



Seeing is Believing

PATIENTS



DOCTORS

# About Us

## First commercialized eye-tracking system for optometrists

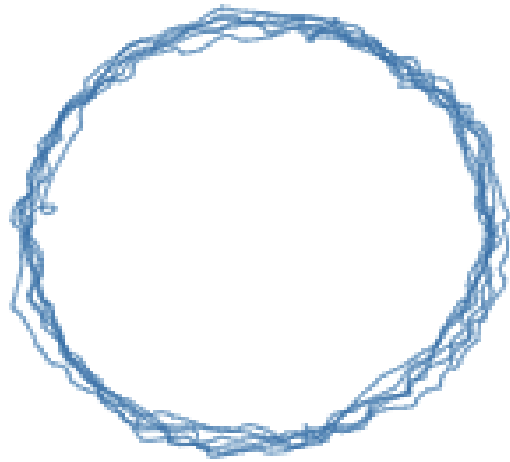
- FDA cleared (October 2018)
- 400+ customers
- 103,000+ patient tests delivered

Enables new, quick-to-deliver and profitable services



# Brain Health

Functional

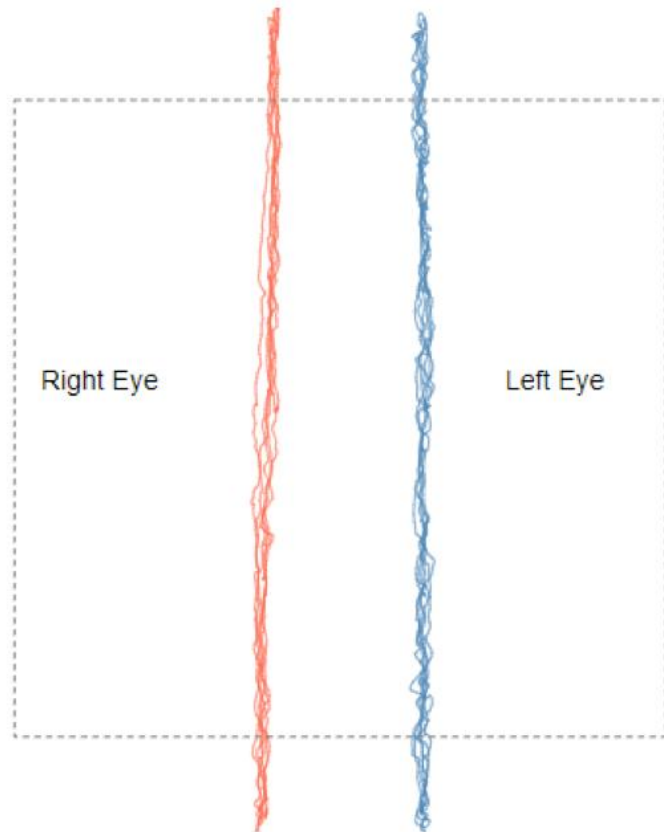


Dysfunctional

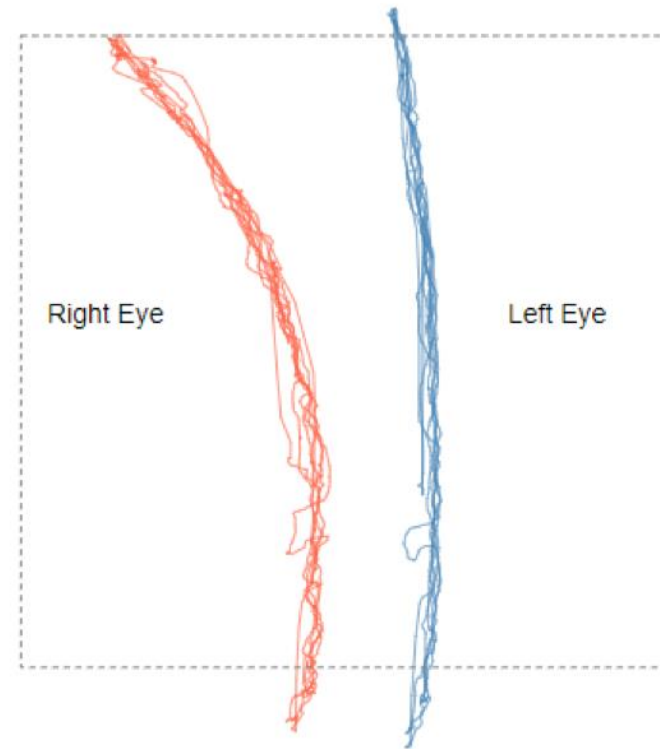


# Functional Vision

Functional



Dysfunctional



# Reading

## Functional

Measuring temperature is a way of determining whether one thing is warmer or colder than something else. When two objects are in contact, heat from the warmer one will flow into the cooler one until both are the same temperature. Temperature is the result of the activity of the atoms in an object or within a space. The greater the activity of the atoms, the higher the temperature. While there is no known maximum temperature, there is a minimum. If there is no movement to the atoms, the object has reached a temperature of absolute zero. Nothing can get colder than this. Scientists have tried to reach absolute zero but without success, getting only to within one-thousandth of a degree of absolute zero. One problem with such low temperatures is how to measure them, especially since everything freezes before reaching absolute zero. Magnets currently provide the most accurate way of measuring super-cold temperatures.

## Dysfunctional

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# RightEye is the difference maker



**Functional Vision**



**Reading**



**Sports Vision**




**Brain Health**



# Reading EyeQ


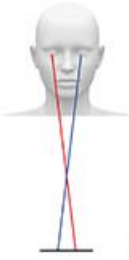
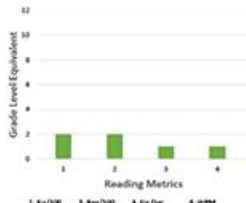
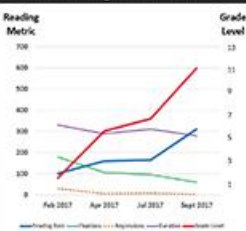
Uncover reading issues before they become lifelong problems.





Reading EyeQ™

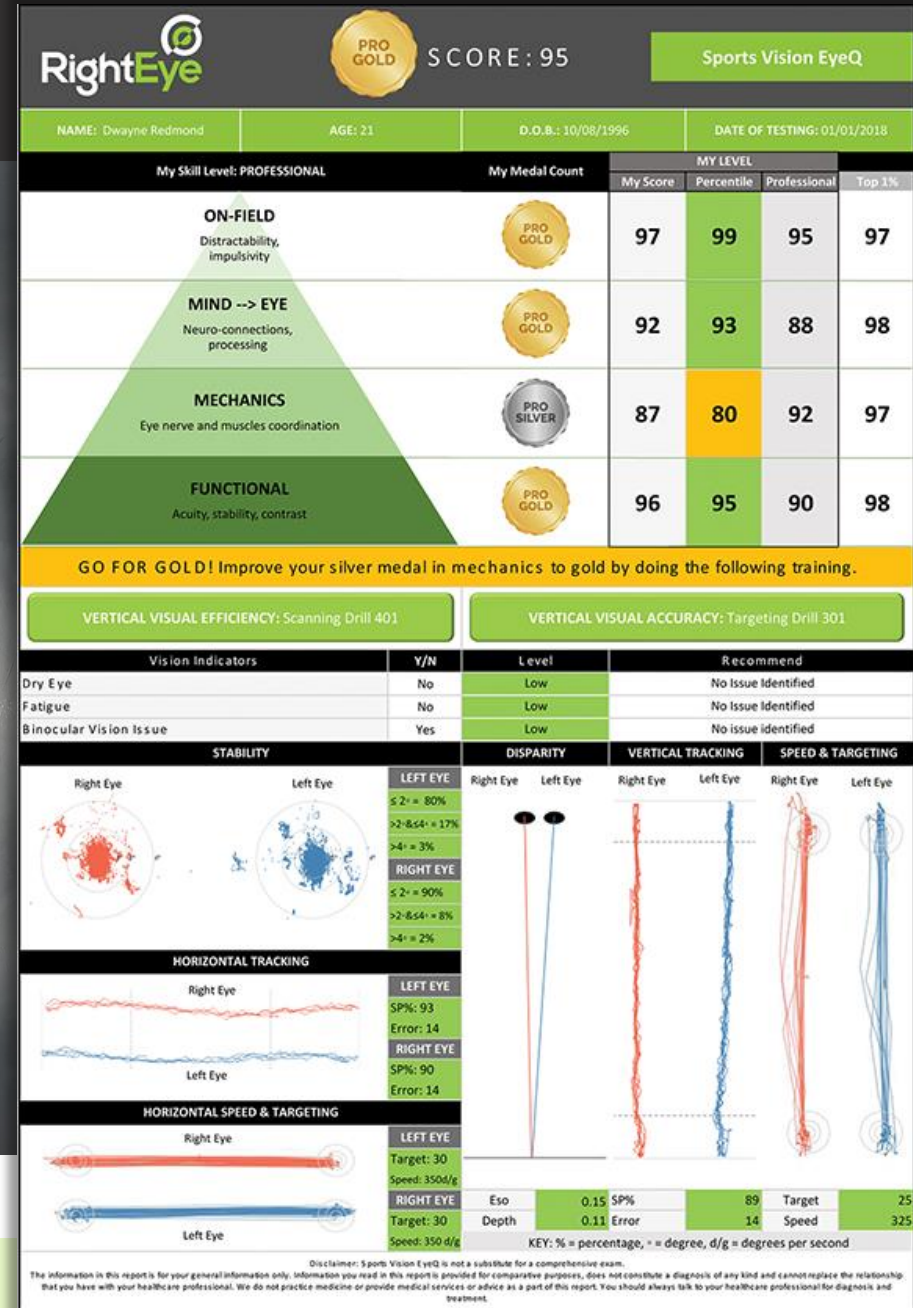
Name: Smith, Joe

Head Movement		Grade Level Equivalent																																																																	
 <p style="text-align: right; margin-right: 10px;">8%</p>		1.3																																																																	
<p style="margin: 0;">Age: 7 years, 6 months</p> <p style="margin: 0;">Title = The Cat</p> <p style="margin: 0;">Grade level of text read = 1.0</p>																																																																			
<p style="margin: 0;">Vergence</p>  <p style="text-align: right; margin-right: 10px;">Average: eso 5.5</p>		<p>Jan had a cat that seemed to sleep all the time. Jan wanted a kitten that would play with her. Her mother said that Jan could not have a kitten as long as she had a cat. One morning, Jan thought she heard a kitten. She looked and looked for it. Finally she found a surprise under her bed. Her cat had had five gray kittens. Her wish had come true.</p>																																																																	
<p style="margin: 0;">Reading Profile</p> 		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #333; color: white;"> <th colspan="2">READING RESULTS</th> <th colspan="2">METRICS</th> </tr> </thead> <tbody> <tr> <td colspan="2">Lines to analyze : Lines Found in Text</td> <td colspan="2" style="text-align: center;">10:10</td> </tr> <tr> <td colspan="2">Recording Time</td> <td colspan="2" style="text-align: center;">1/20/2018 14:12</td> </tr> <tr> <td colspan="2">Analysis Reliability</td> <td colspan="2" style="text-align: center;">95%</td> </tr> <tr style="background-color: #333; color: white;"> <th>VISION INDICATORS</th> <th>Y/N</th> <th>LEVEL</th> <th>RECOMMEND</th> </tr> <tr> <td>Dry Eye</td> <td style="text-align: center;">No</td> <td style="background-color: #76b82a; color: white;">Low</td> <td>No issue identified</td> </tr> <tr> <td>Fatigue</td> <td style="text-align: center;">No</td> <td style="background-color: #76b82a; color: white;">Low</td> <td>No issue identified</td> </tr> <tr> <td>Binocular Vision Issue</td> <td style="text-align: center;">Yes</td> <td style="background-color: #e74c3c; color: white;">High</td> <td>RightEye Everyday Vision EyeQ</td> </tr> <tr style="background-color: #333; color: white;"> <th colspan="2">READING METRICS</th> <th>MY EYES</th> <th>GRADE AVERAGE</th> </tr> <tr> <td>Fixations/100 words (#)</td> <td></td> <td style="text-align: center;">177</td> <td style="text-align: center;">90</td> </tr> <tr> <td>Regressions/100 words (#)</td> <td></td> <td style="text-align: center;">41</td> <td style="text-align: center;">15</td> </tr> <tr> <td>Average Fixation Duration (sec)</td> <td></td> <td style="text-align: center;">0.4</td> <td style="text-align: center;">0.24</td> </tr> <tr> <td>Reading Rate (words/min; #)</td> <td></td> <td style="text-align: center;">83</td> <td style="text-align: center;">280</td> </tr> <tr> <td>Regression/Fixation Ratio (%)</td> <td></td> <td style="text-align: center;">23</td> <td style="text-align: center;">17</td> </tr> <tr> <td>Correct Comprehension Answers (%)</td> <td></td> <td style="text-align: center;">90</td> <td style="text-align: center;">70+</td> </tr> <tr> <td>Disparity Between Eyes (mm)</td> <td></td> <td style="text-align: center;">25</td> <td style="text-align: center;">5</td> </tr> </tbody> </table>		READING RESULTS		METRICS		Lines to analyze : Lines Found in Text		10:10		Recording Time		1/20/2018 14:12		Analysis Reliability		95%		VISION INDICATORS	Y/N	LEVEL	RECOMMEND	Dry Eye	No	Low	No issue identified	Fatigue	No	Low	No issue identified	Binocular Vision Issue	Yes	High	RightEye Everyday Vision EyeQ	READING METRICS		MY EYES	GRADE AVERAGE	Fixations/100 words (#)		177	90	Regressions/100 words (#)		41	15	Average Fixation Duration (sec)		0.4	0.24	Reading Rate (words/min; #)		83	280	Regression/Fixation Ratio (%)		23	17	Correct Comprehension Answers (%)		90	70+	Disparity Between Eyes (mm)		25	5
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**DISCLAIMER:** The RightEye Reading EyeQ test is not a substitute for a comprehensive eye exam. The information in this report is for your general educational information only. Information you read in this report is provided for comparative purposes, does not constitute a diagnosis of any kind and cannot replace the relationship that you have with your healthcare professional. We do not practice medicine or provide medical services or advice as a part of this report. You should always talk to your healthcare professional for diagnosis and treatment.

# Sports Vision EyeQ

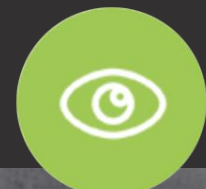
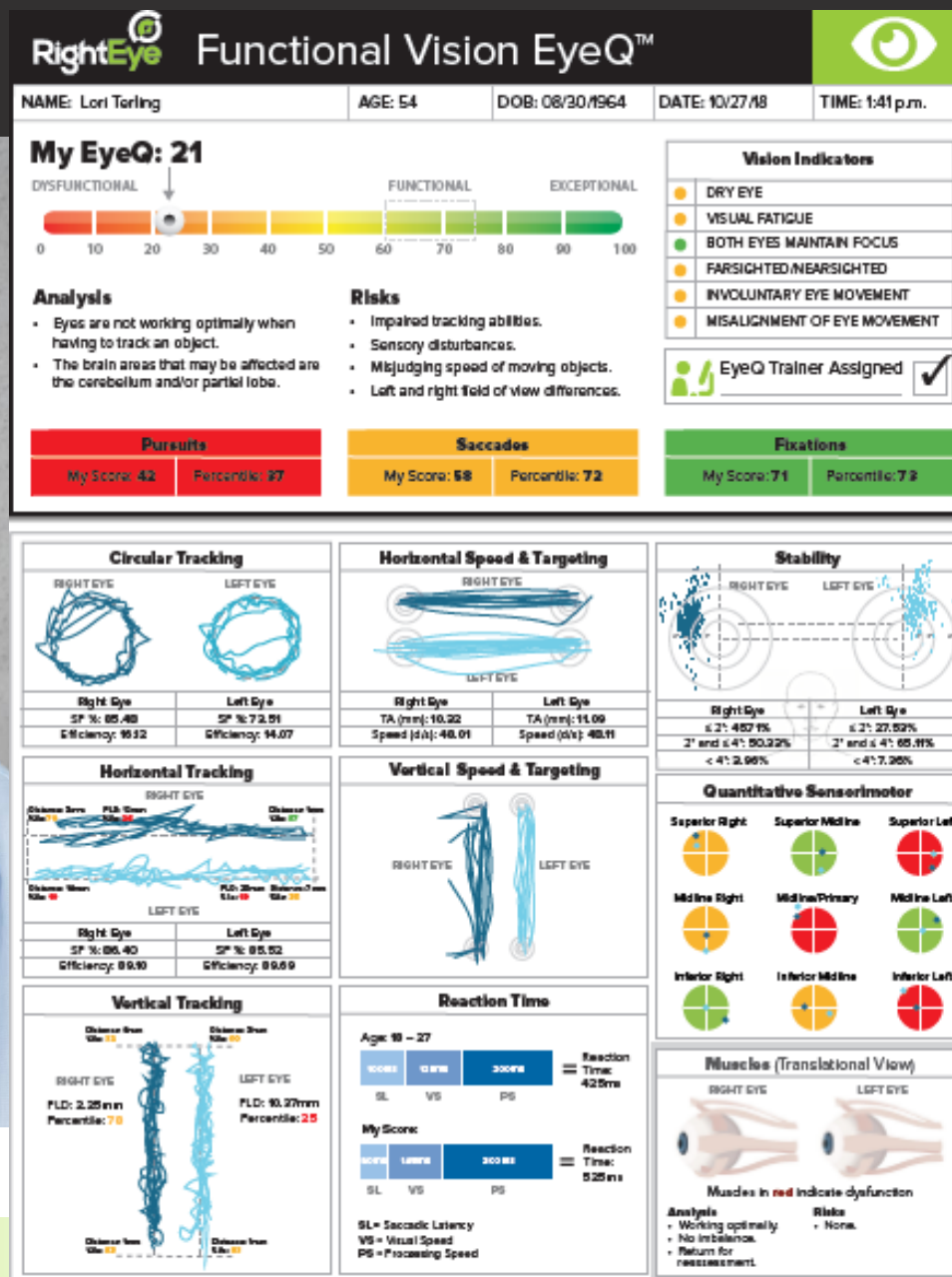
Help high school, college and elite athletes get to the next level.





# Functional Vision EyeQ

Change lives with a 5-minute test and computer-based treatment program.



# Brain Health EyeQ

Quantify vision issues that result from concussion or other neurological conditions.



Brain Health EyeQ™

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NAME: Lori Terling
AGE: 54
DOB: 08/30/1964
DATE: 10/27/18
TIME: 1:41 p.m.

### My EyeQ: 51

DYSFUNCTIONAL      FUNCTIONAL      EXCEPTIONAL

#### Analysis

- Eyes are not working optimally when having to track an object.
- The brain areas that may be affected are the cerebellum and/or partial lobe.

#### Risks

- Impaired tracking abilities.
- Sensory disturbances.
- Misjudging speed of moving objects.
- Left and right field of view differences.

EyeQ Trainer Assigned

**Pursuits**  
 My Score: **42**    Percentile: **37**

**Saccades**  
 My Score: **58**    Percentile: **72**

**Fixations**  
 My Score: **71**    Percentile: **73**

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#### Circular Tracking

RIGHT EYE

SP %: 85.48  
Efficiency: 16.12

LEFT EYE

SP %: 73.51  
Efficiency: 14.07

#### Horizontal Speed & Targeting

RIGHT EYE

TA (mm): 10.32  
Speed (d/s): 48.01

LEFT EYE

TA (mm): 11.09  
Speed (d/s): 48.11

#### Stability

RIGHT EYE

≤ 2

LEFT EYE

≤ 2

#### Horizontal Tracking

RIGHT EYE

SP %: 86.40  
Efficiency: 89.10

LEFT EYE

SP %: 85.52  
Efficiency: 89.69

#### Vertical Speed & Targeting

RIGHT EYE

PLD: 2.25mm  
Percentile: 78

LEFT EYE

PLD: 10.37mm  
Percentile: 25

#### Nerves (Translational View)

RIGHT EYE

LEFT EYE

Nerves in red indicate dysfunction

**Analysis**

- Looking down right eye moves outward.
- A-pattern exotropia.
- Imbalanced muscles.

**Risks**

- Headache, dizziness, sleep problems, light & sound sensitivity.
- Falling, fatigue, impaired focus.

#### Vertical Tracking

RIGHT EYE

PLD: 2.25mm  
Percentile: 78

LEFT EYE

PLD: 10.37mm  
Percentile: 25

#### Reaction Time

Ago: 18 - 27

100ms

125ms

200ms

SL VS PS = Reaction Time: 425ms

80ms

145ms

300ms

SL VS PS = Reaction Time: 525ms

SL = Saccadic Latency  
VS = Visual Speed  
PS = Processing Speed

#### Muscles (Translational View)

RIGHT EYE

LEFT EYE

Muscles in red indicate dysfunction

**Analysis**

- Working optimally.
- No imbalance.
- Return for reassessment.

**Risks**

- None.



# Case Study: Visually Displaying Baseline-Objectively Tracking Results

## PROFILE

14 Year Old Gymnast

No refractive error

Status post-concussion,  
falling from beam

No improvement per  
neurologist

Struggling in school/life.

December 6, 2017

March 15, 2018

### Choice Reaction Time

Suggested training includes targeting different objects each one requiring a different response

Metrics	My Eyes	Population
		Age 9-16
Saccadic Latency (ms)	262 (231-318)	288
Visual Reaction Speed (ms)	54	145
Processing Speed (ms)	642	581
Reaction Time (ms)	959	1014
Response Accuracy (%)	87	68
Distractibility	0	N/A
Impulsivity	0	N/A

### Choice Reaction Time

Suggested training includes targeting different objects each one requiring a different response

Metrics	My Eyes	Population
		Age 9-16
Saccadic Latency (ms)	158 (83-208)*	288
Visual Reaction Speed (ms)	117	145
Processing Speed (ms)	522	581
Reaction Time (ms)	796	1014
Response Accuracy (%)	87	68
Distractibility	0	N/A
Impulsivity	0	N/A



Seeing is Believing

PATIENTS



DOCTORS