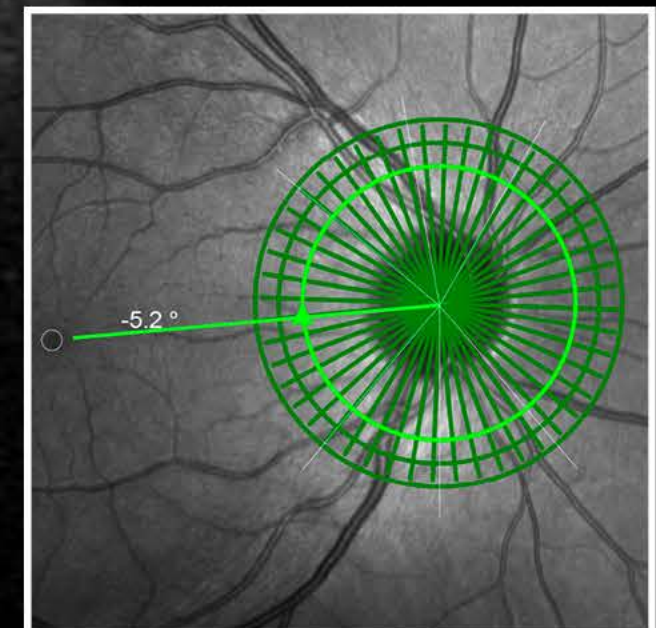
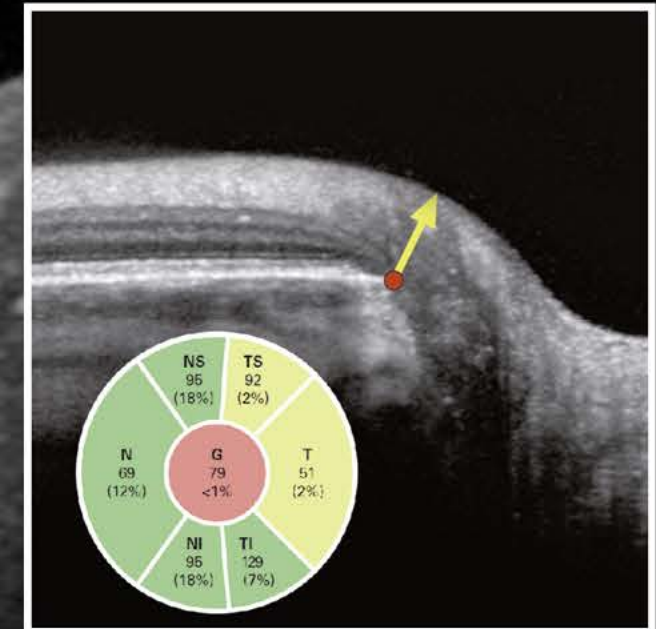
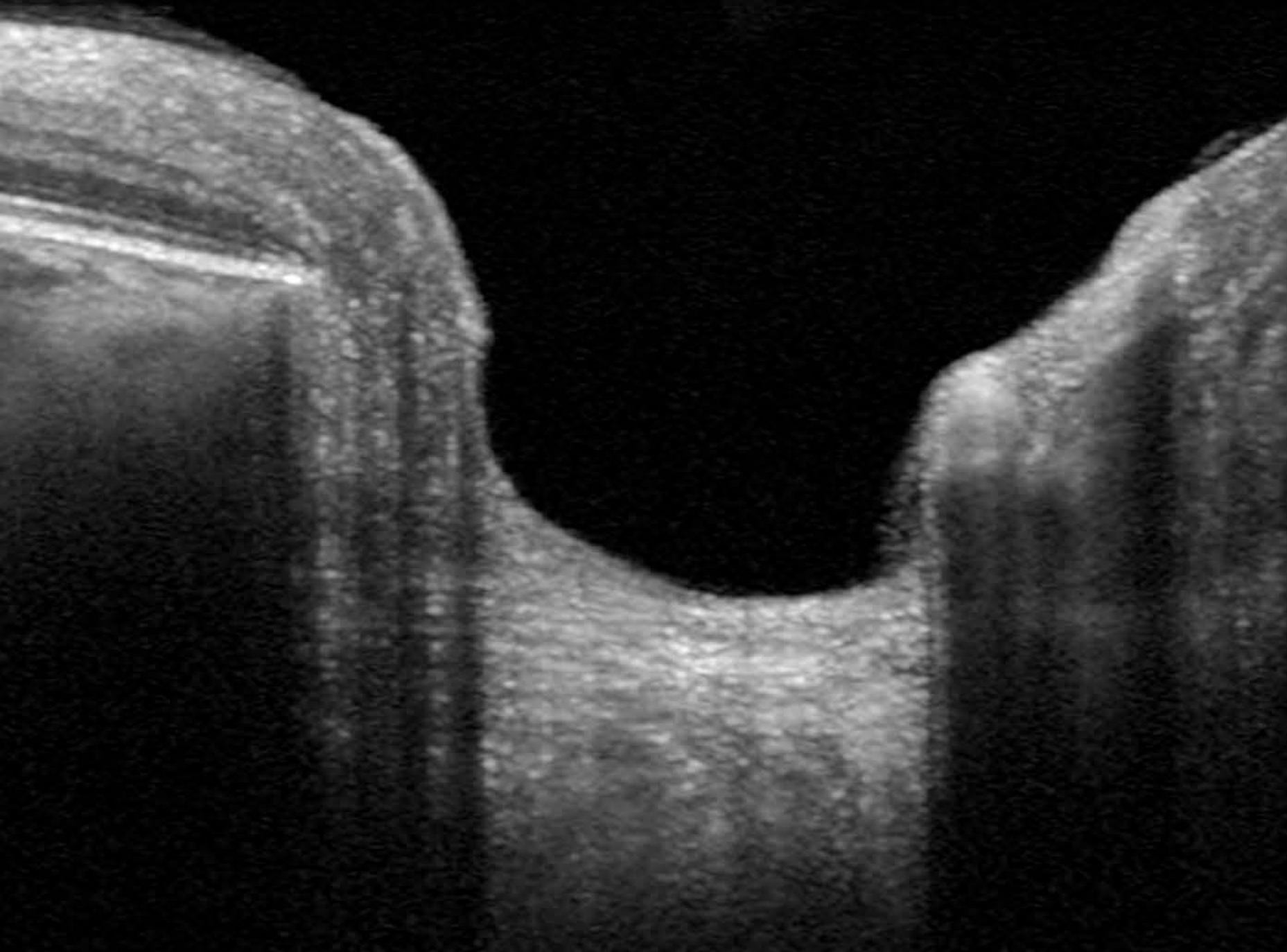


# SPECTRALIS®

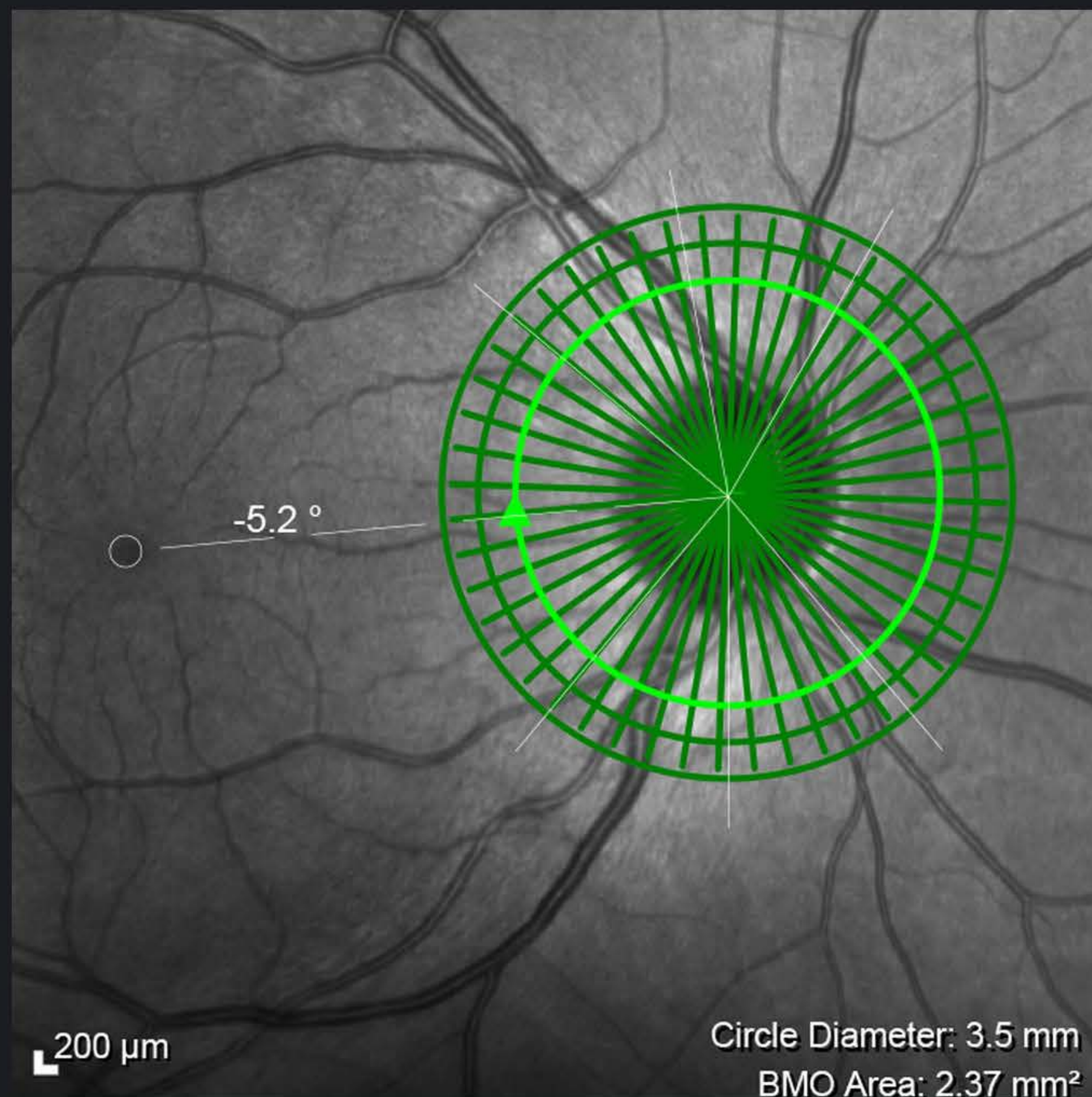
## Glaucoma Module Premium Edition





# Glaucoma Module Premium Edition

**SPECTRALIS®**



The Glaucoma Module Premium Edition provides a comprehensive analysis of the optic nerve head, retinal nerve fiber layer, and ganglion cell layer by precisely matching unique scan patterns to the fine anatomic structures relevant in glaucoma diagnostics.

*i*

■ APS

*i*

■ Optic Nerve Head

■ Retina Nerve Fiber Layer

■ Posterior Pole

■ Structure and Function

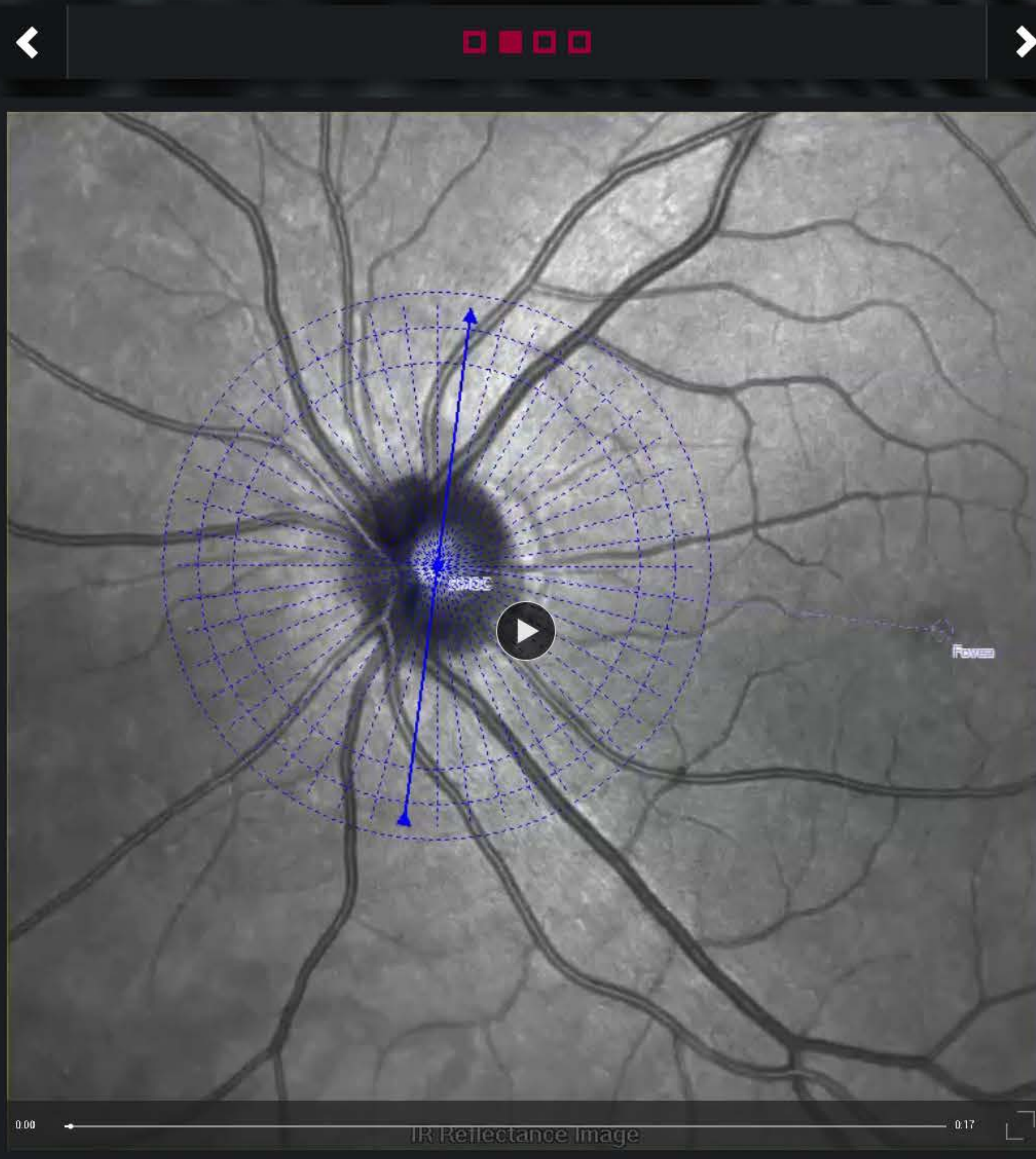
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ENGINEERING**





# Glaucoma Module Premium Edition

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■ APS



■ Optic Nerve Head

■ Retina Nerve Fiber Layer

■ Posterior Pole

■ Structure and Function

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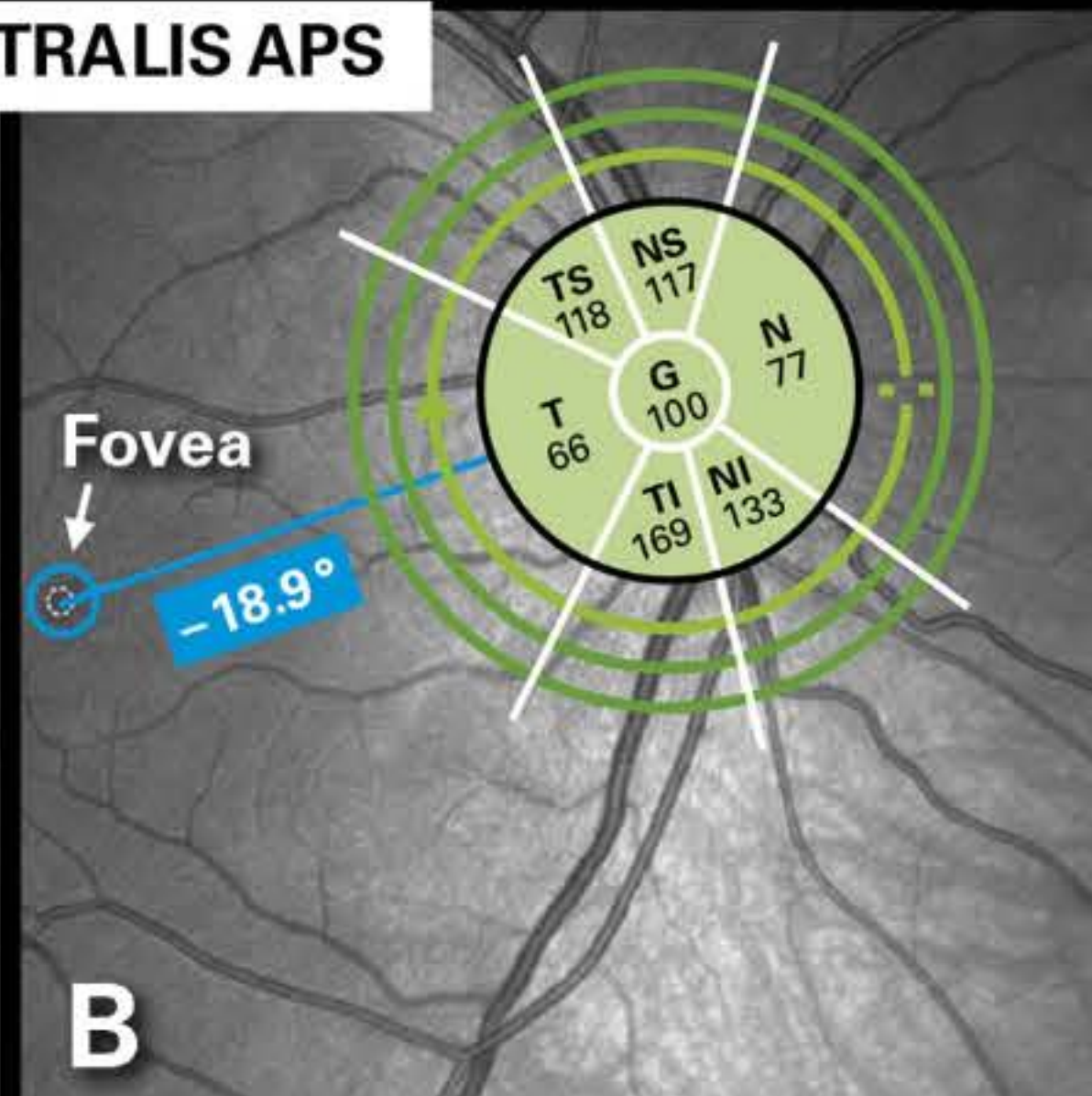
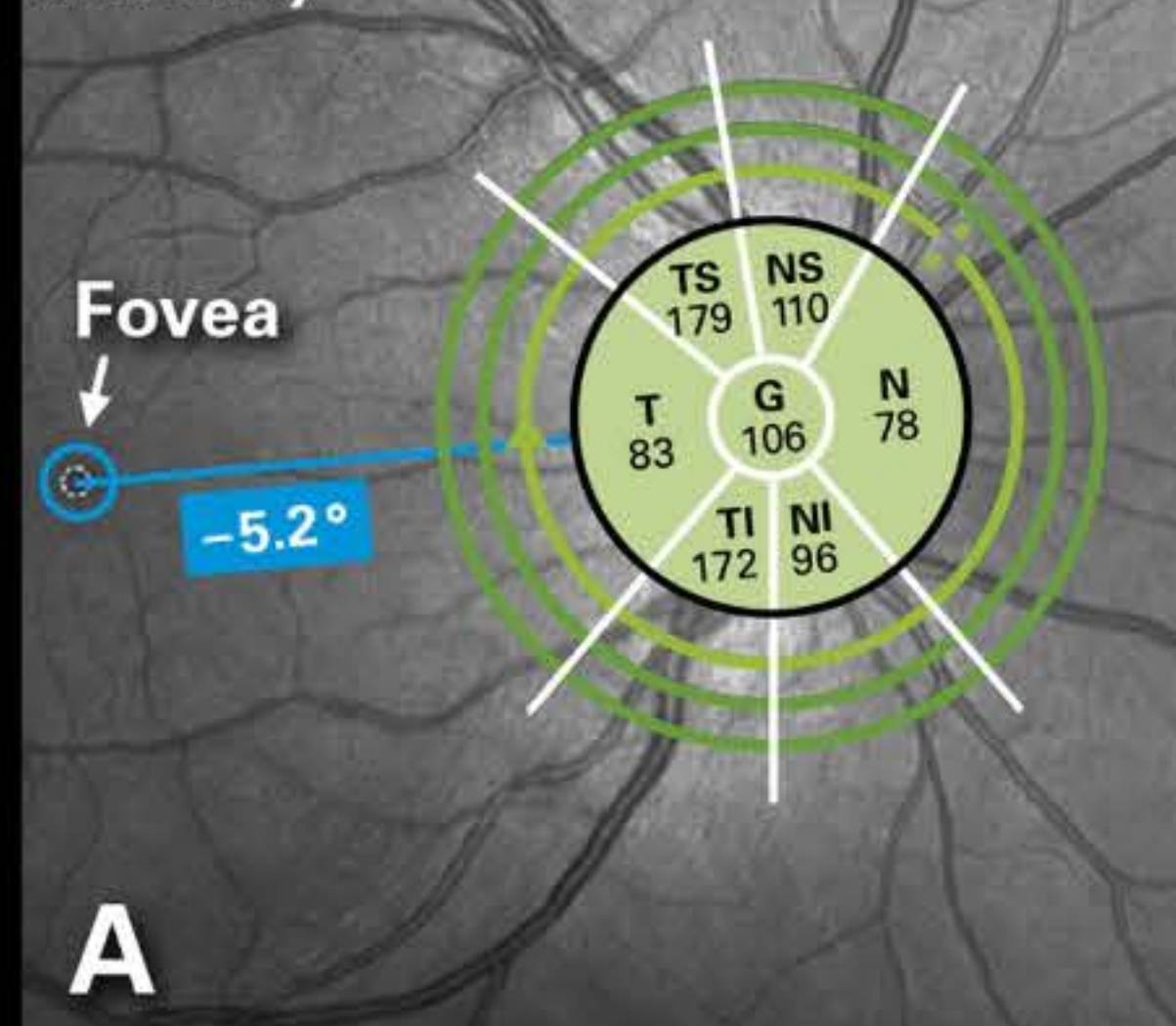
# Glaucoma Module Premium Edition

SPECTRALIS®



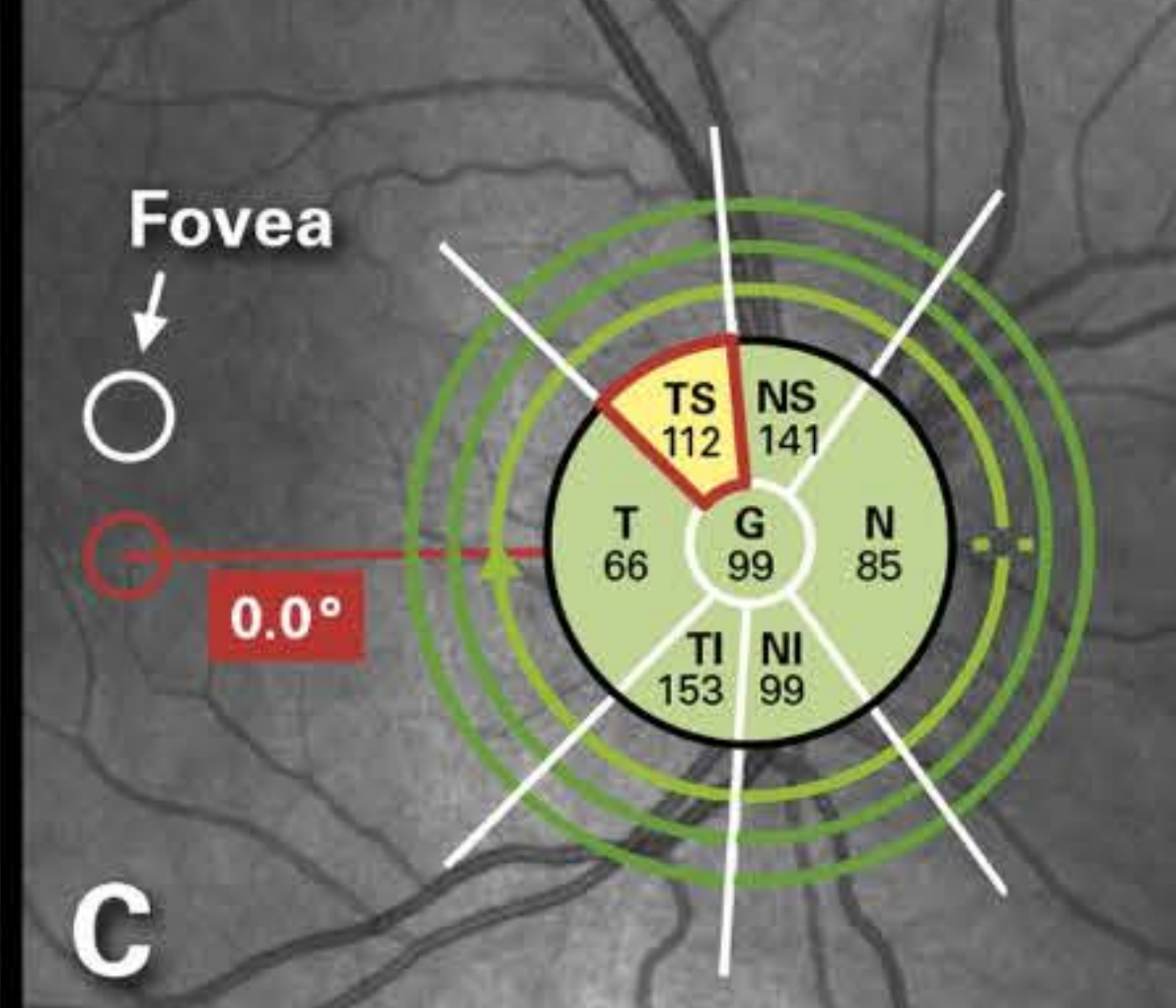
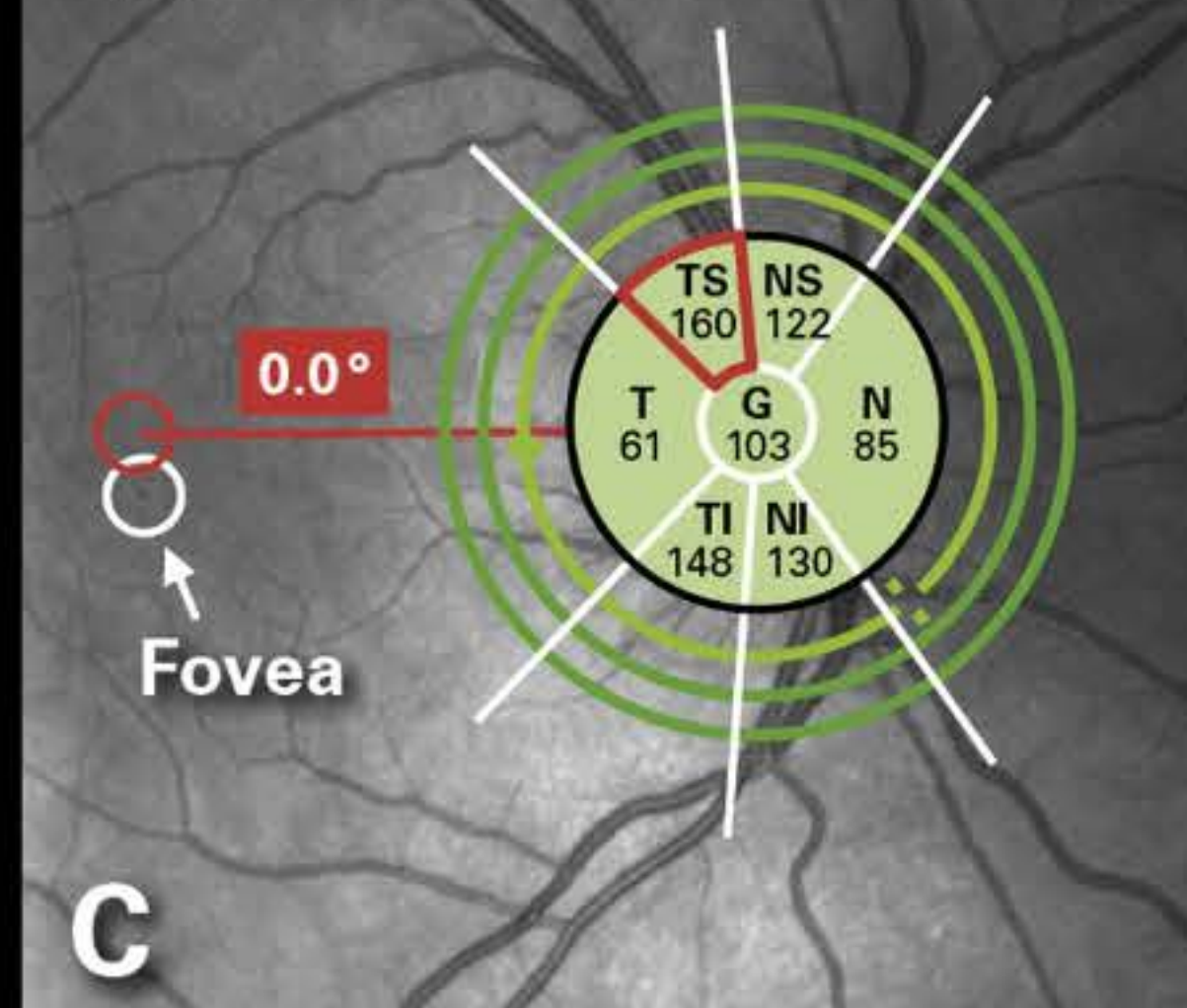
Eyes with different anatomy

With SPECTRALIS APS



Same eye on separate visits

Without APS



The Glaucoma Module Premium Edition provides a comprehensive analysis of the optic nerve head, retinal nerve fiber layer, and ganglion cell layer by precisely matching unique scan patterns to the fine anatomic structures relevant in glaucoma diagnostics.



■ APS



■ Optic Nerve Head

■ Retina Nerve Fiber Layer

■ Posterior Pole

■ Structure and Function

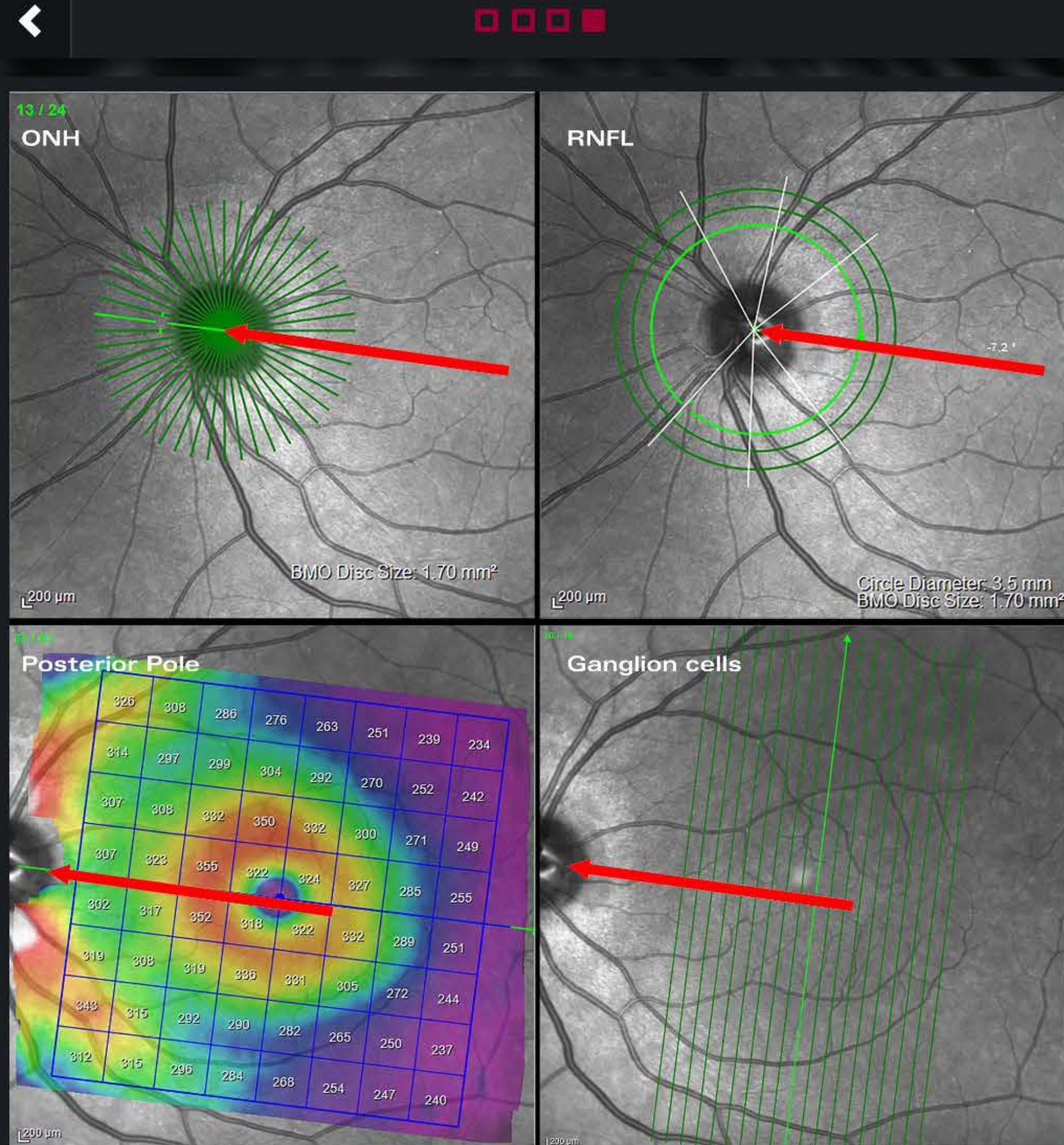
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# Glaucoma Module Premium Edition

SPECTRALIS®



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i

■ APS

i

■ Optic Nerve Head

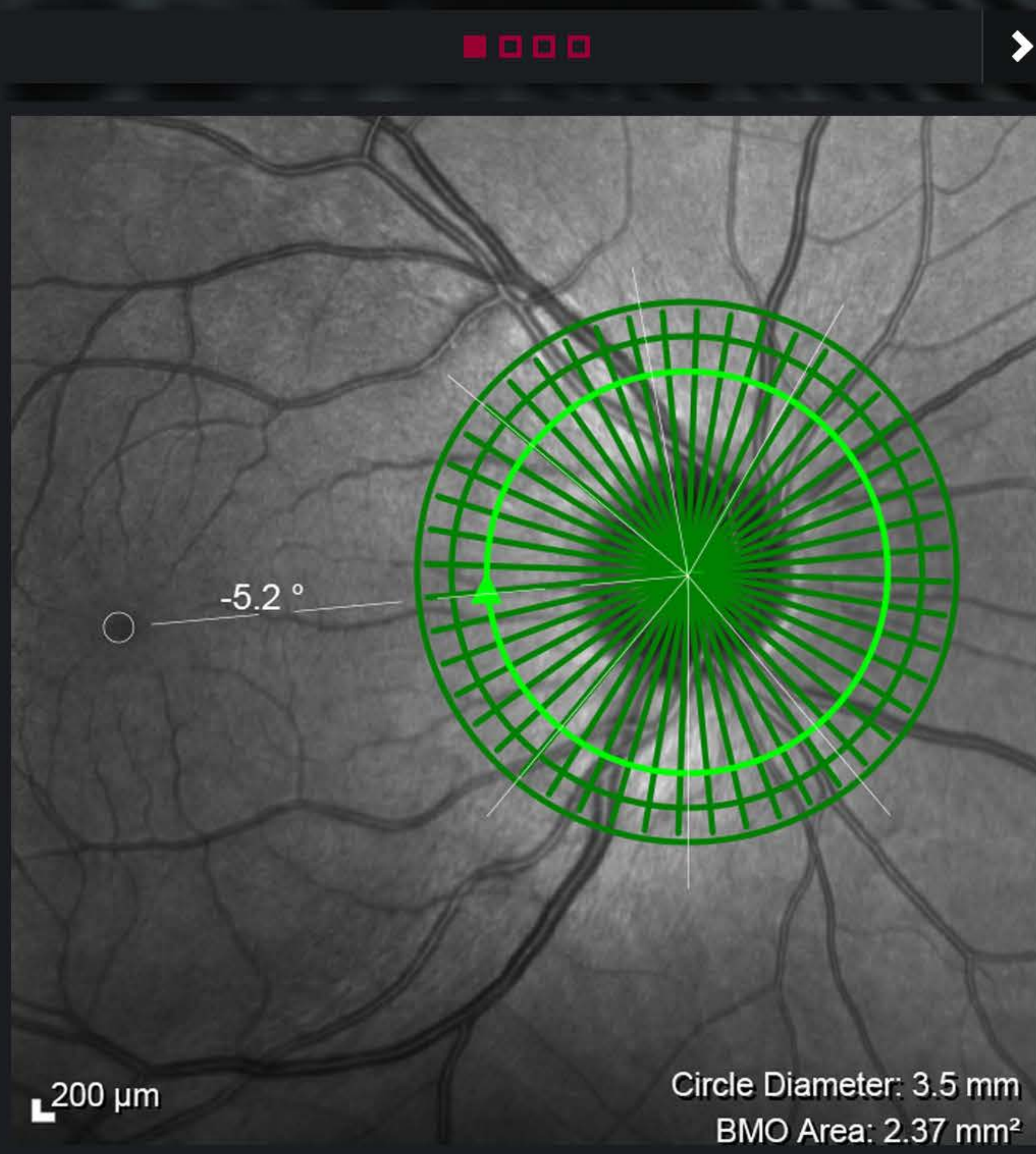
■ Retina Nerve Fiber Layer

■ Posterior Pole

■ Structure and Function

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The Glaucoma Module Premium Edition provides a comprehensive analysis of the optic nerve head, retinal nerve fiber layer, and ganglion cell layer by precisely matching unique scan patterns to the fine anatomic structures relevant in glaucoma diagnostics.

*i*

### ■ APS

*i*

The Anatomic Positioning System (APS) creates an anatomic map of each patient's eye using two fixed, structural landmarks: the center of the fovea and the center of Bruch's membrane opening. With APS, all scan protocols are automatically oriented according to the patient's anatomic map. This enables precise examination of relevant structures and ensures accurate comparisons with reference data, allowing for a highly sensitive assessment of structural change.



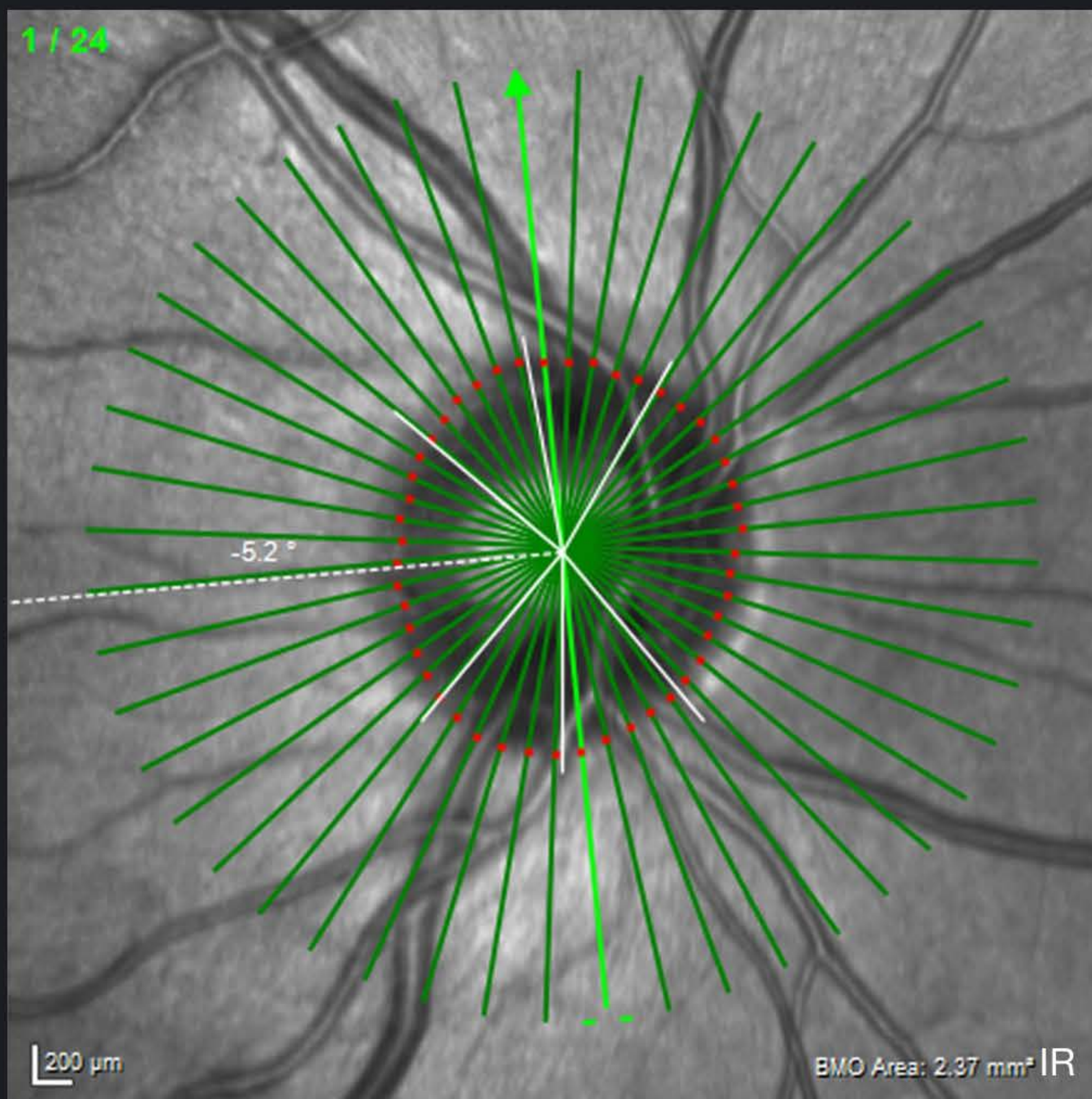
# Glaucoma Module Premium Edition

**SPECTRALIS®**

■ □ □ □ □ □ □ □



1 / 24



The Glaucoma Module Premium Edition provides a comprehensive analysis of the optic nerve head, retinal nerve fiber layer, and ganglion cell layer by precisely matching unique scan patterns to the fine anatomic structures relevant in glaucoma diagnostics.

*i*

■ APS

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■ Retina Nerve Fiber Layer

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# Glaucoma Module Premium Edition

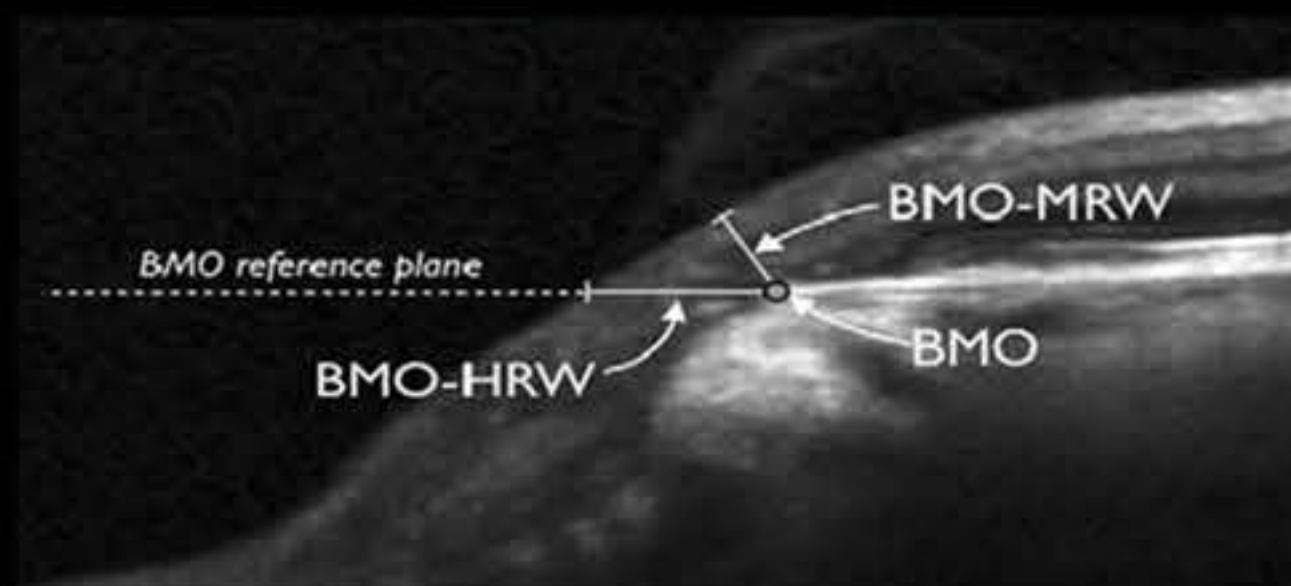
SPECTRALIS®



## BMO-MRW is a better diagnostic aid

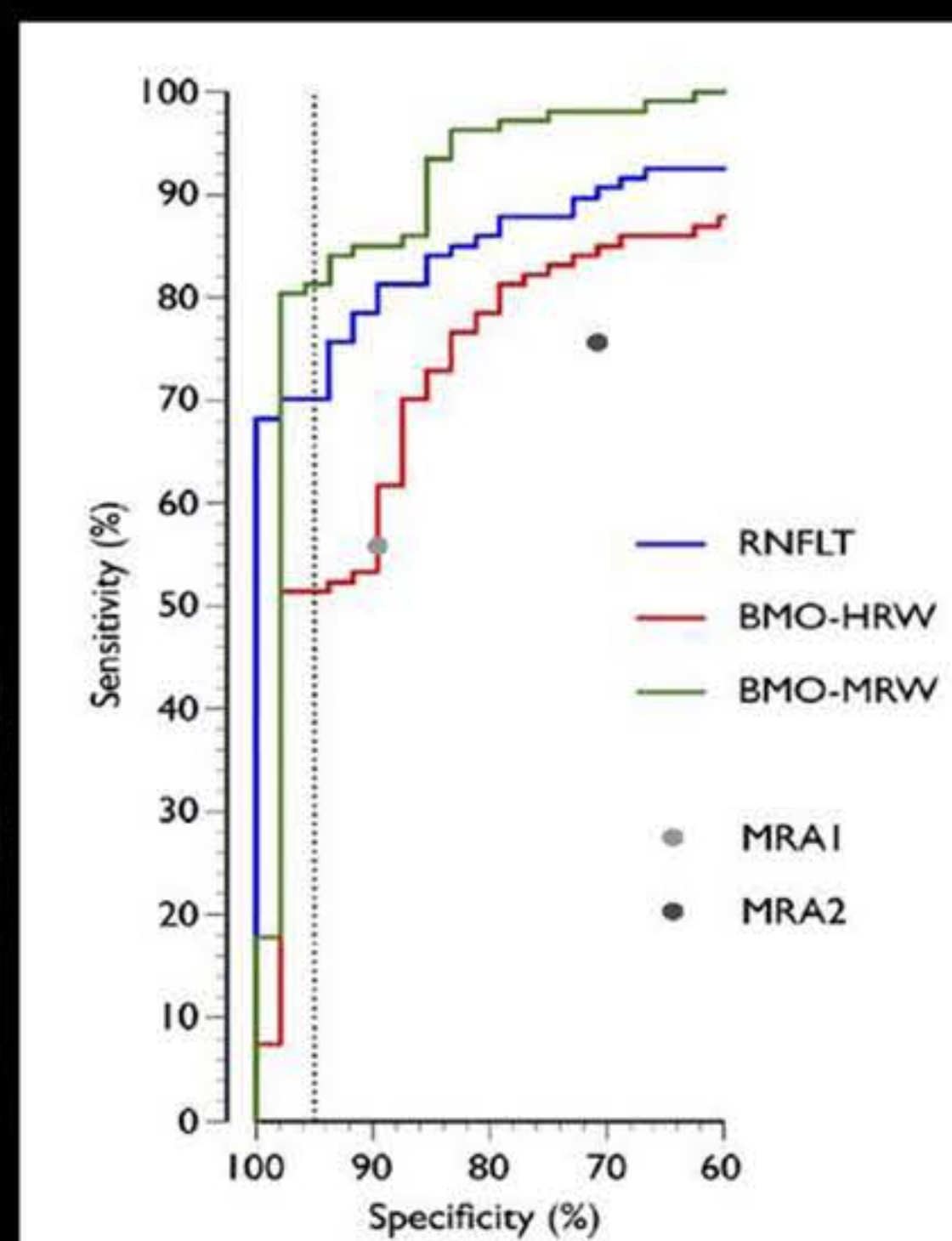
Sensitivity (at 95% specificity)

BMO-MRW	81%
RNFLT	70%
BMO-HRW	51%



RNFLT (retinal nerve fiber layer thickness)  
BMO-HRW (Bruch's membrane opening - horizontal rim width)  
BMO-MRW (Bruch's membrane opening - minimal rim width)

Chauhan et al. Enhanced detection of open-angle glaucoma with an anatomically accurate optical coherence tomography-derived neuroretinal rim parameter. Ophthalmology 2013; 120:535-543.



Sensitivity

The Glaucoma Module Premium Edition provides a comprehensive analysis of the optic nerve head, retinal nerve fiber layer, and ganglion cell layer by precisely matching unique scan patterns to the fine anatomic structures relevant in glaucoma diagnostics.

i

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i

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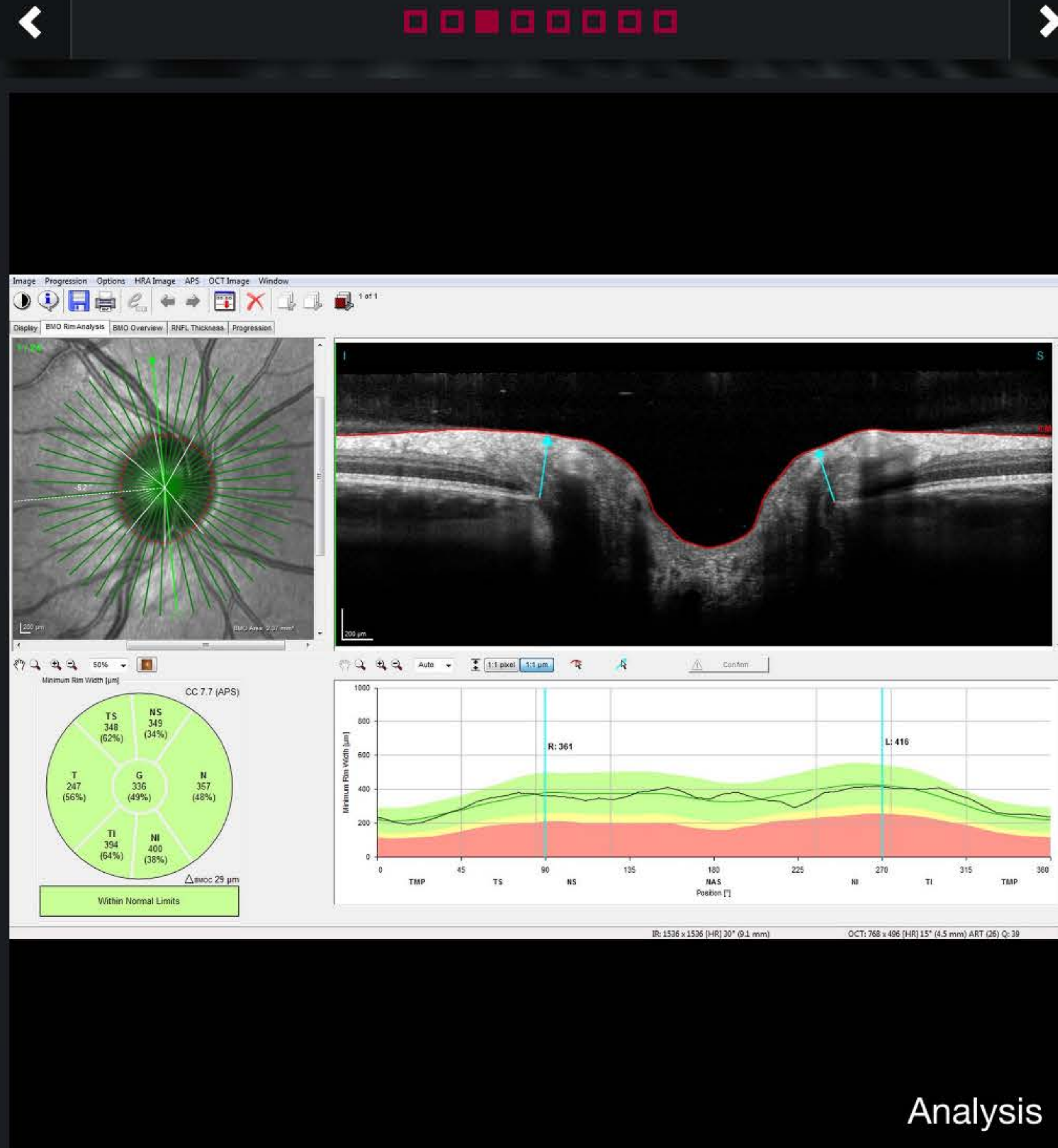
■ Structure and Function

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# Glaucoma Module Premium Edition

SPECTRALIS®



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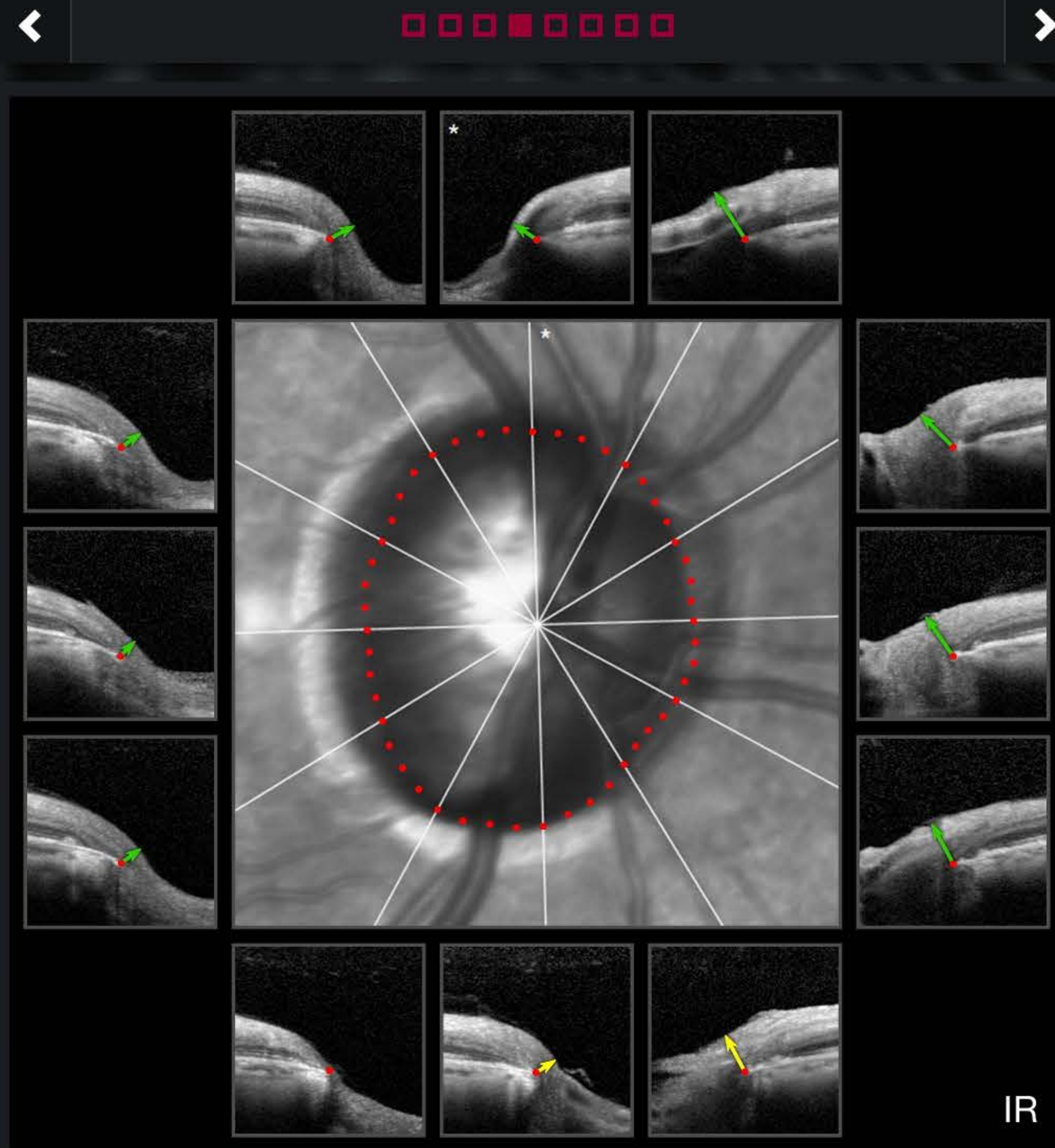
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# Glaucoma Module Premium Edition

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■ Posterior Pole

■ Structure and Function

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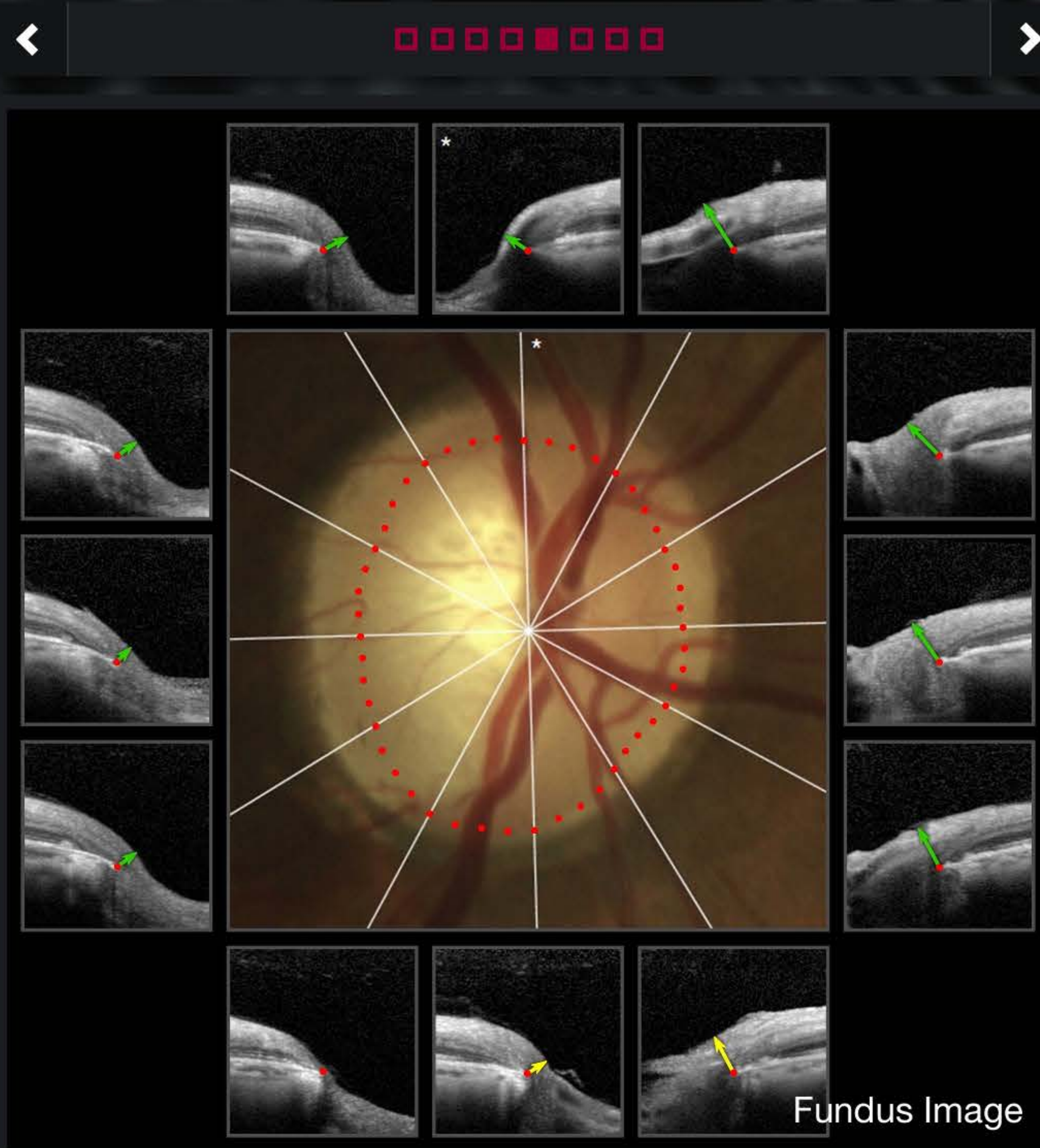






# Glaucoma Module Premium Edition

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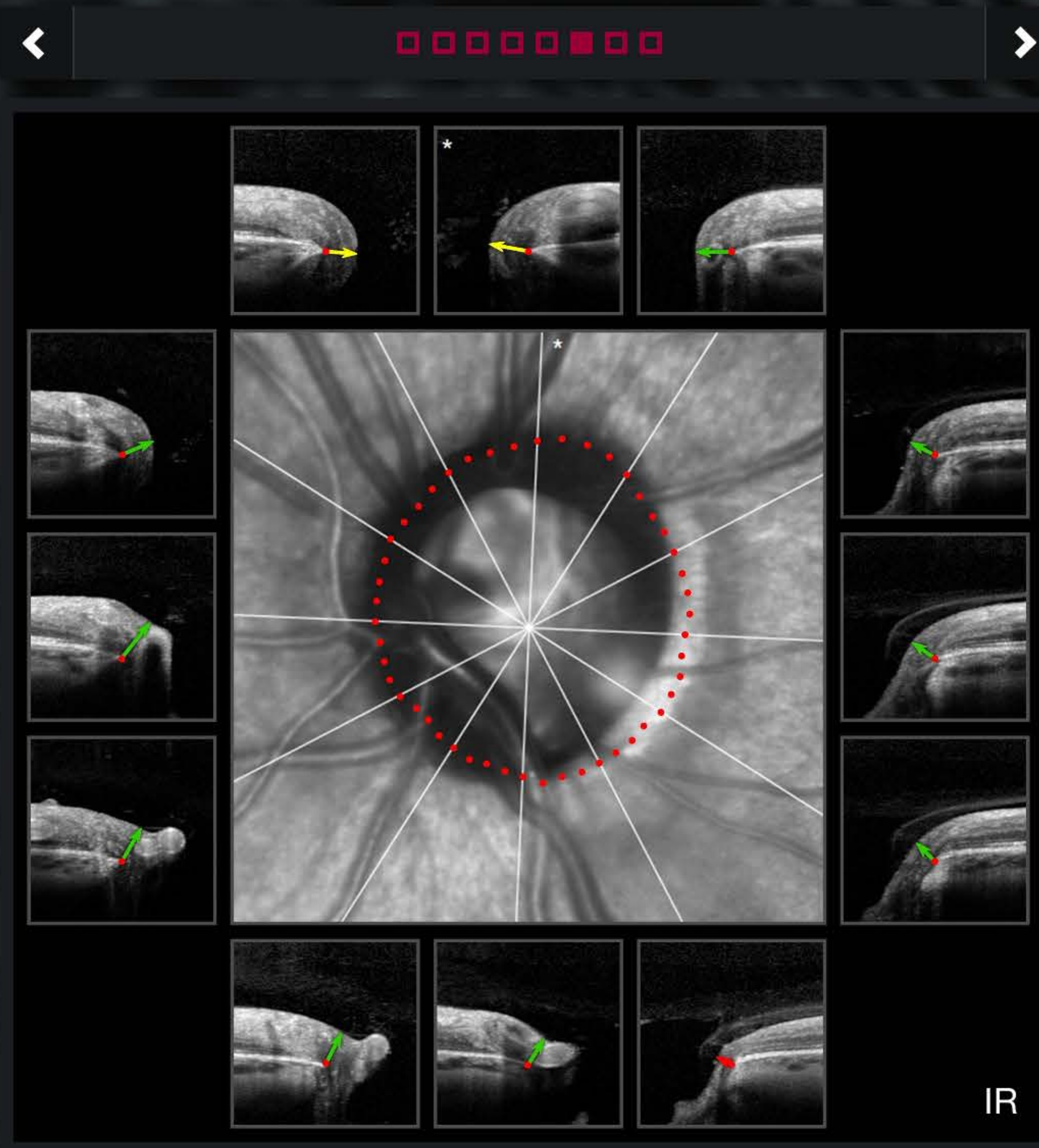
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# Glaucoma Module Premium Edition

**SPECTRALIS®**



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**i**

■ APS **i**

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■ Retina Nerve Fiber Layer

■ Posterior Pole

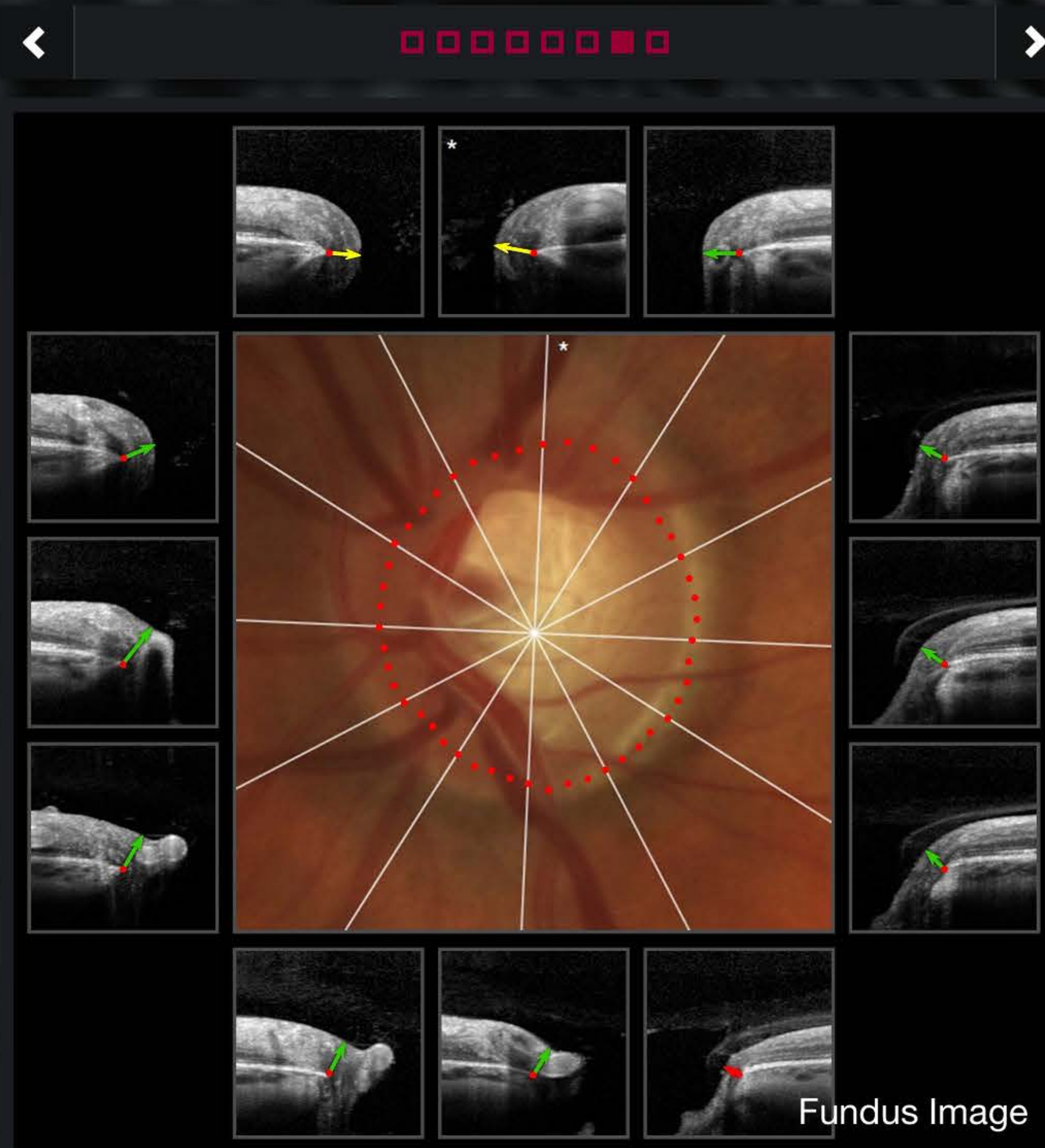
■ Structure and Function

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# Glaucoma Module Premium Edition

SPECTRALIS®



The Glaucoma Module Premium Edition provides a comprehensive analysis of the optic nerve head, retinal nerve fiber layer, and ganglion cell layer by precisely matching unique scan patterns to the fine anatomic structures relevant in glaucoma diagnostics.

i

■ APS

i

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■ Retina Nerve Fiber Layer

■ Posterior Pole

■ Structure and Function

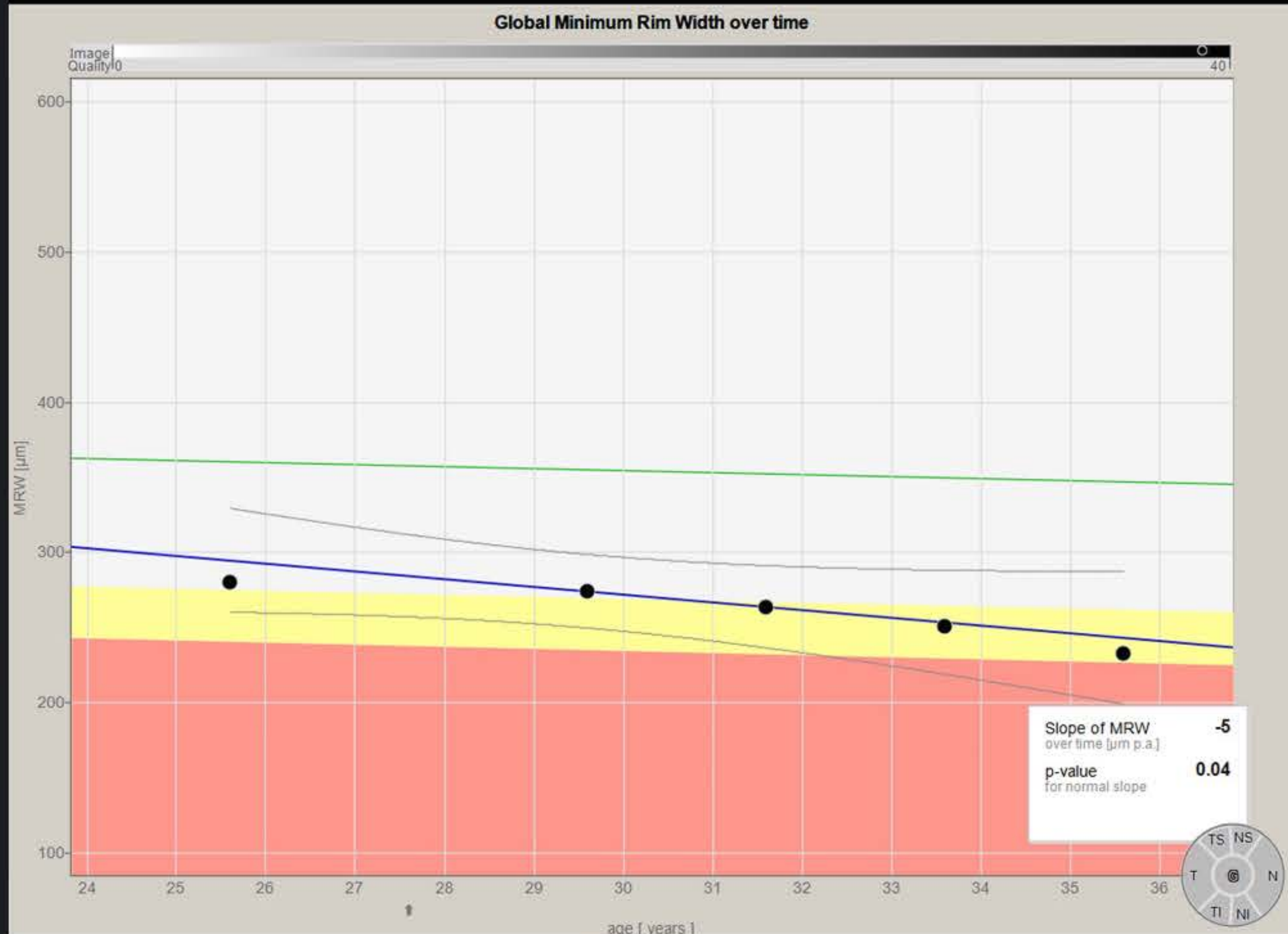
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# Glaucoma Module Premium Edition

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Progression Analysis

The Glaucoma Module Premium Edition provides a comprehensive analysis of the optic nerve head, retinal nerve fiber layer, and ganglion cell layer by precisely matching unique scan patterns to the fine anatomic structures relevant in glaucoma diagnostics.

i

■ APS

i

■ Optic Nerve Head

■ Retina Nerve Fiber Layer

■ Posterior Pole

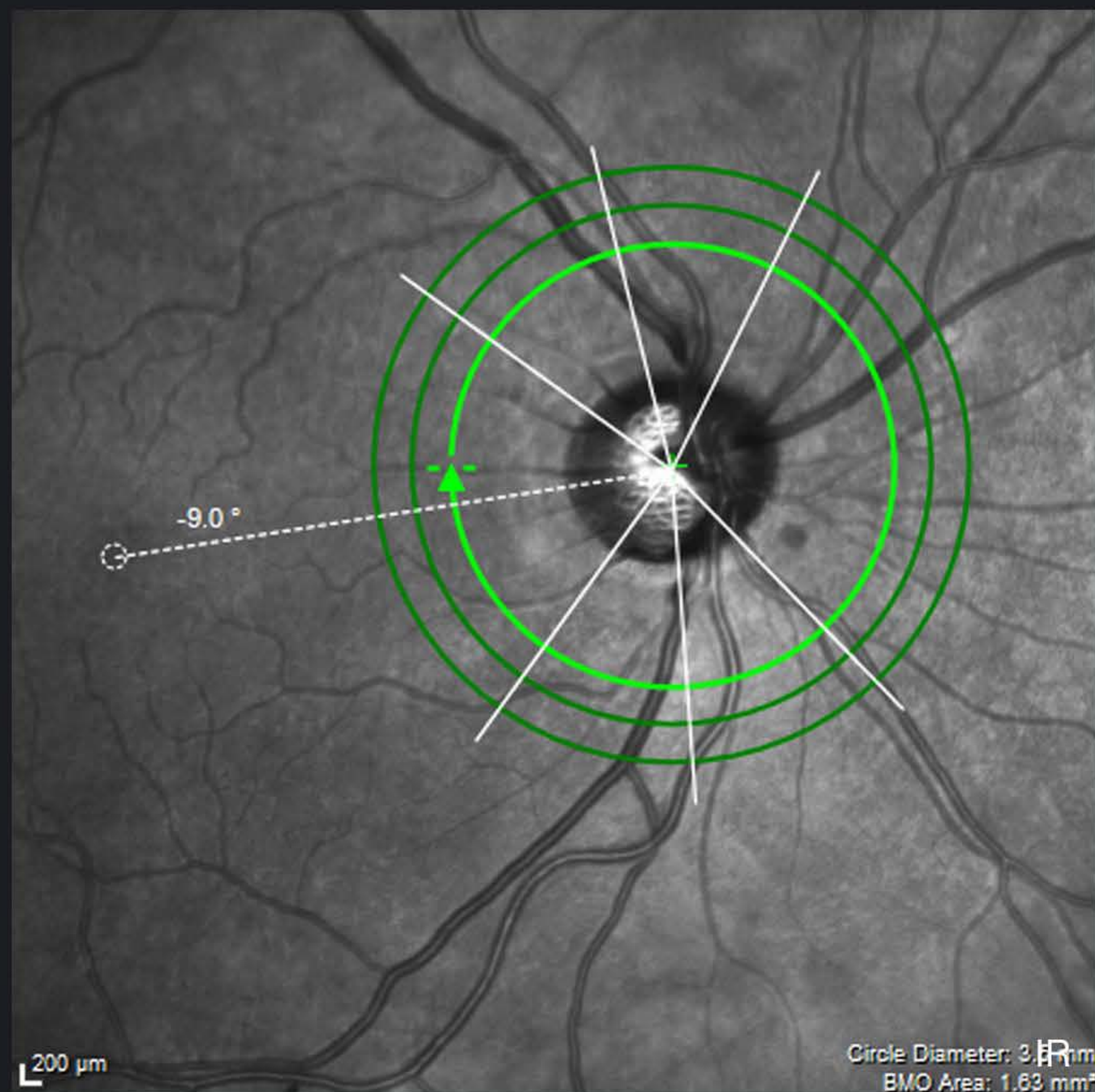
■ Structure and Function

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# Glaucoma Module Premium Edition

**SPECTRALIS®**



The Glaucoma Module Premium Edition provides a comprehensive analysis of the optic nerve head, retinal nerve fiber layer, and ganglion cell layer by precisely matching unique scan patterns to the fine anatomic structures relevant in glaucoma diagnostics.

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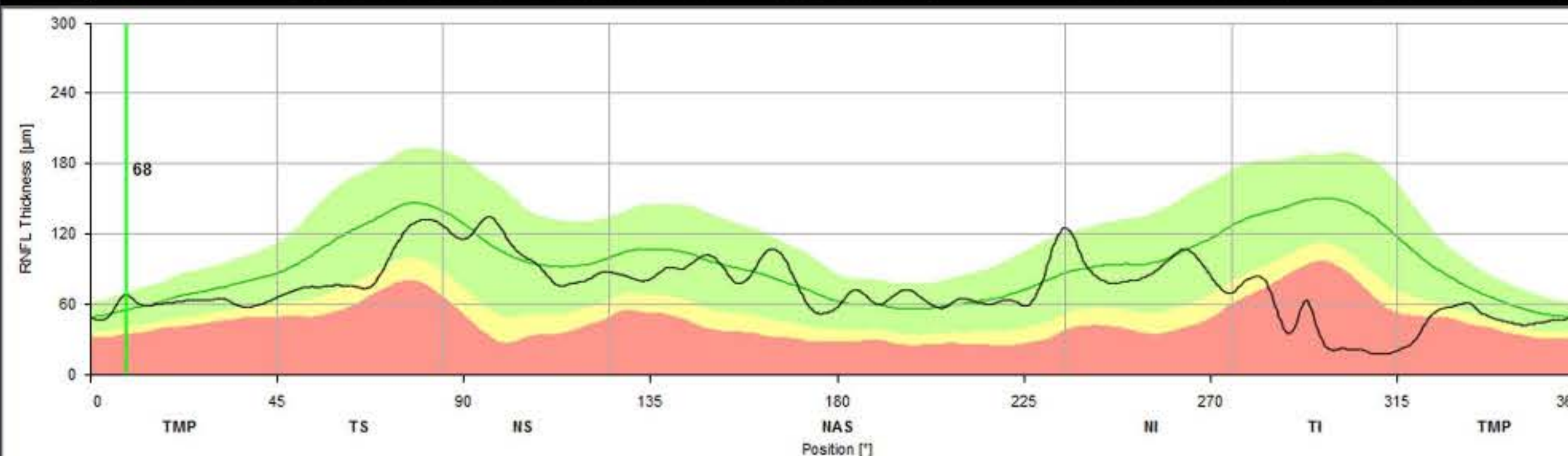
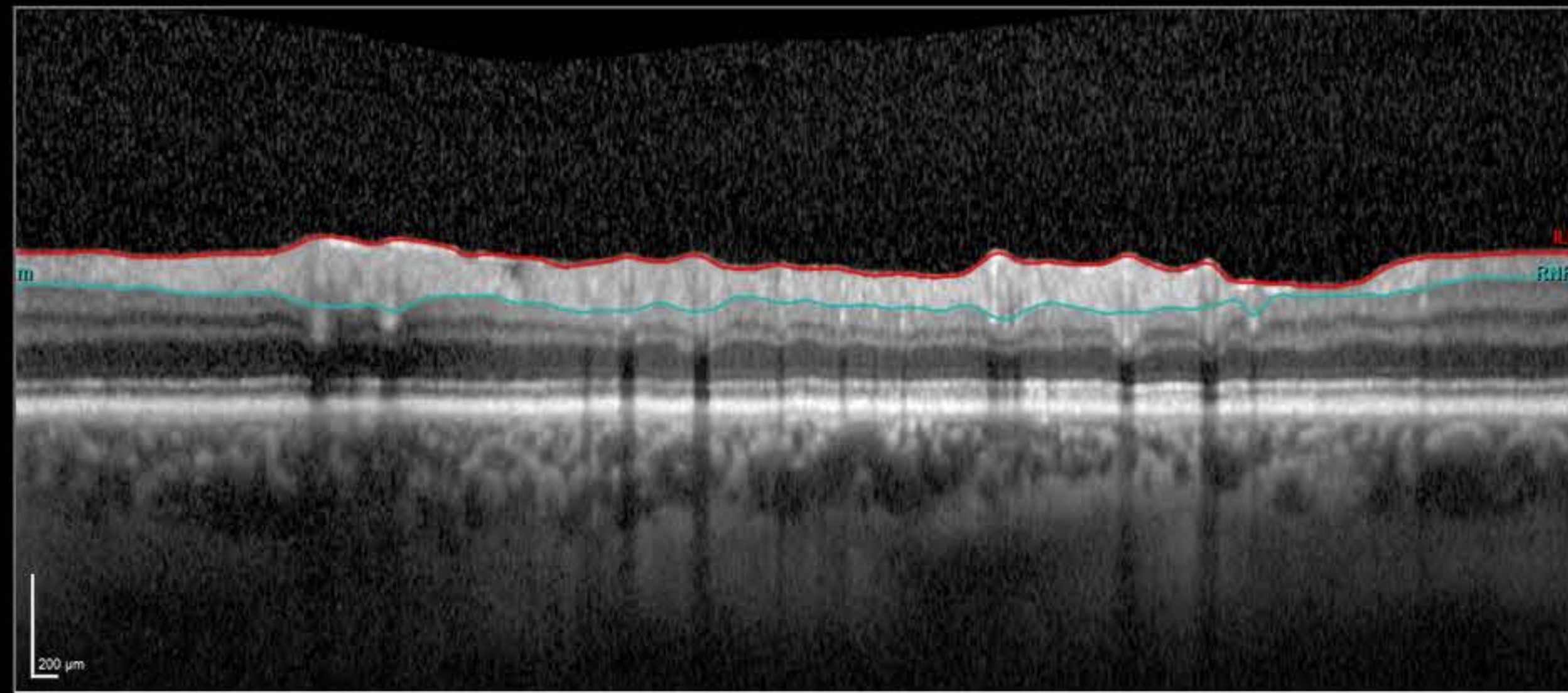
■ Structure and Function

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# Glaucoma Module Premium Edition

SPECTRALIS®



Within normal limits ( $p > 0.05$ )

Borderline ( $p < 0.05$ )

Outside normal limits ( $p < 0.01$ )

Thickness Profile

The Glaucoma Module Premium Edition provides a comprehensive analysis of the optic nerve head, retinal nerve fiber layer, and ganglion cell layer by precisely matching unique scan patterns to the fine anatomic structures relevant in glaucoma diagnostics.

i

■ APS

i

■ Optic Nerve Head

■ Retina Nerve Fiber Layer

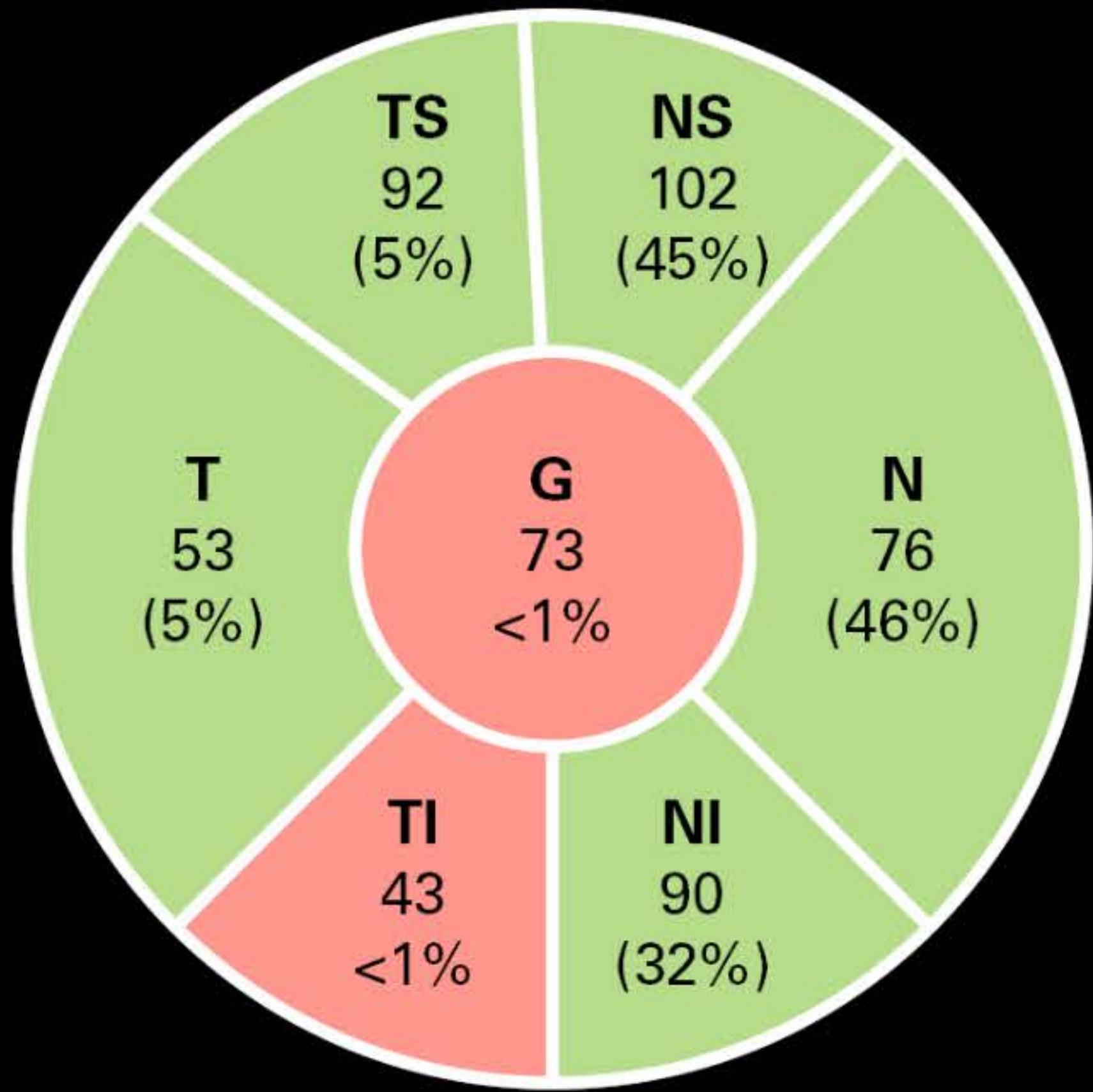
■ Posterior Pole

■ Structure and Function

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Peripapillary RNFL Classification



Outside Normal Limits

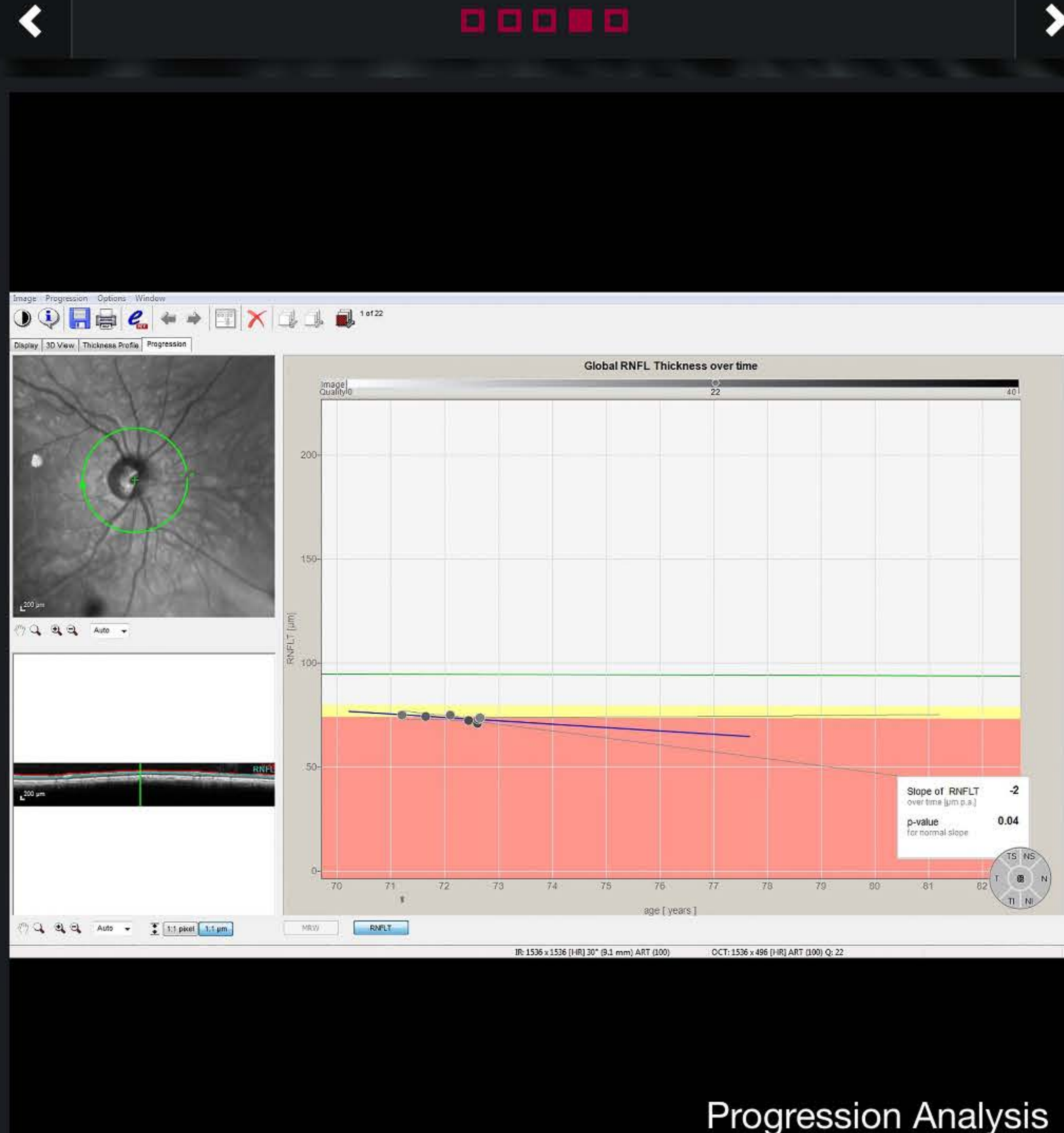
The Glaucoma Module Premium Edition provides a comprehensive analysis of the optic nerve head, retinal nerve fiber layer, and ganglion cell layer by precisely matching unique scan patterns to the fine anatomic structures relevant in glaucoma diagnostics.

- APS
- Optic Nerve Head
- Retina Nerve Fiber Layer
- Posterior Pole
- Structure and Function



# Glaucoma Module Premium Edition

SPECTRALIS®



The Glaucoma Module Premium Edition provides a comprehensive analysis of the optic nerve head, retinal nerve fiber layer, and ganglion cell layer by precisely matching unique scan patterns to the fine anatomic structures relevant in glaucoma diagnostics.

■ APS

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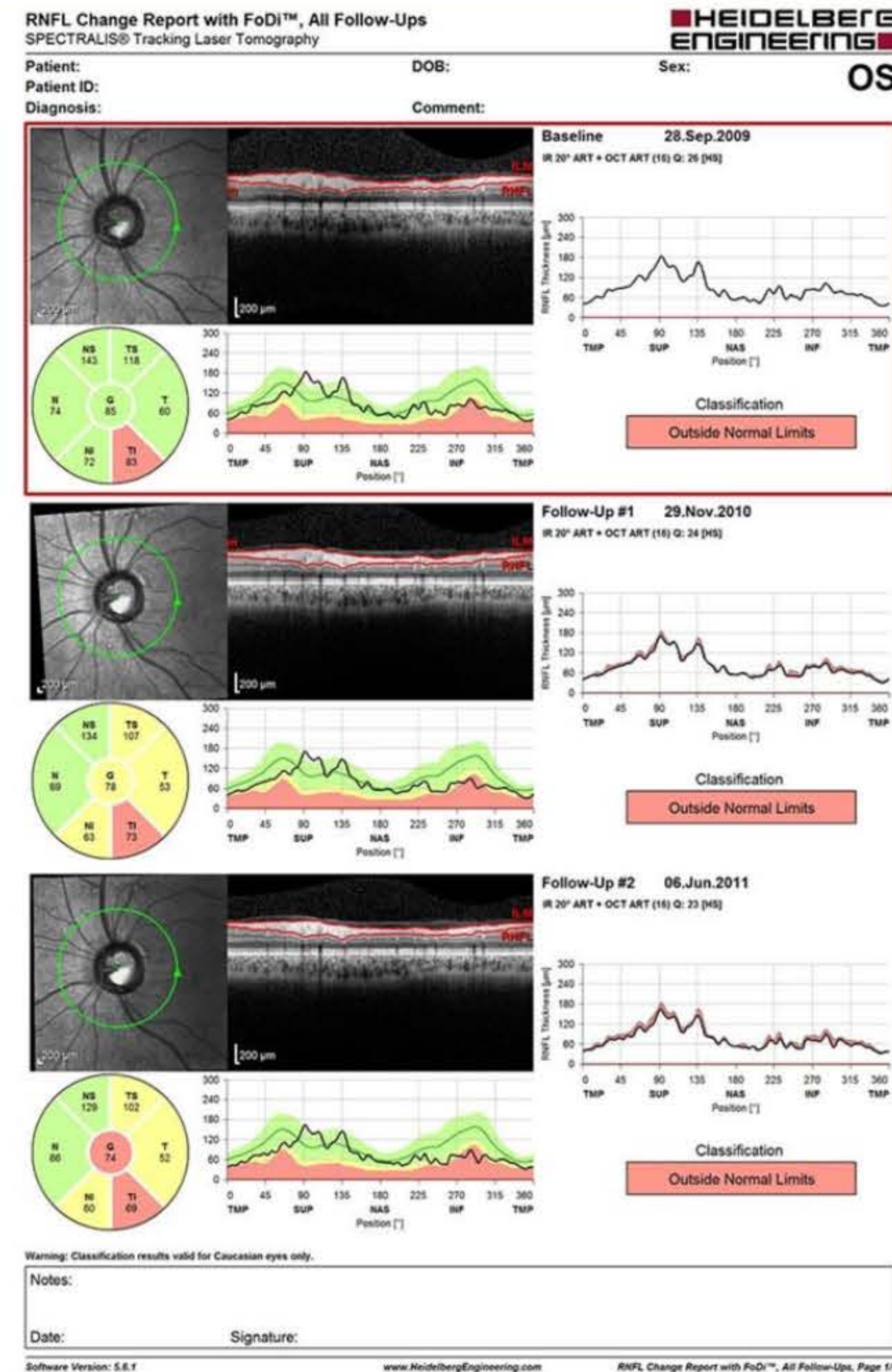
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# Glaucoma Module Premium Edition

SPECTRALIS®

The Glaucoma Module Premium Edition provides a comprehensive analysis of the optic nerve head, retinal nerve fiber layer, and ganglion cell layer by precisely matching unique scan patterns to the fine anatomic structures relevant in glaucoma diagnostics.



Report

■ APS

■ Optic Nerve Head

■ Retina Nerve Fiber Layer

■ Posterior Pole

■ Structure and Function

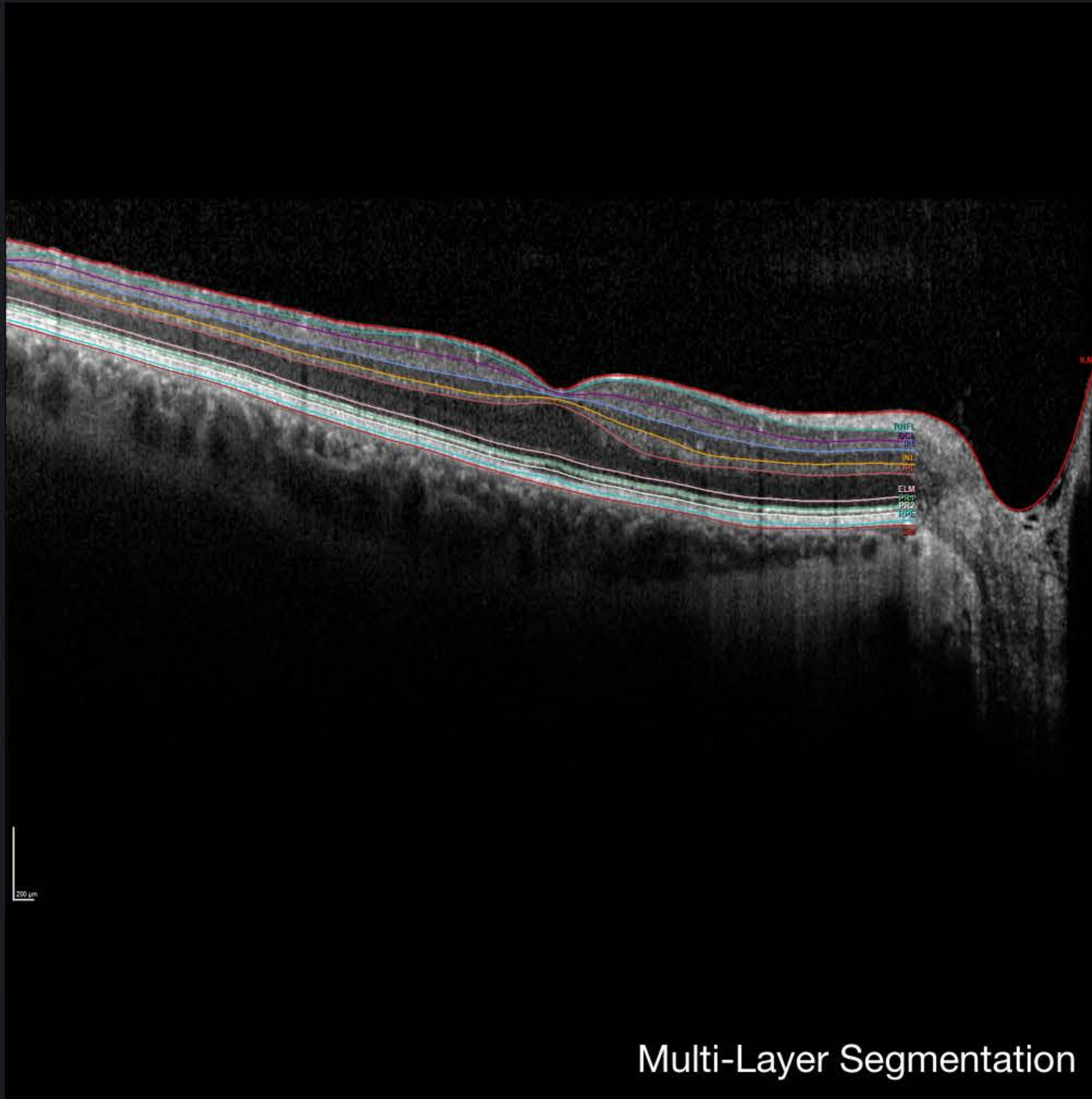
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# Glaucoma Module Premium Edition

**SPECTRALIS®**



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■ APS



■ Optic Nerve Head

■ Retina Nerve Fiber Layer

■ Posterior Pole

■ Structure and Function

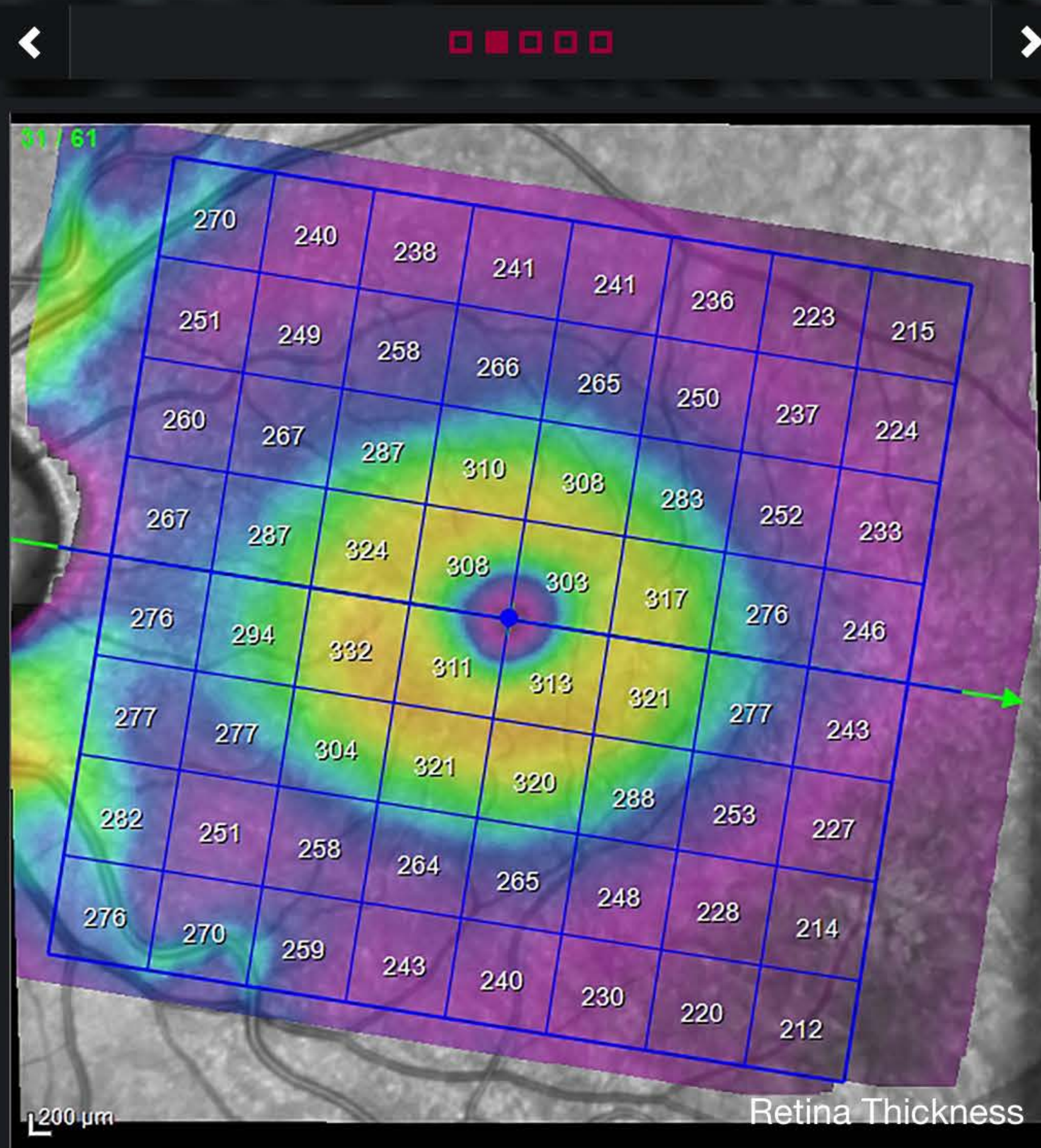
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# Glaucoma Module Premium Edition

SPECTRALIS®



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i

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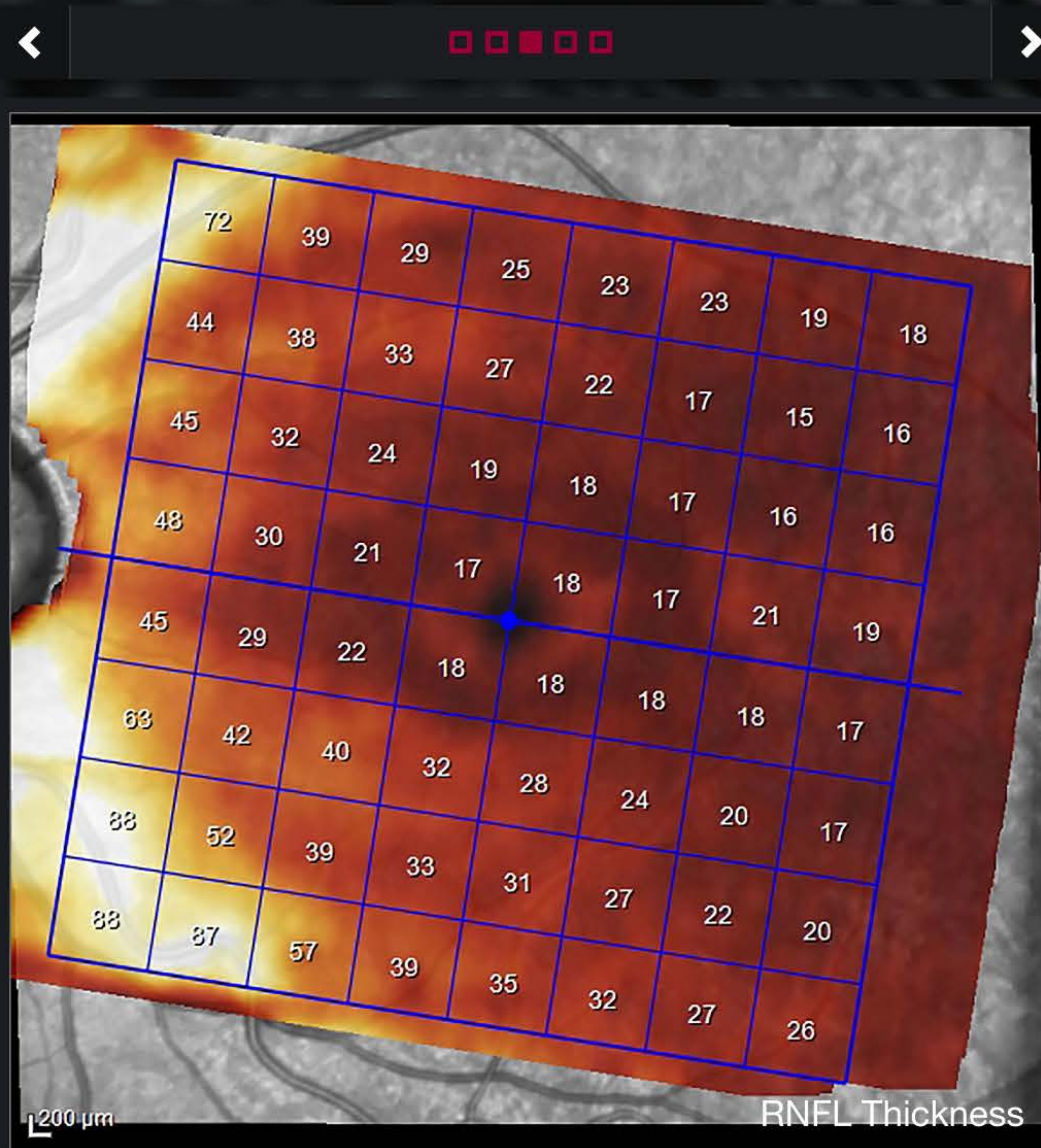
■ Structure and Function

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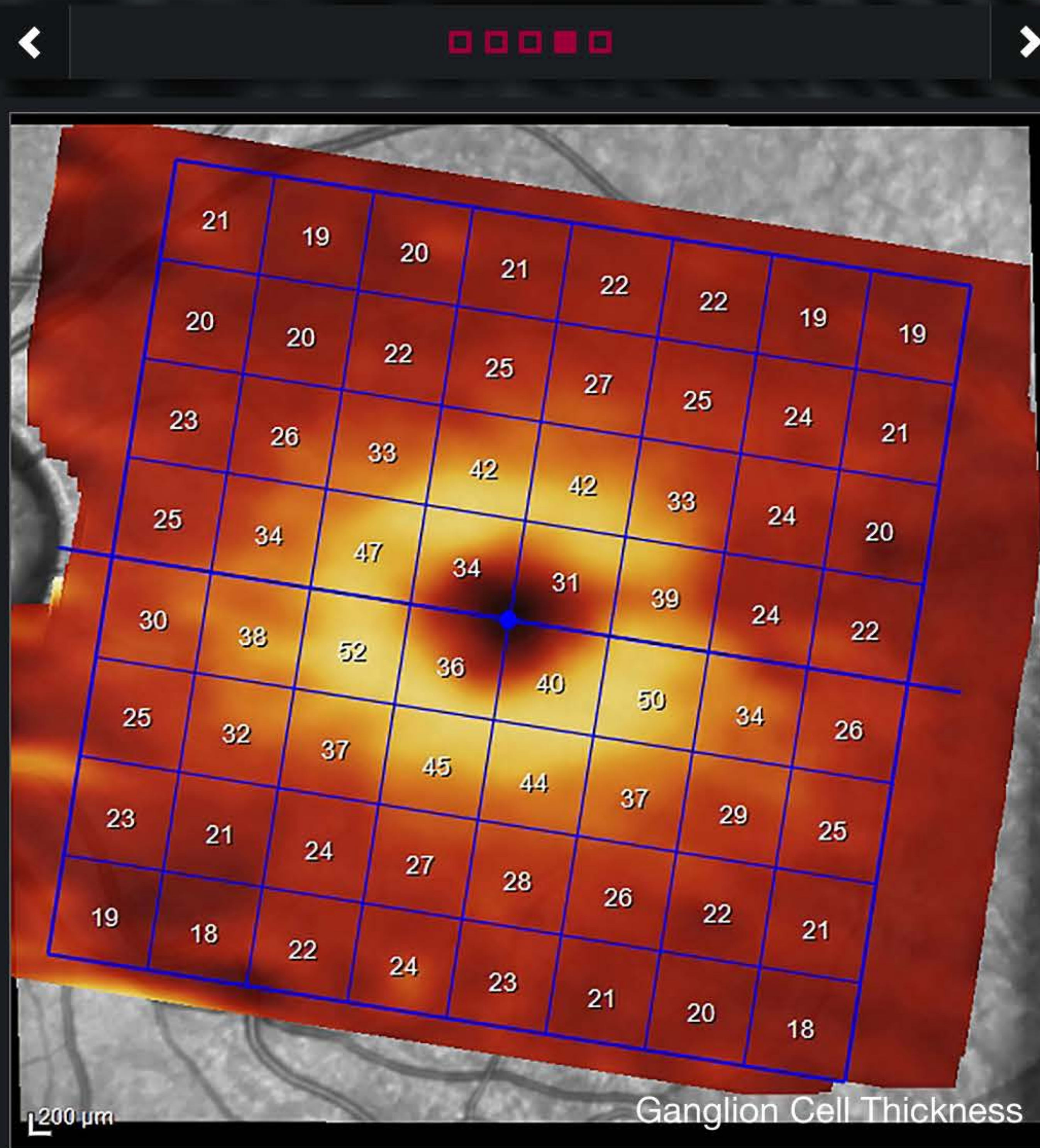
■ Structure and Function

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# Glaucoma Module Premium Edition

SPECTRALIS®

The Glaucoma Module Premium Edition provides a comprehensive analysis of the optic nerve head, retinal nerve fiber layer, and ganglion cell layer by precisely matching unique scan patterns to the fine anatomic structures relevant in glaucoma diagnostics.

## Asymmetry Analysis Single Exam Report OU SPECTRALIS® Tracking Laser Tomography

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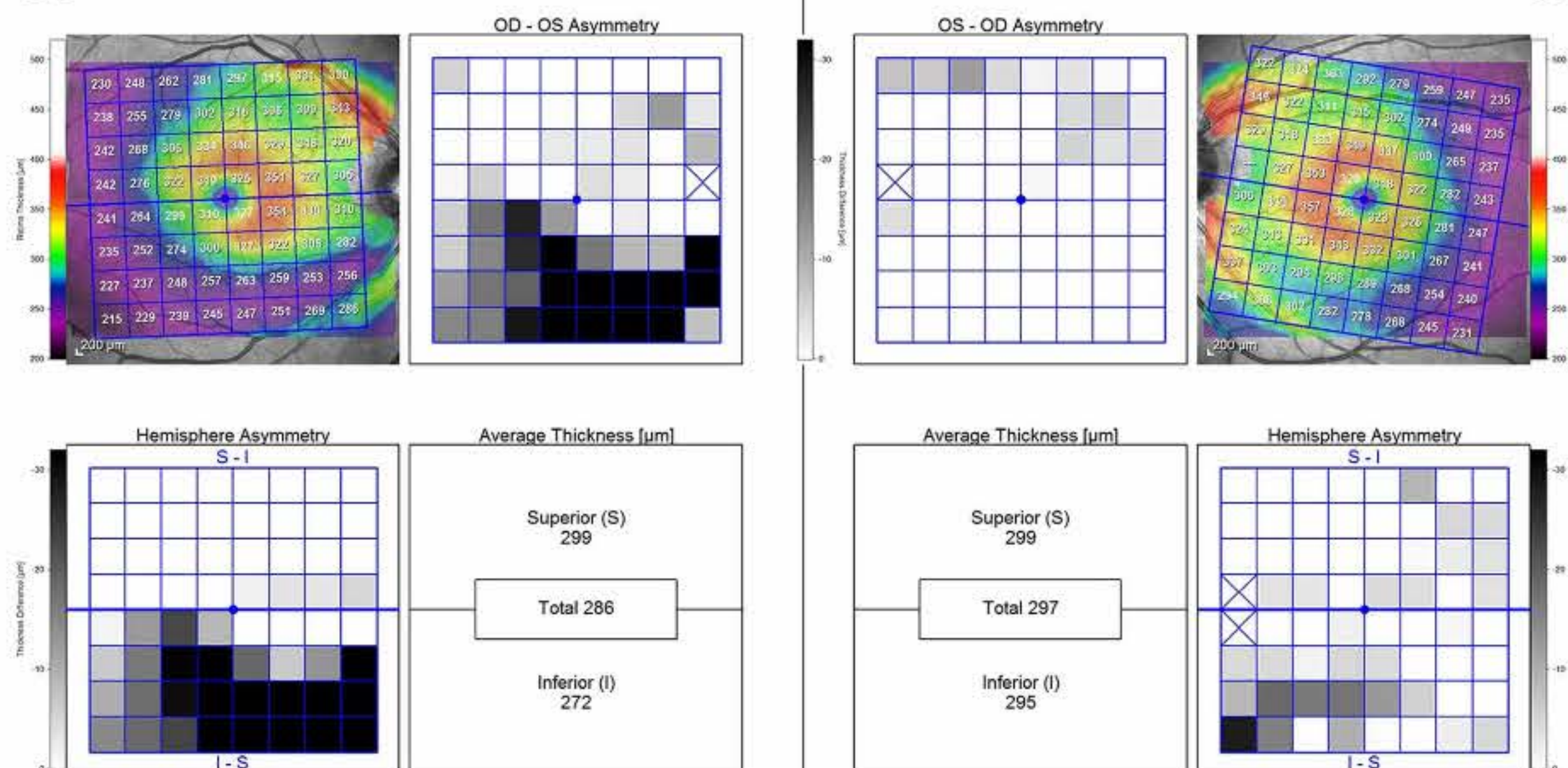
Patient:  
Patient ID:  
Diagnosis:

DOB:  
Exam.:  
Comment:

Sex:

OD

OS



■ APS

■ Optic Nerve Head

■ Retina Nerve Fiber Layer

■ Posterior Pole

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Asymmetry Analysis

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i

i

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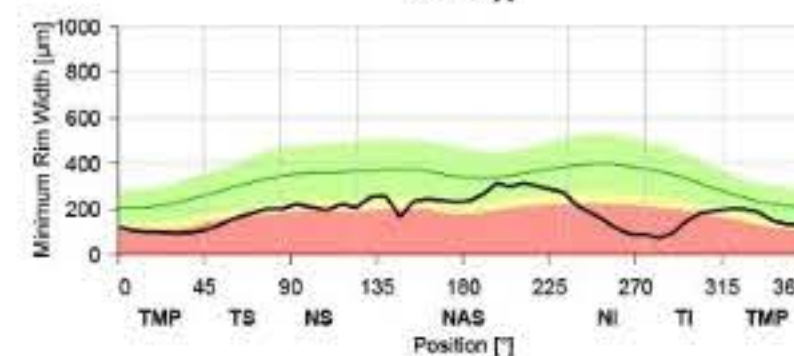
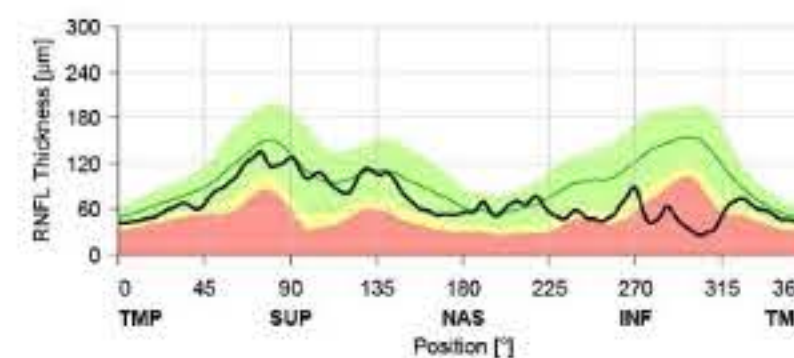
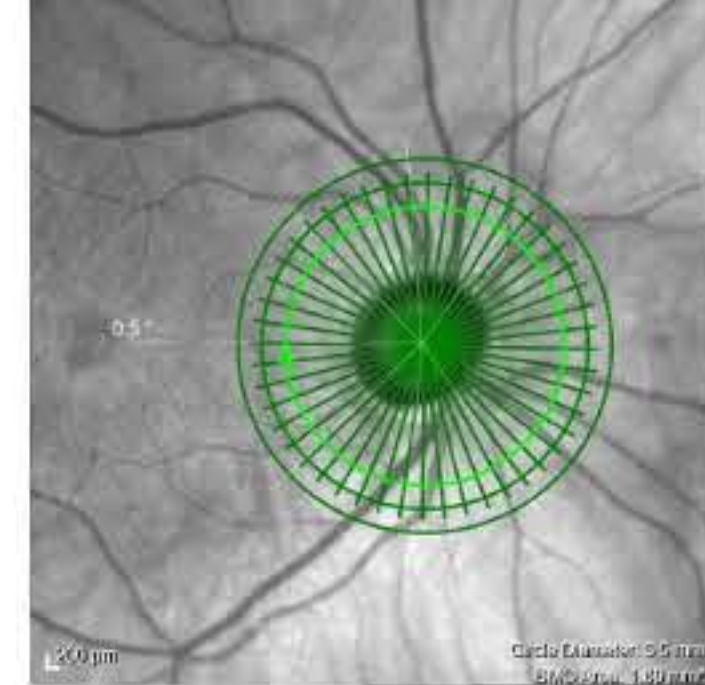
■ Posterior Pole

■ Structure and Function

MRW / RNFL - 06.02.2014

Visual Field - 11.10.2013

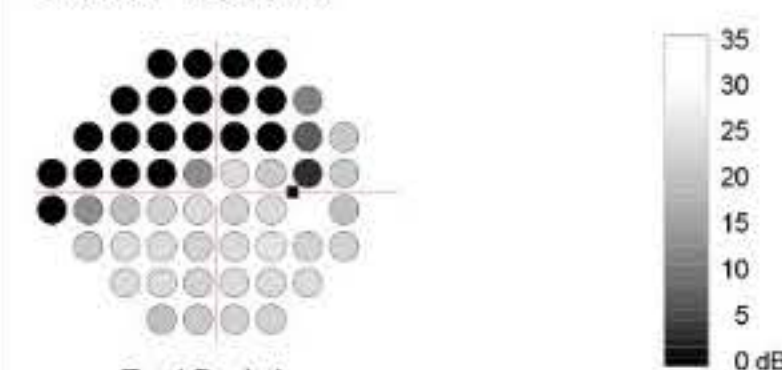
IR 30° ART [HR]



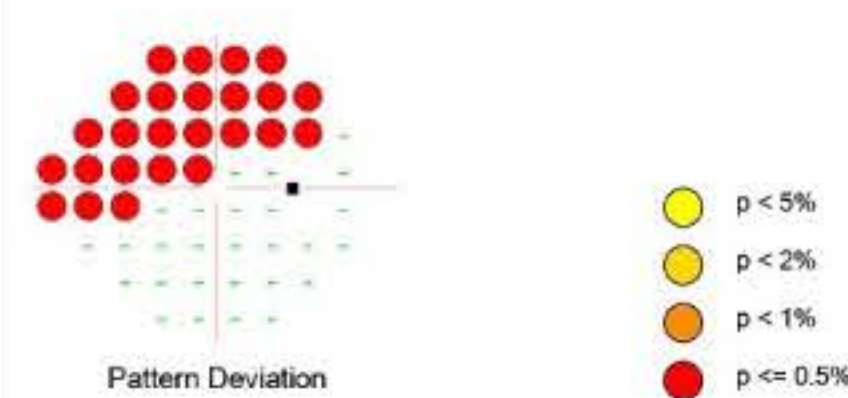
Within Normal Limits (p>0.05)    Borderline (p<0.05)    Outside Normal Limits (p<0.01)

FDF, 24-2, ASTA Followup

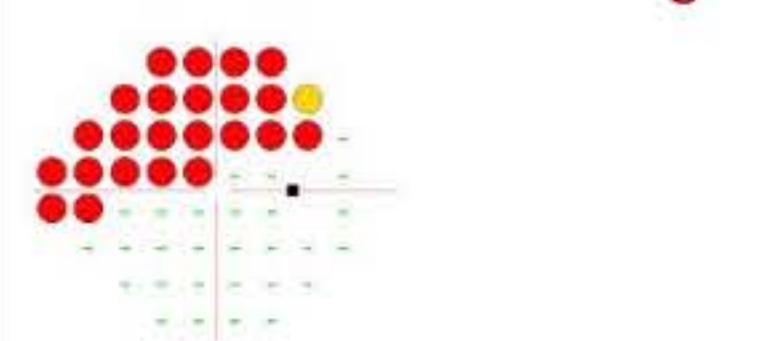
Grayscale - (legacy dB)



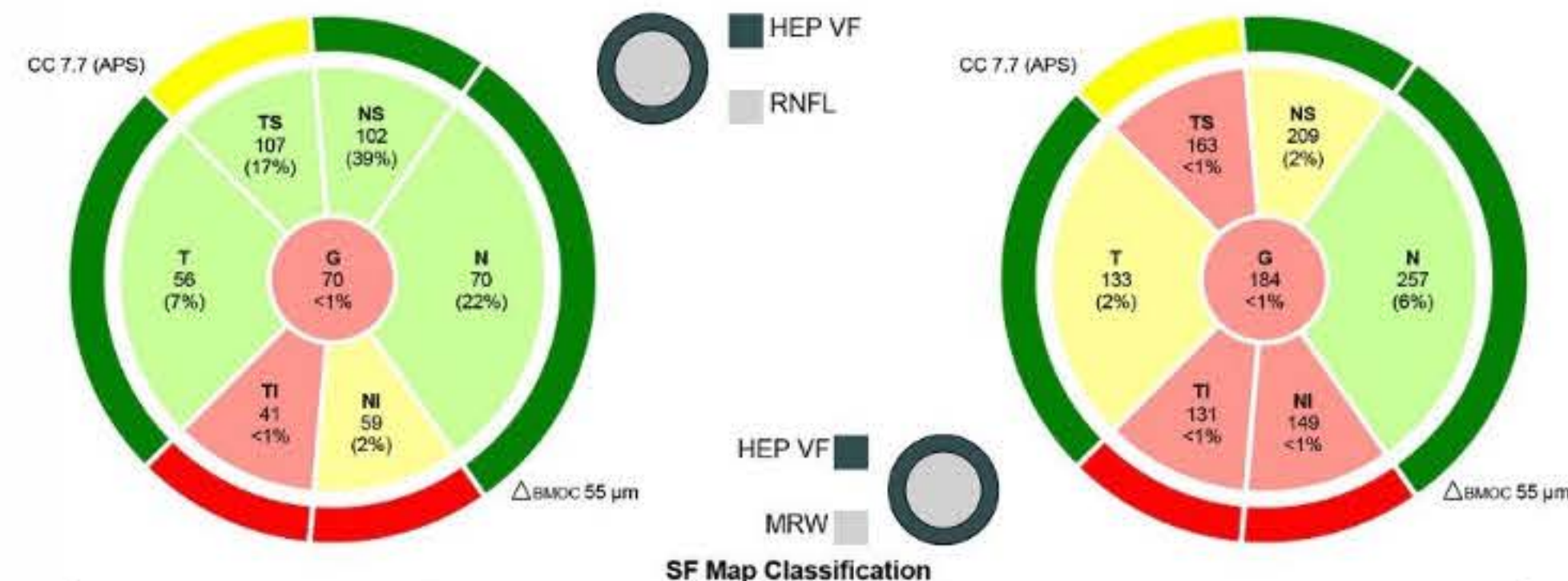
Total Deviation



Pattern Deviation



Duration: 03:40  
FP Count: 0 / 208 (0%)  
FN Count: 1 / 6 (16%)  
Fixation Losses: 44 / 208 (21%)  
MD: -13.35 p<=0.5%  
PSD: 10.22 p<=0.5%  
GHT: Outside Normal Limits  
Reliability: Low



Signature:

Software Version: SPECTRALIS® 6.0.9, HEP 3.0.0.0

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MRW, RNFL & VF Structure-Function Map

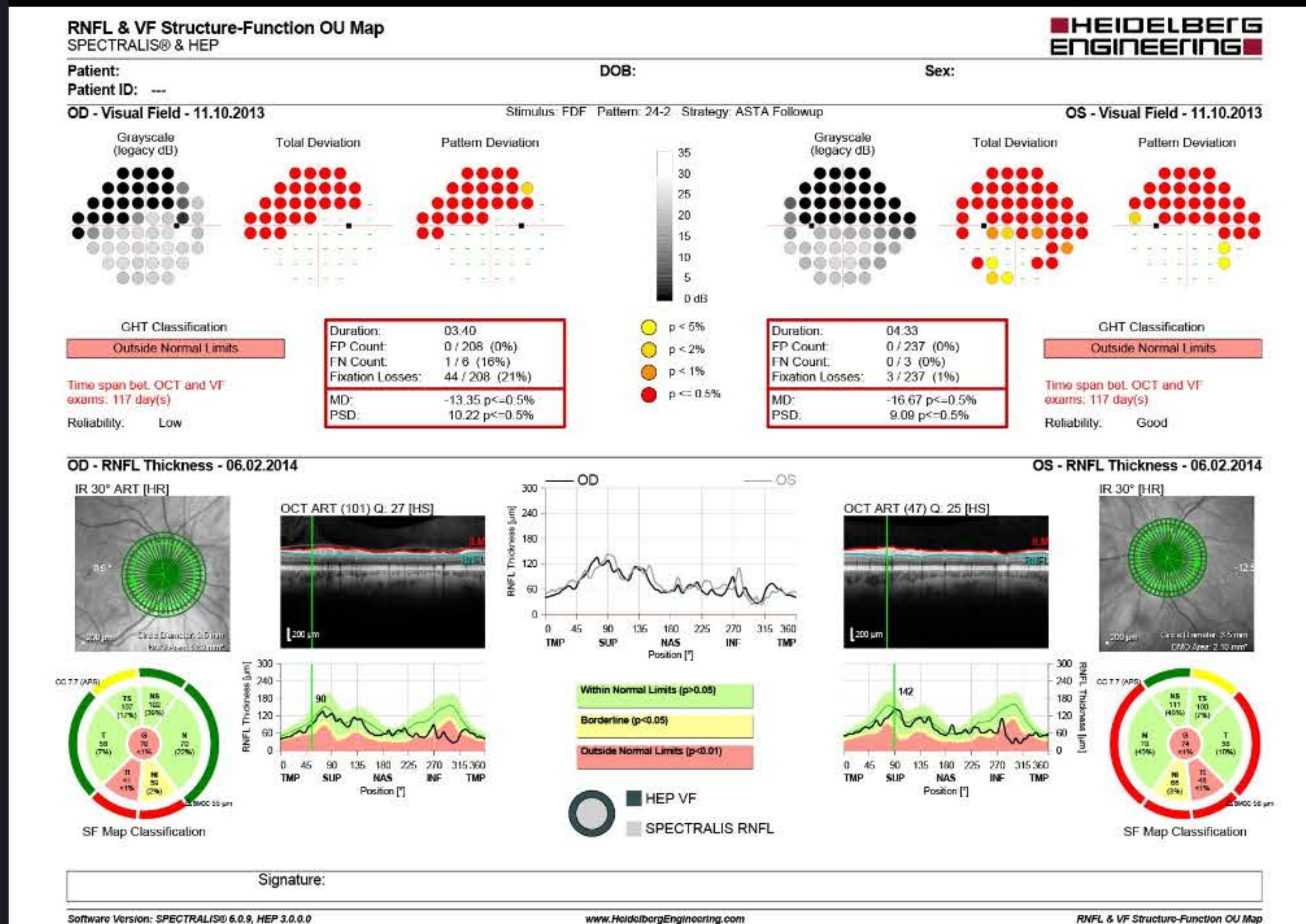
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# Glaucoma Module Premium Edition

**SPECTRALIS®**

The Glaucoma Module Premium Edition provides a comprehensive analysis of the optic nerve head, retinal nerve fiber layer, and ganglion cell layer by precisely matching unique scan patterns to the fine anatomic structures relevant in glaucoma diagnostics.



■ APS

■ Optic Nerve Head

■ Retina Nerve Fiber Layer

■ Posterior Pole

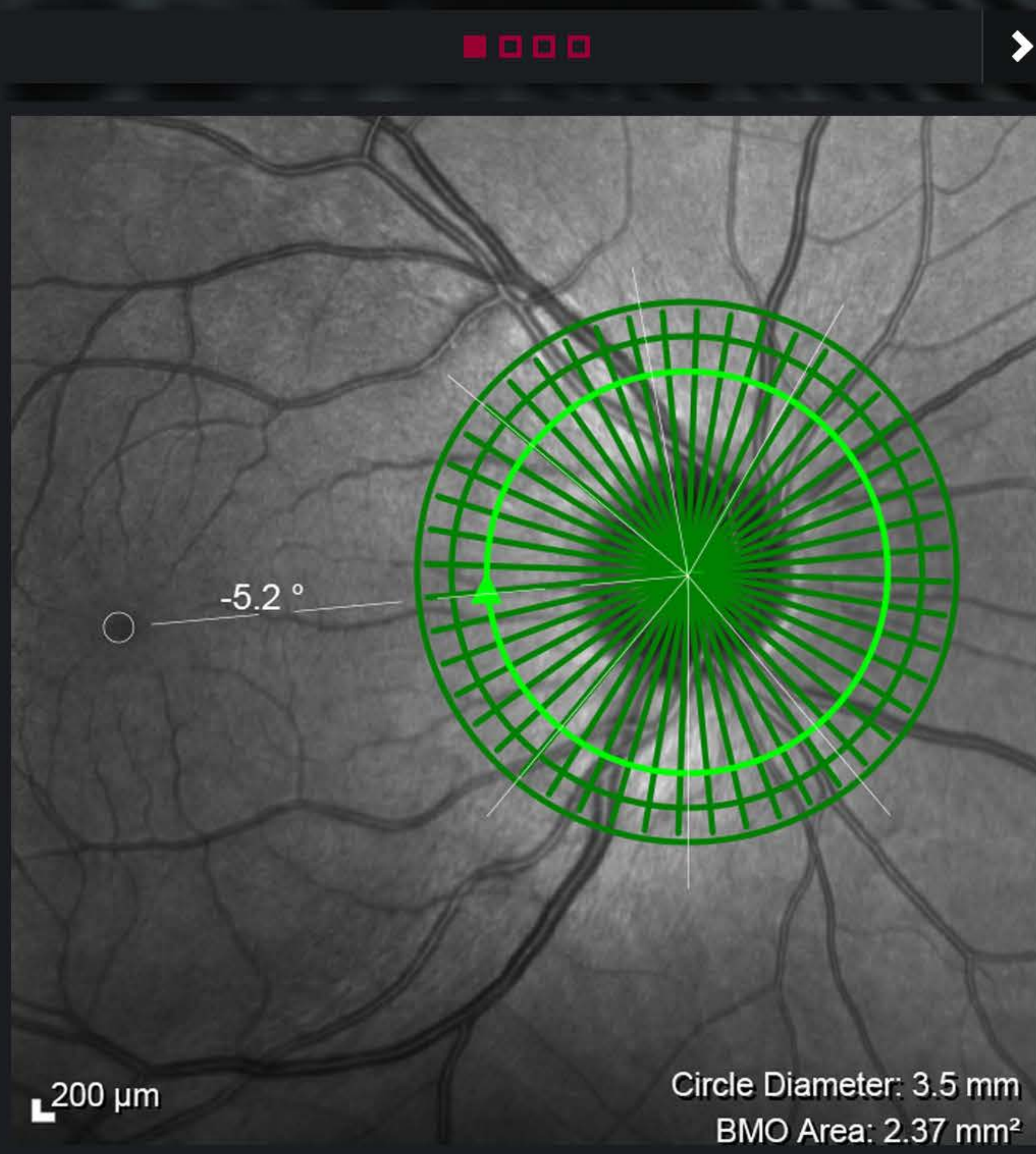
■ Structure and Function

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# Glaucoma Module Premium Edition

**SPECTRALIS®**



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*i*

The SPECTRALIS® Glaucoma Module Premium Edition combines the proprietary Anatomic Positioning System (APS) with a series of unique scan patterns to assess the optic nerve head, the retinal nerve fiber layer, and the ganglion cell layer. These scan patterns are precisely matched to the characteristics of fine anatomic structures relevant in glaucoma diagnostics.

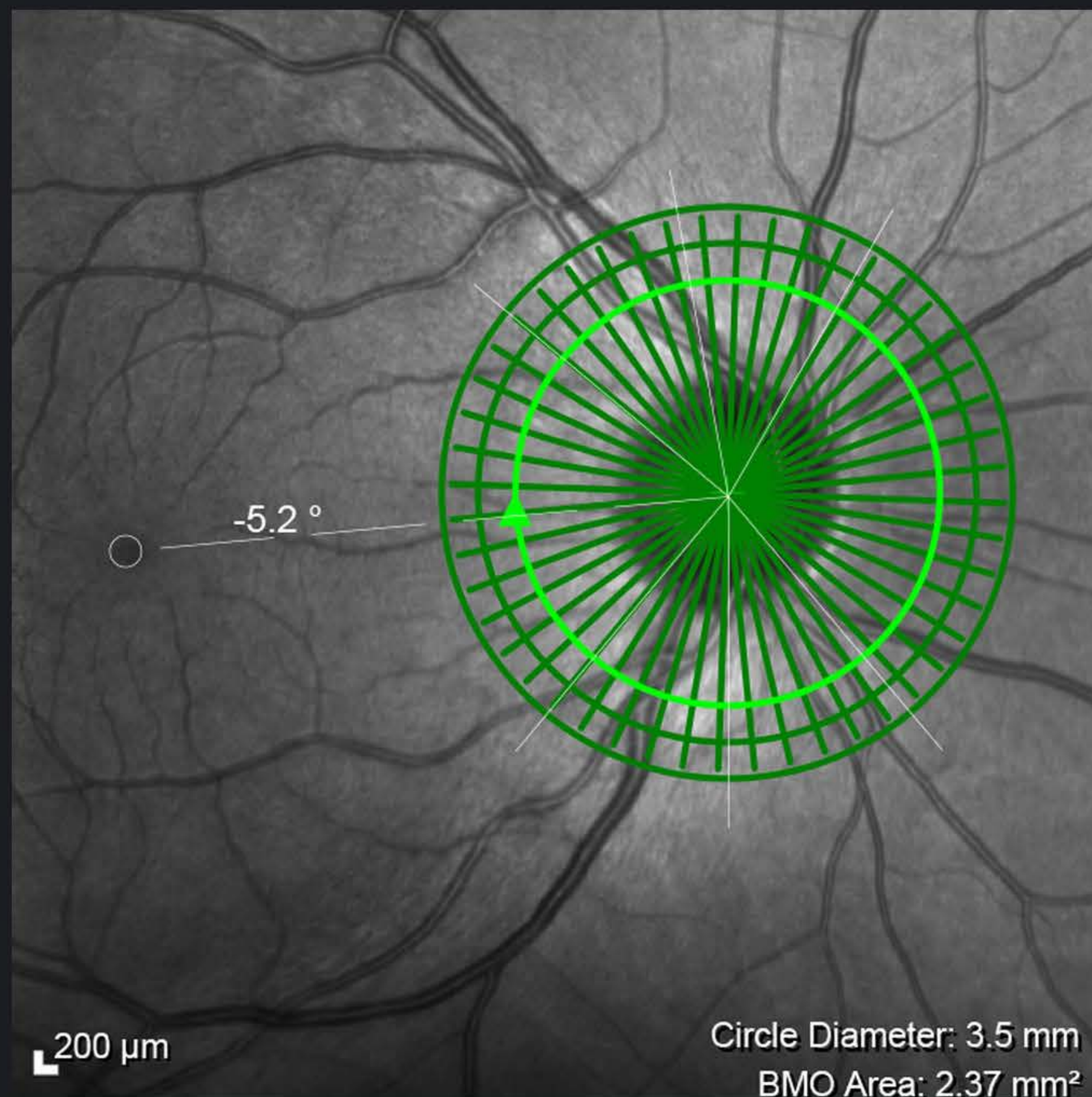
The glaucoma module compares patients' eyes to a reference database of normal eyes, noting even very small deviations. The precision of the SPECTRALIS AutoRescan function allows confident identification and monitoring of structural changes from visit to visit.

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# Glaucoma Module Premium Edition

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■ Posterior Pole

■ Structure and Function

More Information



Video: Simple  
Show GMPE



Video: GMPE  
at EyeWire TV



Article: SS-OCT  
vs. SD-OCT



Article Review:  
New BMO

