

Myopia Management Solution

MyoLess

In 74% of the children, myopia progression was less than 0.50D after two years of use.

$\frac{20}{200}$

M

$\frac{200 \text{ FT.}}{61 \text{ M}}$

$\frac{20}{100}$

$\frac{70 \text{ FT.}}{21.3 \text{ M}}$

$\frac{20}{70}$

Y O

$\frac{20}{50}$

$\frac{50 \text{ FT.}}{15.2 \text{ M}}$

$\frac{20}{40}$
 $\frac{20}{30}$

L E S S

$\frac{30 \text{ FT.}}{9.14 \text{ M}}$
 $\frac{25 \text{ FT.}}{7.62 \text{ M}}$

$\frac{20}{25}$

M Y O P I A

$\frac{20 \text{ FT.}}{6.10 \text{ M}}$

M A N A G E M E N T

S O L U T I O N

$\frac{20}{20}$

E M E W

$\frac{20}{10}$

iot

See the difference

24 months

M Y O P I A

MANAGEMENT
SOLUTION
E M E W

MyoLess Revolutionizing myopia management for children

Designed with cutting-edge technology and backed by extensive research, MyoLess, IOT's Myopia Management Solution, offers an exciting new approach to treating the "silent pandemic" of childhood myopia.

This lens is not only extremely effective in **slowing down the rate of increase in myopia**; it also **combats ocular elongation growth** thanks to its unique Myo Free-Form Technology, which adapts to the nasal and temporal asymmetry of the retina.

In clinical trials carried out with **European children**, wearers of this new lens had an astonishing **39% lower increase in axial length growth** after 12 months and **29%** after 24 months, compared to wearers of a single vision lens.

Manufactured with **free-form technology**, MyoLess is compatible with any standard single vision blank, reducing laboratory costs and lens inventory. It is also aesthetically pleasing, with no visible traces of the treatment showing on the lens surface.



Myo Free-Form Technology takes myopia management to the next level

MyoLess 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.

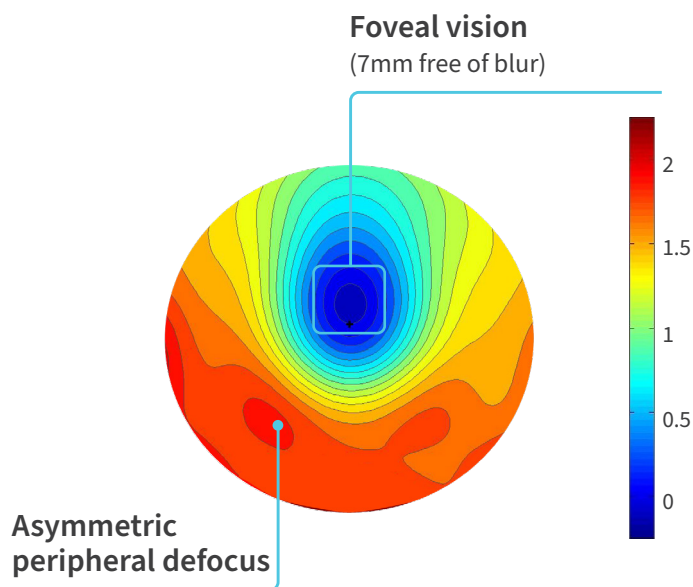
Myo Free-Form Technology is an advanced innovation that effectively slows down the progression of axial elongation in children's eyes. It achieves this by incorporating **asymmetric positive defocus** on the back surface of the lens, which is **calibrated to the natural asymmetry of the retina**. This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

Myo Free-Form Technology includes two zones. In the center is a **clear visual zone, 7mm in horizontal size**, 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. In conjunction, these carefully calculated zones give children the best possible visual experience while simultaneously treating their myopia progression.

E M 3 W

Myo Free-Form Technology distributes positive power at the periphery which is calibrated to the natural asymmetry of the retina.



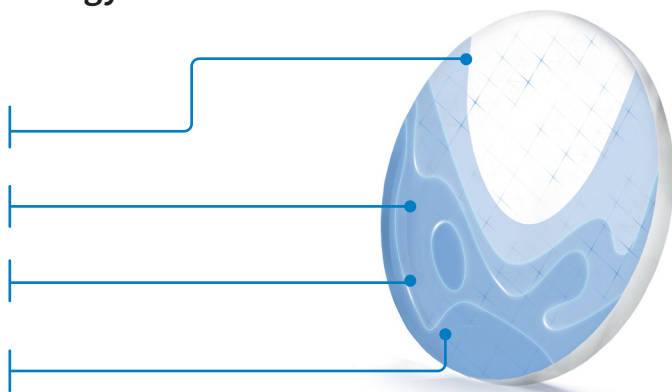
Manufactured by free-form technology using spherical blanks

Unparalleled versatility, allowing production in any desired material.

Reduced laboratory costs and lens inventory.

Remarkably thinner lenses for a slim and aesthetically pleasing appearance.

A flawlessly smooth and consistent physical surface, **comfortable and natural for a child to wear**.

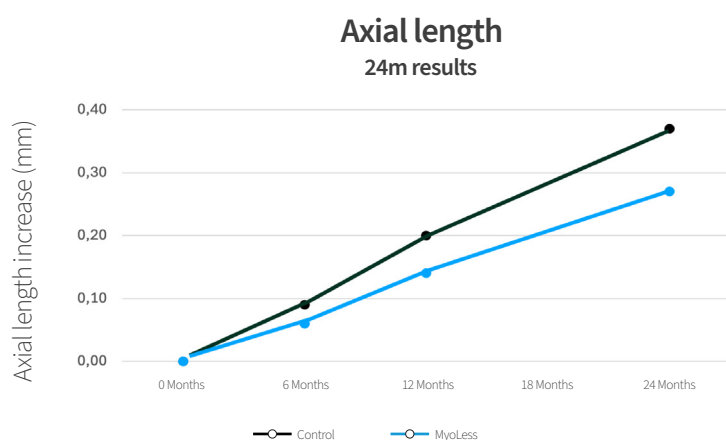


Proven European Clinical Trial Results

The efficacy of MyoLess has been evaluated in the **first randomized, double-blind study carried out specifically in a European population**. Children aged 6-12 took part, with **treatment continuing for two years**.

The study yielded remarkable preliminary results. **Ocular elongation growth**, measured by axial length increase, was an **astonishing 39% lower** after 12 months and **29% lower** after 24 months, in wearers of this lens compared to a standard single vision lens.

Analysis shows that wearers of our innovative lens technology experience significantly less ocular elongation growth compared to those using single vision lenses.

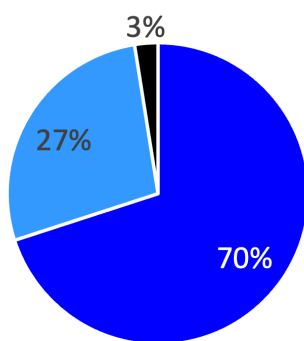


↓39%
after 12 months

↓29%
after 24 months

Notably, the satisfaction scores were found to be on par with those achieved using a single vision lens, **underscoring the seamless adaptability of children to our innovative lens solution**.

Performance all distances

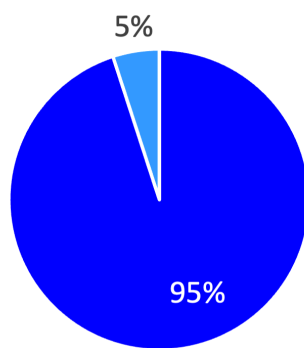


■ Excellent ■ Acceptable ■ Unacceptable

97%

were satisfied with the performance of MyoLess lenses at distance, intermediate, and near.

Comfort

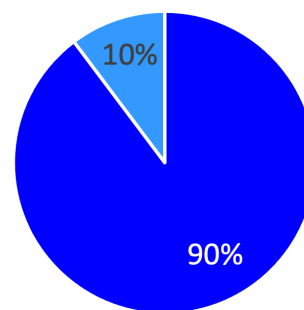


■ Comfortable ■ Can be improved ■ Uncomfortable

95%

said MyoLess lenses provided excellent comfort.

Sharpness



■ Perfect ■ Approved ■ Suboptimal

100%

reported good sharpness while wearing MyoLess lenses.



Target →

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

Myopia begins to develop during school years and it has been demonstrated that **its onset at early ages is a precursor for high myopia in future**. Prompt **treatment is crucial** to limit the chances of its progression. **The treatment should start as soon as the first symptoms of myopia appear.**

Benefits for patients →



Slower progression of childhood myopia: reduces the growth of eye elongation



Perfect vision in the clear vision area



Enhanced comfort: similar to a regular SV lens



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

MYOPIA

MANAGEMENT
SOLUTION
EM3W

Myopia Management Solution
MyoLess

MyoLess effectively combats ocular elongation growth.

Features →

Easy to prescribe JUST ONE solution for every child

Based on the defocus principle

MyoLess lens brings images formed behind the retinal plane forward with positive power in the horizontal axis.

Progressive Myopic Defocus

A carefully calibrated region of peripheral defocus which makes the lens much more comfortable to wear and suitable for treating myopia in children of any age.

Ovoidal-shaped viewing zone in the vertical axis

The visual zone has an ovoidal shape in the vertical axis for greater amplitude, resulting in enhanced comfort.

Asymmetric Myopic Defocus

Taking into account the asymmetry of the retina, the lens controls blur to prevent the eye from stretching and thus increasing myopia.

7 mm viewing zone in the horizontal axis

The clear vision zone is reduced to 7 mm in the horizontal axis to ensure greater efficiency.

Progressive smooth positive power

Our lens gradually and smoothly increases positive power from the center to the periphery.

Decreased ocular elongation growth

Our lenses reduce the growth of eye elongation in myope children.

Myo Free-Form Technology

Free-form technology ensures the ability to manufacture with any desired material, eliminating the need for special semi-finished products.

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www.iotlenses.com

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