

# MYAH

Build, Manage, and Grow Your  
Myopia & Dry Eye Practice



# Expand Your Myopia & Dry Eye Practice.

MYAH offers an efficient, affordable and repeatable way to baseline axial length and monitor change over time. This versatile instrument also includes corneal topography, pupillometry, anterior cornea wavefront analysis, contact lens fitting tools and a full suite of dry eye assessment tools.

## Overview



Axial length measurements with NEW growth curves



Axial length, refractive error and corneal power trend reports



Corneal topography including keratoconus screening and pupillometry



Comprehensive suite of dry eye assessment tools



Patient-friendly with rapid capture



Compact, space-saving, easy to operate

Did you know that 50% of the world's population may be myopic by 2050?

Year	2000	2010	2020	2030	2040	2050
% of Global Population w/ Myopia	22.9%	28.3%	33.9%	39.9%	45.2%	49.8%

## Build, Manage and Grow Your Myopia Practice with MYAH

### BUILD YOUR MYOPIA MANAGEMENT SPECIALTY:

by capturing baseline axial length measurements and using the onboard growth curves to start the conversation with parents.

### MANAGE PATIENTS OVER TIME

with MYAH's trend reports. Add markers to indicate treatment dates.

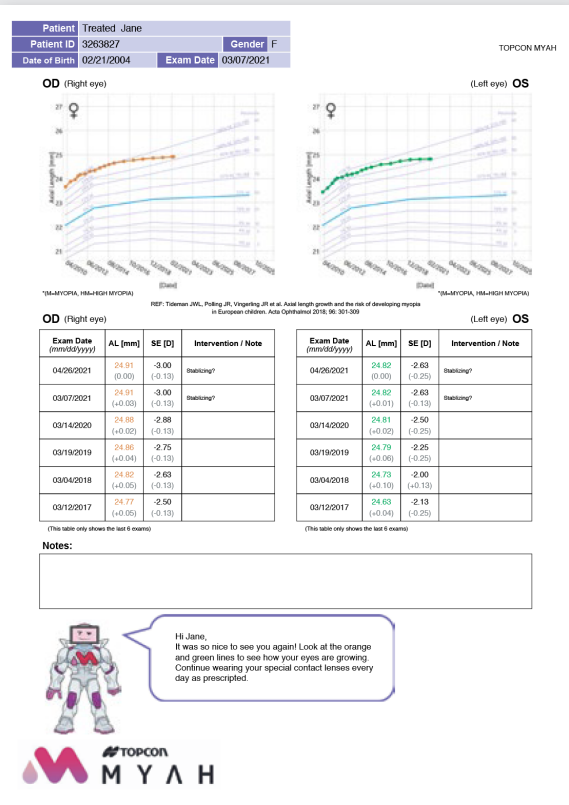
### GROW YOUR MYOPIA PRACTICE

with Topcon's Practice Implementation and Marketing Toolkit that helps you integrate new technology into your practice and promote expanded services to your patients.



# NEW! Introducing MYAH Growth Curves

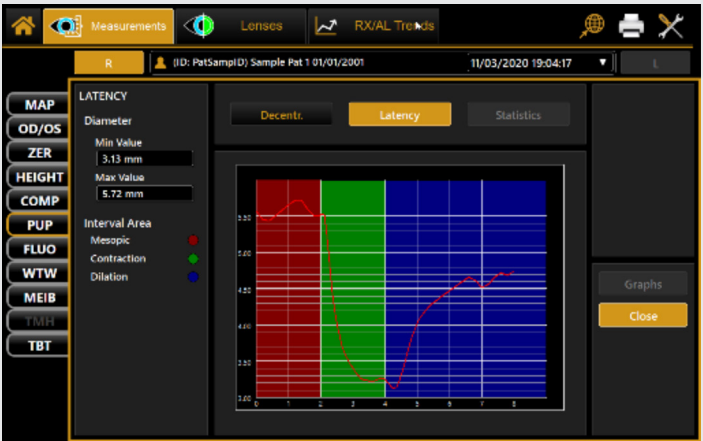
The majority of myopic eyes become myopic because of excessive axial elongation<sup>2</sup>. By using the extensive axial length dataset collected by Erasmus University (Rotterdam, NL)<sup>3</sup> now available on MYAH, you can monitor axial length and compare the patient's data with normative growth curves to better understand a child's risk of myopia in adulthood.



# Additional Features

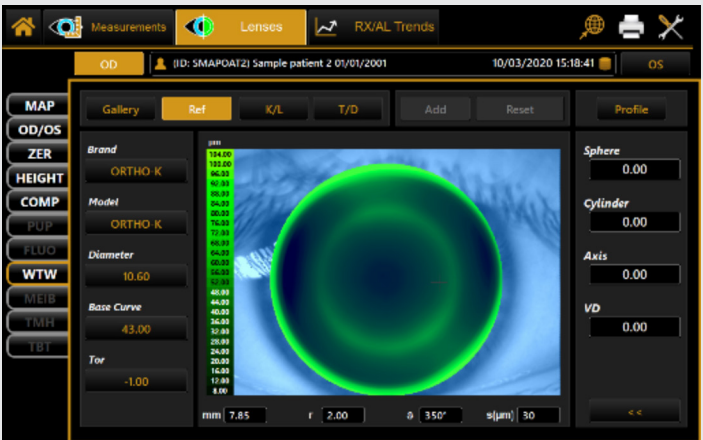
## Dynamic Pupillometry

Facilitates quick assessment of the size and light reflexes of the pupil, which may be useful to monitor low dose atropine compliance or to adjust the dose of atropine. The user can examine pupil centration and diameter over a range of light levels, which is useful for ortho-K and multifocal lens fitting .



## Contact Lens Fitting

MYAH reduces the number of trial lenses needed with a database of conventional RGP and Ortho-K lenses and fluorescein simulation. Export topographical data to third party calculators to streamline lens selection.



## Dry Eye Assessment Tools

Delivers comprehensive dry eye assessment with non-invasive tear break-up time (NIBUT), Meibomian gland imaging with area of loss analysis, tear meniscus height measurements, blink analysis, fluorescein imaging and video acquisition, and video review of anterior corneal aberrations between blinks.



\* percentile growth charts not available on the MYAH at time of publication of this brochure.



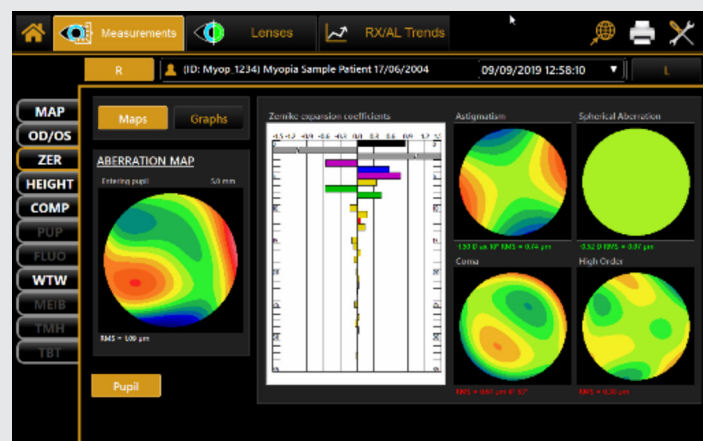
### Corneal Topography

Enables examination and analysis of corneal curvature and visit-to-visit comparison, which provides valuable information to assess keratoconus probability and support specialty contact lens fitting. White-to-white measurements are automatically calculated during topography to support the selection of contact lens diameter.



### Corneal Aberration Summary

Displays maps of higher order aberrations of the eye over different pupil sizes and simulates the effect on the patient's visual quality, helping the ECP optimize optical recommendations or contact lens parameters.



MYAH makes your practice dynamic and smart.

This versatile instrument, with its intuitive and user-friendly interface, integrates easily into your workflow and offers different options for exporting the results.

### 4 EASY STEPS



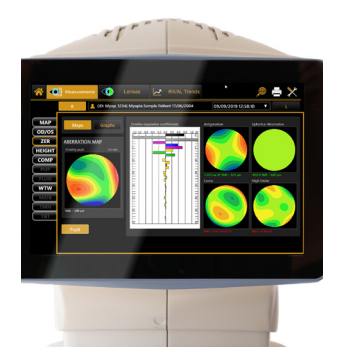
Select patient\* and acquisition mode.



Align patient and adjust automated chinrest.



Follow alignment guides to focus and trigger to start acquisition



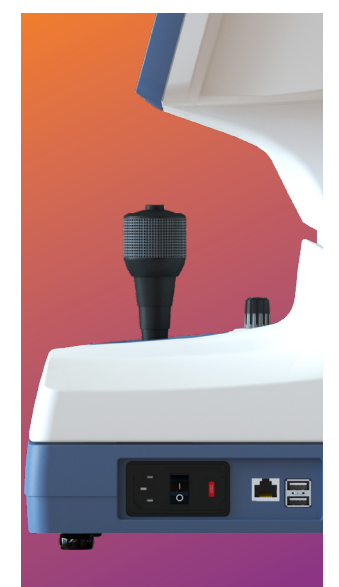
Review results and print/export reports to network or USB.

\* Create new patient, select existing patient or select patient from DICOM (search/worklist).

Small footprint fits anywhere in your practice.

# MYAH

- Optical Biometer
- Corneal Topographer
- Dry Eye Assessment



# MYAH Specifications

FEATURE	SPECIFICATION
<b>Keratoscopic cone</b>	24 rings equally distributed on a 43 D sphere
<b>Analyzed points</b>	Over 100.000
<b>Measured points</b>	Over 6.000
<b>Corneal coverage</b>	Up to 9.8 mm on a sphere of radius 8,00 mm (42.2 diopters with n=1,3375)
<b>Diopter power range</b>	28.00 – 67.50 D
<b>Display resolution</b>	0.01 D, 0,01mm
<b>Axial biometry</b>	Low-coherence interferometry on optical fiber (SLED @ 820 nm)
<b>Capture system</b>	Guided-focus
<b>Monitor</b>	LCD 10,1 inch capacitive touch screen
<b>Database</b>	Internal
<b>Pupillometry</b>	Dynamic, Photopic, Mesopic, Scotopic
<b>Fluorescein</b>	Image, Video
<b>Reports</b>	Corneal map, Comparison map, Contact lens, Height map, Zernike analysis, Pupillometry, Meibomian glands, Tear Film Break-up Time, Tear Meniscus Height, Rx/AL Trend analysis, Fluorescein report
<b>Working environment</b>	10 °C – 40 °C, Relative humidity 8 – 75% (no condensing), Atmospheric pressure 800 – 1060 hPa
<b>Power supply</b>	AC 100 – 240 V 50/60 Hz
<b>Power consumption</b>	100 VA
<b>Dimensions</b>	320 mm (W) x 490 mm (H) x 470 mm (L), 18 Kg
<b>Printing options</b>	USB printer, Network printer, PDF on network shared folder, PDF on USB PDF or Image on network folder or on USB
<b>Operating system</b>	Windows 10 64-bit
<b>RAM</b>	4 GB
<b>Hard disk</b>	500 GB
<b>External connections</b>	LAN integrated, 2x USB

## INFORMATION ON MEASUREMENTS

MEASUREMENT	MEASURING RANGE	DISPLAY RESOLUTION	IN VIVO REPEATABILITY
<b>Keratometry</b>	Radius of curvature	5,00 – 12,00 mm	±0,02 mm
	Curve Radius in Diopter (D) (n=1,3375)	28.00 – 67.50 D	±0,12 D
<b>Axial length</b>	15,00 – 36,00 mm	0,01 mm	±0,03 mm
<b>Pupil dimension</b>	0,50 – 10,00 mm	0,01 mm	N/A
<b>Limbus (white-to-white)</b>	8,00 – 14,00 mm	0,01 mm	±0,05 mm
<b>IBI Index (interblink interval)</b>	0,2 – 20,0 s	0,1 s	N/A
<b>Non-invasive break-up time (TBT)</b>	0,5 – 30,0 s	0,1 s	N/A
<b>Meibomian glands area of loss</b>	0 – 100%	1%	N/A
<b>Tear meniscus height</b>	0,10 – 1,00 mm	0,01 mm	N/A



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\* This product is not available in all geographic areas. Please check with your distributor for availability.

- Holden, BA, Fricke, TR, Wilson, DA et al. Global prevalence of myopia and high myopia and temporal trends from 2000 through 2050. Ophthalmology. 2016; 123:1036–42. Available from: doi: DOI: 10.1016/j.ophtha.2016.01.006
- Tideman, JWL, Polling, JR, Vingerling, JR, Jaddoe, VVW, Williams, C, Guggenheim, JA, Klaver, CCW. Axial length growth and the risk of developing myopia in European children. Acta Ophthalmol. 2018; 96: 301–309. Available from <https://doi.org/10.1111/aos.13603>
- Mandal, P, Berrow, EJ, Naroo SA, et al. Validity and repeatability of the Aladdin ocular biometer. BJO. December 01, 2015. Available from <http://dx.doi.org/10.1136/bjophthalmol-2013-304002>

### IMPORTANT

Subject to change in design and/or specifications without advanced notice. In order to obtain the best results with this instrument, please be sure to review all user instructions prior to operation. Medical device MDD Class IIa. Manufacturer: VISIA imaging S.r.l.

**VISIA IMAGING S.R.L.**  
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