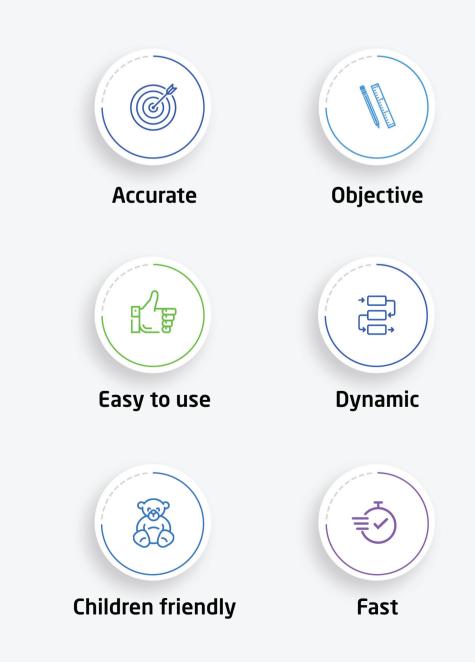
1 Hayarden St., P.O.B. 1067 Airport City 7019801, Israel +972 3 6422868 | info@nova-sight.com | www<u>.nova-sight.com</u>

ABOUT EyeSwift®PRO



Accurate vision assessment at the earliest age is imperative for proper eyesight development

- The EyeSwift^{®Pro} is a quick, accurate, and affordable visual assessment system based on advanced eye-tracking technology, to be used by any trained individual.
- The system incorporates test glasses active and passive - in order to automatically control the content seen by each eye, and to allow for automatic occlusion.
- Designed both for pediatric and adult patients, the EyeSwift^{®Pro} requires minimal patient cooperation – patients simply watch



fun short, animated videos.

- No language or verbal skills are required for most of the tests, so even very young children can be tested.
- The EyeSwift^{®Pro} delivers quantitative assessment of multiple vision deficits.



AN EYE TRACKING BASED VISION ASSESSMENT

- The EyeSwift®PRO tests are grouped into automated 'protocols' by category (such as amblyopia monitoring, binocular vision, digital strain, reading, etc).
- Each protocol performs the relevant tests, and outputs a clear report which can be easily understood by the operator, as well as by the patient or parent.

COMPREHENSIVE VISION TESTS





EyeSwift®PRO PROTOCOL OUTPUT

AMBLYOPIA MONITORING

- Comprehensive amblyopia monitoring
- Synergetic to CureSight[™]
- Amblyopia risk factors
- Eye deviation (tropia and phoria)
- Automated visual acuity with distance simulation
- Fixation stability
- Stereoacuity
- Suppression (W4D)

BINOCULAR VISION

- Eye deviation (tropia and phoria)
- Ocular motility
- Fixation stability
- Treatment & lenses recommendation
- Monitoring over time

DIGITAL STRAIN

- Deficient vision at screen distance
- Latent deviation (phoria)
- Blinking rate and duration as indicators for dry eye
- Lenses recommendation

PEDIATRIC OPHTHALMOLOGY

- Nystagmus
- Eye deviation (tropia and phoria)
- Automated visual acuity and contrast sensitivity

MYOPIA MONITORING

- Automated visual acuity with distance simulation
- Eye deviation (tropia and phoria)
- Recommendation for myopia control

- Presentation of results acc. to age norms
- Recommendations for further investigation

VISUAL HEALTH

- Contrast sensitivity
- Automated fixation stability
- Ocular motility

READING ANALYSIS

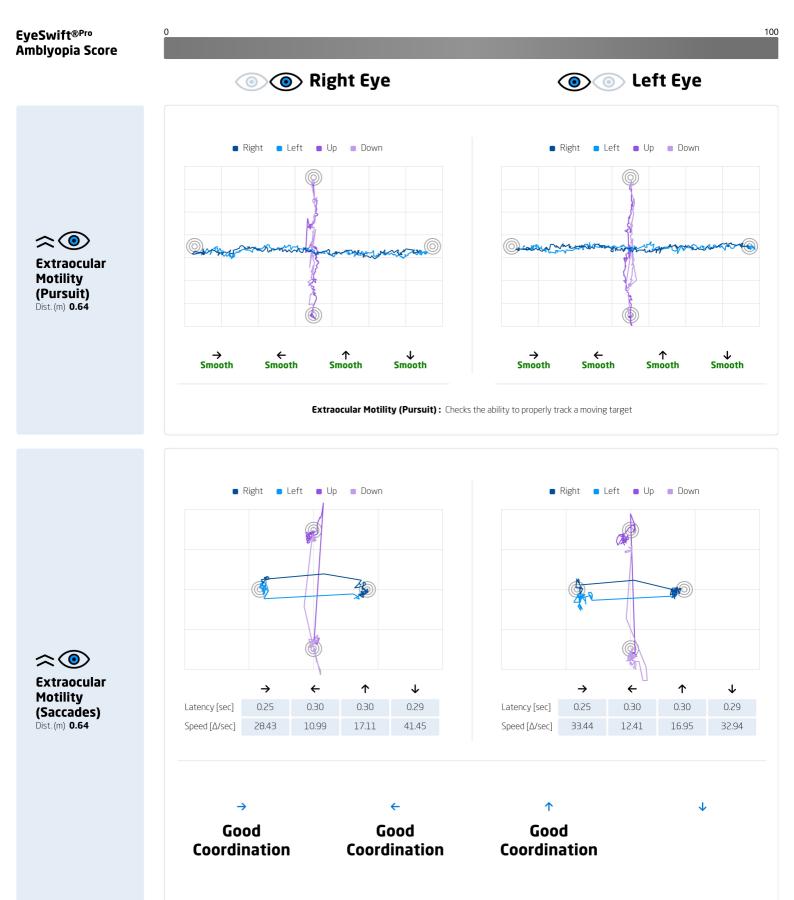
- Presentation of results acc. to language and age-related norms
- Reading ability progression over time
- Differentiation between ocular and non-ocular causes for deficient reading
- Recommendations for further investigation

CE 2797 EyeSwift^{®PRO} device is CE marked in accordance with EU Medical Device Regulation 2017/745 Caution: The EyeSwift^{®PRO} system is an Investigational Device, Limited By Federal (Or United States) Law To Investigational Use. NS-00886-R01. Errors and omissions excepted - Final specifications may differ.



EyeSwift ^{®PR0} Test Date: 04/09/2022 Name: ID:	Page: 1 /3	۲	Tes	ted By Admin
Patient's Information Last refraction Name ID Number Birth Date Last refraction 11/01/1988 11/01/1988 Last refraction	SPH OD OS	CYL	Axis	ADD

Amblyopia Monitoring



Extraocular Motility (Saccades): Checks the reaction, speed and accuracy of the response towards objects appearing at different points. DISCLAIMER: The EyeSwift® Pro System is designed to provide information based on involuntary eye movements for general health and wellness. The EyeSwift® Pro System cannot replace your evaluation. Nor can the EyeSwift® Pro be used to provide an uninterpreted diagnosis or direct treatment recommendations.



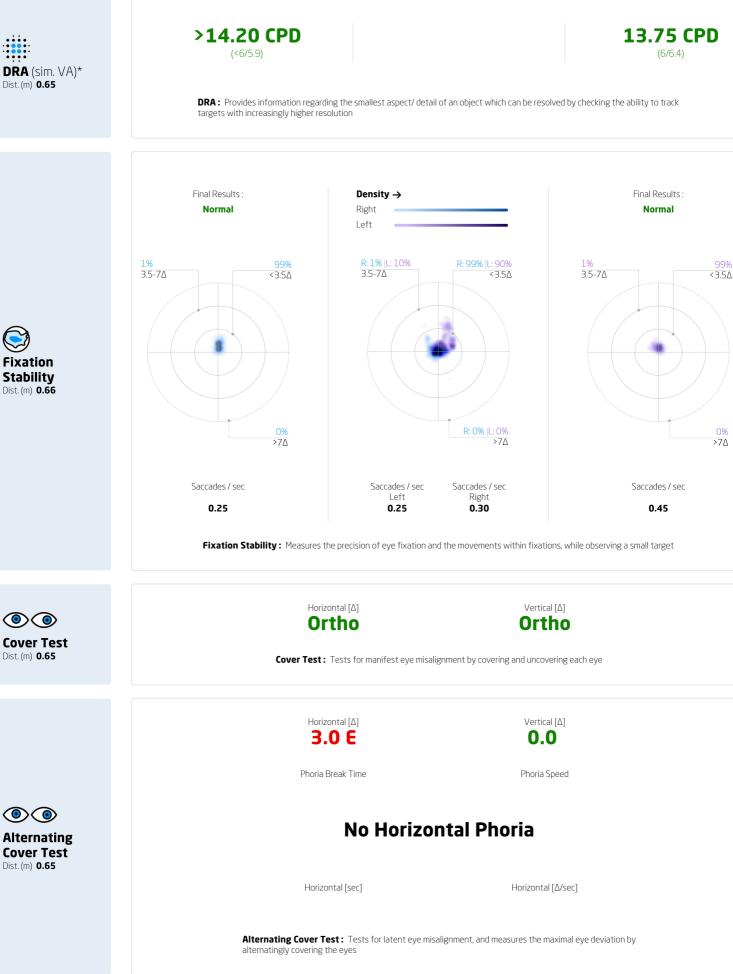


99%

N%

>7∆

DRA (sim. VA)* Dist. (m) 0.65

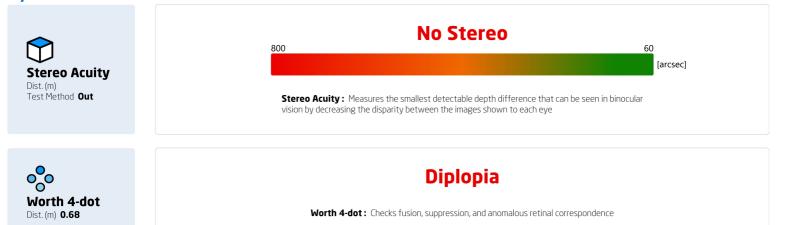


DISCLAIMER: The EyeSwift® Pro System is designed to provide information based on involuntary eye movements for general health and wellness. The EyeSwift® Pro System cannot replace your evaluation. Nor can the EyeSwift® Pro be used to provide an uninterpreted diagnosis or direct treatment recommendations.

Page: **3**/3

 \odot

Tested By **Admin**



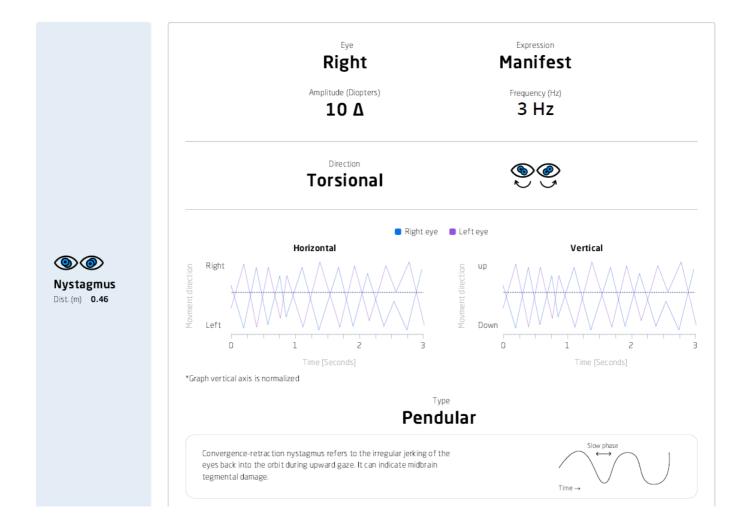
DRA - Dynamic Resolution Acuity | sim. VA - Simulated Visual Acuity

▲ Warnings

Note

Approved By

DISCLAIMER: The EyeSwift® Pro System is designed to provide information based on involuntary eye movements for general health and wellness. The EyeSwift® Pro System cannot replace your evaluation. Nor can the EyeSwift® Pro be used to provide an uninterpreted diagnosis or direct treatment recommendations.



EyeSwift^{®PRO} Reading Analysis

Age based reading test for assessing fixations, regressions and rate of reading in any language and age

Normal

SC

CC Fixations 83 Regressions 6 (7 %) Fixation Duration 0.247 sec Reading rate(words/min) 180 *(> 90th percentile)* Reading Grade: Text Level 2 0-8 years

> Animals make different types of homes. An animal might-live in a tree, a hole, or a cave. A squirrel lives in a tree. Squirrels like to cat nuts. Under the trees, squirrels find nuts. A gopher lives in a hole. Gophers like to dig. Deep-under the ground, gophers dig tunnels. A bear lives in a cave. Bears like to sleep during the day and hunt at night. During the day, most bears hide in their caves.

Reading Abnormal Fixations 124 Regressions 29 (23 %) Fixation Duration 0.352 sec Reading rate(words/min) 45 (> 10th percentile) Reading Grade: Text Level 2 0-8 years Animals make different types of homes. At animal might live in a tree, a hole, or a cave. auirrel lives in atree. Squirrels like to eat nu Under the trees, squirrels find nuts. A gopher lives in a hole. Gophers like to dig. Deep under the ground, gophers dig tunnels. A bear lives in a cave. Bears like to sleep during the day and hunt at night. During the day, most bears hide in their caves.