OPTICARE

Free Call Number 1800 251 852
info@opticare.com.au

New South Wales Office
118 Adderley St, Auburn NSW 2144
Tel: 02 9748 8777 | **Fax:** 02 9748 8666

Queensland Office
Unit 3, 5 Navigator Place, Hendra QLD 4011
Tel: 07 3630 2366 | **Fax:** 07 3630 2399

Western Australia Office
6 / 63 Russell Street, Morley WA 6062
Tel: 08 9376 3700

www.opticare.com.au

Myopia Control

Myonic Digital Lens

OPTICARE

Envision the Possibilities

Myopia Control

The World Health Organization (WHO) recognises that myopia is increasing globally. Under corrected myopia is the most common cause of visual loss function in the world. Myopia progression can lead to serious eye health problems in patients. The Myonic lens is designed to slow down myopia progression in children.

High Myopia (above -8.00D) increases the risk of cataracts, glaucoma, retinal detachment, and degenerative maculopathy. These conditions can lead to blindness.

Today, there is an increase in early onset Myopia in children. The risk of this developing into high Myopia increases with age.

What Causes Myopia Progression?

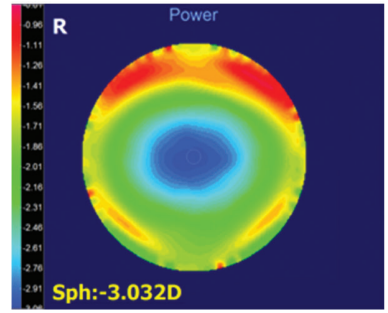
The back of the eye is a prolate structure. This creates a hypermetropic peripheral shift. This means that light that focuses on the fovea in the central macula region will focus past the retina outside the central area. This creates a situation where we have emmetropia on the fovea, but we have progressive hypermetropia in the corresponding peripheral retinal areas. This hypermetropic peripheral defocus is the main cause of Myopia Progression. Conventional lenses do not compensate for peripheral hyperopic defocus. The Myopic Digital lens is designed to compensate for is peripheral hyperopic defocus.

Myonic Digital Lens

The Myonic Digital lens corrects myopia at the fovea and more critically, simultaneously corrects the Peripheral hyperopia. Without this extra correction, the eye would have to continue to refocus to adapt to peripheral focal points. This unique feature helps reduce myopia progression by slowing down axial elongation of the eye.

The Myonic Digital lens allows peripheral light to focus on the corresponding retina without the need for accommodation creating clearer and more comfortable vision.

It is important to monitor the Distance Script every 3 or 6 months, depending on the progresssion. It is cirtical to check the axial length of the eye to assess the Myonic Digital Lens effect on myopia progression.



Distance Power –3.03D, Sphere Map with +3.00D peripheral defocus

Patients who can benefit from using Myonic Digital Lens

- 4–16-year-olds with myopia onset.
- For students with tired eyes.
- For students who spend more than 2 hours of close activity.