Forus Health
Technology delivering Care

Expert Eyecare For Developing Vision

Tracking, Predicting & Analyzing Myopia Progression

3nethra

bio M



Myopia greatly impacts the quality of life and personal development of children.

It has never been a better time to join the battle against the global myopia epidemic. bio M is the perfect instrument for eyecare professionals interested in building, managing and growing a myopia service.

Overview of bio M

Powered by Advanced OLCR Technology

Fully Automated. Effortless to Operate.

13 Key Parameters. Both Eyes. Just 15 Seconds.

Track Progress with Axial Length & Axial Ratio Trend Charts

Advanced Myopia Type & Severity Detection



Comprehensive Refractive Error & Myopia Growth Risk Analysis

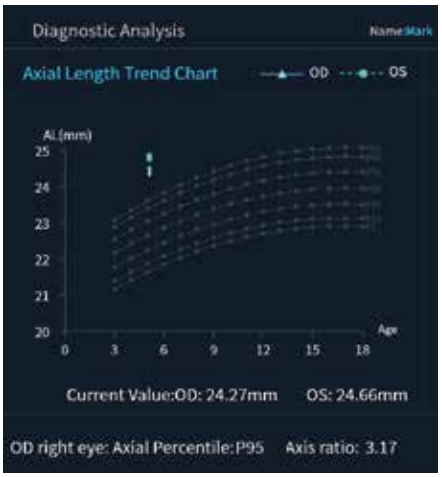
Myopia Type & Severity Detection

By pinpointing Axial vs. Curvature vs. Comprehensive myopia, empower clinicians to make smarter, highly personalized treatment choices



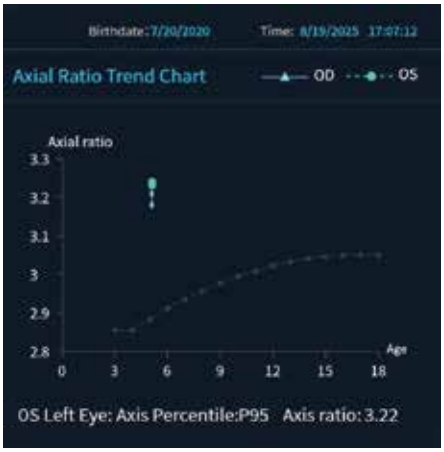
Axial Length Trend Chart

This chart tracks a patient's axial eye length over time and compares it with age-based percentile curves from a reference population. The patient's measurements (OD: right eye, OS: left eye) are plotted against percentile lines (P5–P95), helping clinicians determine whether eye growth is within the expected range or progressing abnormally. Higher percentile values or rapid upward movement across percentiles may indicate an increased risk of myopia progression, enabling timely intervention and personalized treatment planning.



Axial Ratio Trend Chart

The AL/CR ratio combines axial length and corneal curvature into a single metric, providing a sensitive indicator of myopia risk. Tracking changes over time helps clinicians detect progression earlier and optimize myopia management strategies.



Refractive Error & Growth Risk Analysis

Analyzes axial length growth trends to estimate myopia progression risk and classify patients into Low, Moderate, or High risk categories. Uses longitudinal axial length measurements to assess eye growth velocity and identify patients at increased risk of progressive myopia. Risk stratification supports evidence-based treatment decisions and



Technical Specifications

CONTENT	MEASURING RANGE	STANDARD DEVIATION	DISPLAY RESOLUTION
Axial Length	12~38mm	±25µm	0.01mm
Corneal Curvature (K1 & K2)	4.7mm~11.5mm	±10µm	0.01mm
Axis	0° ~180°	±9°	1°
Central Corneal Thickness (CCT)	300~800 µm	±2µm	1µm
White to White Distance (WTW)	6mm~17mm	±0.2mm	0.01mm
Pupil Diameter (PD)	1.8mm~13.6mm	±0.3mm	0.01mm

PARAMETERS	VALUES
Technology	OLCR (Optical Low Coherence Reflectometry)
Dimension and Weight	410(L) x 240(B) x 410(H) mm | 20 Kg
Display	10 inch Touch Screen Display
Power Supply	100-240V AC, 50/60 Hz | Output - 24V DC 2.7
Interfaces	USB, HDMI, WiFi, Bluetooth

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Version 1.0

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