MyoLess
Myopia Management Solution

" *Revolutionizing myopia management lenses for your children"*

MyoLess lenses were designed to give children the best possible visual experience while simultaneously treating their myopia progression.

They are not only extremely effective in **slowing down the rate of increase in myopia**; **they combat ocular elongation growth** thanks to their unique Myo Free-Form Technology, which adapts to the nasal and temporal asymmetry of the retina.

Each lens consists of a central vision area free of blur, surrounded by a carefully calibrated treatment zone of peripheral defocus. This unique design makes the lens more effective and more comfortable to wear.

The benefits →

Slower progression of childhood myopia by reducing the growth of eye elongation

Perfect vision in the clear vision area

Enhanced comfort, similar to a regular Single Vision lens

Superior aesthetics-treatment is undetectable on the lens surface, with no visible marks or lines

Remarkably thinner lenses for a slim and visually pleasing appearance, by allowing production in any desired material

Technologies →

Myo
Free-Form

Superior
Aesthetics

Technology licensed from Brien Holden Institute. Covered by one or more of US Patents 7025460, 7665842, 7997727, 8342684, 9423633 and corresponding foreign patents.

Adaptation period
Easy adaptation period, usually between 1-3 days.

Proven wearer satisfaction →

97%
of wearers say they feel
VERY SATISFIED
with the lens performance in
distance, intermediate and near

95%
of wearers reported
EXCELLENT COMFORT

100%
of wearers reported
GOOD SHARPNESS
while wearing the lens

iot
See the difference

Myo Free-Form

Asymmetric positive defocus on the back surface of the lens.

" *Take your children's myopia management to the next level"*

Myo Free-Form Technology is based on the hyperopic defocus theory. Standard negative lenses cause light to focus behind the peripheral retinal plane. This can stimulate the eye to elongate further and worsen the myopia over time. By contrast, a lens with positive power at the periphery enables light to focus correctly on the retinal plane.

MyoLess effectively slows down the progression of axial elongation in children's eyes. It achieves this by incorporating asymmetric positive defocus on the back surface of the lens, which is calibrated to the natural asymmetry of the retina. This ensures that all light is focused on the retinal plane, effectively combating ocular elongation, and slowing down the progression of myopia.


Proven European Clinical Trial Results →

↓ **39%**

Ocular elongation growth, measured by axial length increase, was an astonishing 39% **lower after 12 months** in wearers of this lens compared to a standard single vision lens

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MyoLess includes two zones. In the center is a clear visual zone, 7 mm wide, with an ovoidal shape that improves vision on the vertical axis. Surrounding this first zone, there is the myopia treatment zone with asymmetric peripheral defocus, strategically calibrated with +1.8D and +1.5D (temporal and nasal areas) and +2.0D at the bottom of the lens.

Foveal vision
(7 mm free of blur)
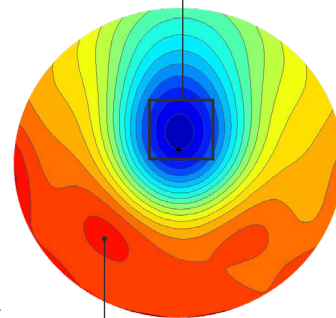
Asymmetric peripheral defocus

Superior Aesthetics

Unbeatable combination of aesthetics and lightness.

" *A slim lens design with no visible marks, for a natural look"*

Optimizes the aesthetic appearance of the lens by utilizing the optimal base curves and thickness optimization. Our technology provides a sleek and modern aesthetic for the wearer.

The treatment is also undetectable on the lens surface, with no visible marks or lines.

Target →

In a recent worldwide survey, eye care practitioners said that children **as young as 6 years old** with a **refractive error of -0.50D to -1.00D** are suitable candidates for myopia management eyeglass lenses.

Some predictive factors of myopia:

- Physical inactivity with high visual demand

- Myopia in both parents or high myopia in one parent

- Cycloplegic spherical equivalent less than +0.75D in children under 6 years

- Difference between temporal and nasal off-axis refraction (20–30°) > 0.5D in spherical equivalent

- Axial length over 23.5 mm with an eye refraction of + 1.00D

- Others: Ratio Axial Length / Corneal Radius > 3, AC/A ratio > 4 Δ/D, Pseudomyopia or/and Heterophoria > 4 Δ

73% of children wearing MyoLess lenses saw no significant increase in myopia after 12 months.

Instructions for patients →

Activities during adaptation period: During this period, avoid engaging in active sports and, for older patients, do not drive any vehicle.

Long-Term wear: After adaptation, the patient should wear the glasses permanently (except during sleep and active sports).

Checking position: Patient and parents should check the frame's position daily to ensure proper fit.

Regular visits: Attend regular optometrist appointments (frame adjustments, prescription review, myopia progression monitoring, and treatment adjustments).

Environmental factors: Control environmental factors such as spending at least 2 hours outdoors, taking regular breaks for near tasks, using proper lighting and correct working distance, etc.

Measurement information →

Providing personal measurements ensures the best possible lens performance to meet the unique requirements of your patients.

Even when personal measurements are not supplied, the patient will benefit from application of standard default measurements.
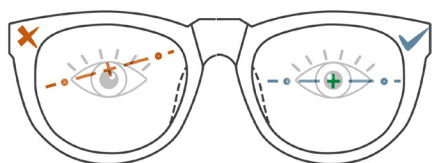
Prescription

Physiological position of wear data

- Monocular pupillary distance
- Fitting height

Frame data

Unbeatable combination of aesthetics and lightness. Regardless of the frame, our technology adjusts the lens design to provide optimal performance.

- A - Lens Width (Eye Size)
- B - Lens Height
- ED - Effective Diameter
- DBL - Bridge Size

- All lenses are produced with free-form technology and are marked with engravings and stamps
- Frame must be fitted before taking pupil position
- Fitting cross must sit in front of pupil. Recommended tolerances: 1mm vertical / 0.5mm horizontal
- Avoid misalignment in marks when mounting and ensure a correct distance vision in the upper area of the frame

Technical information →
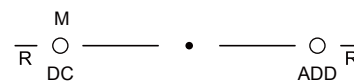
→ **Engraving Index**

M = Material   DC = Design Code   ADD = Addition Power

iot
See the difference