SIGHTGLASS VISION

Powered by Diffusion Optics Technology™

Let kids focus on life while we keep their future in sight

The importance of treating myopia not just correcting vision

Research shows that children are becoming short-sighted, or myopic, younger than ever before.[1]

Often short-sightedness is seen as 'one of those things' that happens as a child grows up.

But there are steps you can take now

Suitable for children as young as 6 years old, Diffusion Optics Technology™ spectacle lenses are your first step in helping to slow down short-sightedness in your child.[2]*

Act early to help change their future vision

The younger a child becomes short-sighted, the stronger their glasses may need to be to see clearly as an adult.[3,4]

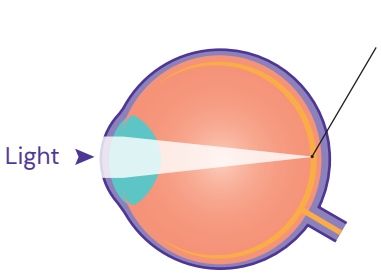
Act early to help reduce future eye health risks

Short-sighted children are also at a much higher risk later in life of serious myopia related eye problems such as retinal detachments and myopic macular degeneration, as well as the lifestyle impact of higher prescriptions.[5–8]

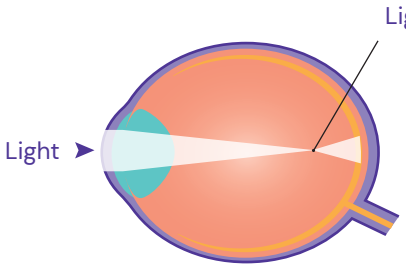
*Reduction in progression of spherical equivalent refraction and axial length from baseline over 24 months was 47% and 24% on average, respectively (p≤0.0041)

Short-sightedness explained

Short-sightedness typically starts in childhood and usually requires glasses or contact lenses to see the detail of distant objects, like text on the TV or the whiteboard at school.[9]



This is the shape of an eye with **normal vision**.



Short-sightedness is commonly caused by the eye growing too long.

The **longer the eye becomes**, the poorer the natural focus is on distant objects.

The causes of short-sightedness

Genetics and lifestyle both play a role in the development of childhood short-sightedness.[10–16]

Family history

Around **50%** of children with short-sighted parents will inherit the condition.[10] However, research shows children are becoming short-sighted younger than ever before,[1] which suggests it's more than just genes.

High contrast light

Focusing on **near-vision activities** such as using electronic screens, reading, and studying can also increase the risk of developing short-sightedness.[11,12] Research suggests the high-contrast light involved in these activities causes the eye to grow abnormally and become myopic.[13]

Not enough time outdoors

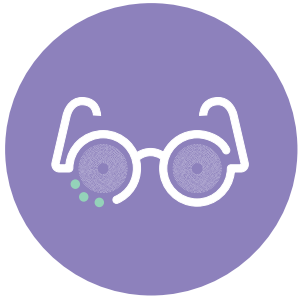
Daylight creates a **lower-contrast visual environment** and stimulates the production of vitamin D and dopamine, which are linked to healthy eye development.[14–16] Spending more time outdoors is linked to healthy eye development and can help delay the onset of short-sightedness.[14]

Now you can help slow down short-sightedness

If your child has been diagnosed with myopia, there are some clinically effective options that can slow the rate of progression.[17,18]

Myopia control spectacles

- Worn during the day
- Ideal for younger children
- Suitable for children aged 6+



Dual focus myopia control contact lenses

- Worn during the day
- Ideal for active children
- Suitable for children aged 8+

Orthokeratology contact lenses

- Worn overnight
- Lens free during daytime
- Ideal for children who frequently enjoy swimming and water sports

Diffusion Optics Technology™ spectacle lenses and your child

Diffusion Optics Technology™ spectacle lenses are clinically shown to slow myopia progression in children from as young as 6 years old.[2*^]

They are a simple, practical step to help slow down prescription changes.

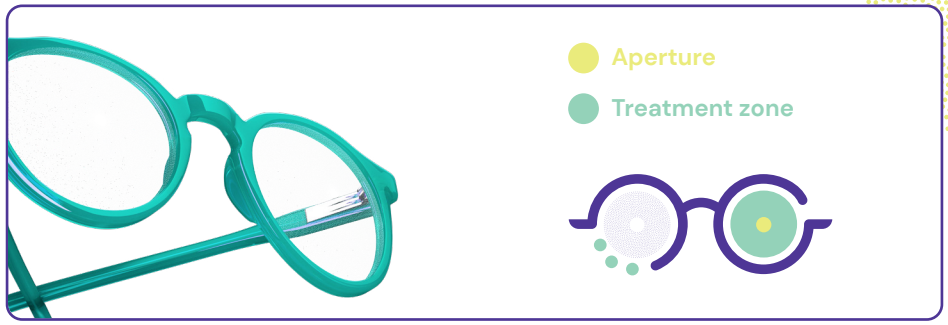
High-contrast light can interfere with the normal development of the eye by stimulating excessive eye growth.[13] Over time, this excessive eye growth leads to worsening short-sightedness. So, the sooner short-sightedness is managed, the better the long-term eye health and vision outcomes are expected to be.[19]

Slows progression of short-sightedness by

59%

on average, in children with full time wear over 2 years.[2†]

Diffusion Optics Technology™ spectacles lenses help scatter light, reducing retinal contrast which helps slow abnormal growth in young eyes.[20,21]



Designed for all day wear

A central clear aperture provides unfiltered vision when extra fine, near vision detail is needed.

Whether looking near or far, wear all day and be a star!

For maximum benefit[2], wear Diffusion Optics Technology™ spectacles all day, every day. This includes reading or when looking at other close-up objects.

*Subjects were 6 to 10 years old at screening. ^Reduction in progression of spherical equivalent refraction and axial length from baseline over 24 months was 47% and 24% on average, respectively ($p \leq 0.0041$). †Compared to control spectacle lenses. Analysis based on parent responses to in-office question, "Does your child remove their spectacles for any near vision activities?" (n=51 test, n=62 control). For the full study cohort, reduction in progression of spherical equivalent refraction baseline over 24 months was 47% on average.

Ask your eye care professional about Diffusion Optics Technology™.

https://www.sightglassvision.com/

Nothing in this leaflet is to be construed as medical advice, nor is it intended to replace the recommendations of your eye care professional.

References:

1. McCullough SJ, et al. *PLOS ONE*. 2016;11(1):e0146332. **2.** SGV data on file 2021. Control of Myopia Using Peripheral Diffusion Lenses: Efficacy and Safety Study, 24-month results (n = 256, 14 North American sites). **3.** Chua SYL, *et al. Ophthalmic Physiol Opt*. 2016;36(4):388-394. **4.** Chiang W-Y, *et al. J Ophthalmol*. 2021:e6612116. **5.** Jones D and Luensmann D. *Eye & Contact Lens: Science & Clinical Practice*. 2012;38(3):188-196. **6.** Mitchell P, *et al. Ophthalmology*. 1999;106(10):2010-2015. **7.** Tideman JWL, *et al. Acta Ophthalmol*. 2018;96(3):301-309. **8.** Sankaridurg P, *et al. Investig Ophthalmol Vis Sci*. 2021;62(5):2. **9.** Zadnick K, *et al. JAMA Ophthalmol*. 2015;133(6):683–689. **10.** Morgan P. Is Myopia Control the Next Contact Lens Revolution? The Optician (2016). Available at: www.opticianonline.net/cet-archive/127. Accessed August 2021. **11.** Gifford P and Gifford, K. *Optom Vis Sci*. 2016;93:336–343. **12.** Morgan IG and Rose KA. Myopia: is the nature-nurture debate finally over? *Clin Exp Optom*. 2019;102(1):3-17. **13.** Greenwald SH, *et al. Transl Vis Sci Technol*. 2017;6(3) **14.** Wolffsohn JS, *et al. Cont Lens Anterior Eye*. 2016;39:106–116. **15.** Yazar S, *et al. Invest Ophthalmol Vis Sci*. 2014;55(7):4552-9. **16.** Feldkaemper M and Schaeffel F. *Exp Eye Res*. 2013;114:106-19. **17.** The College of Optometrists. Myopia management. Available at: www.college-optometrists.org/the-college/policy/myopia-management.html. Accessed August 2021. **18.** Rappon J, *et al.* CYPRESS 12-month Results: Safety and Efficacy from a Pivotal Study of Novel Spectacle Lenses Designed to Reduce Myopia Progression. *Optom Vis Sci*. 2020;97:E-abstract 200036. **19.** Flitcroft DI. *Prog Retin Eye Res*. 2012;31(6):622-660. **20.** Rappon J, *et al. Invest Ophthalmol Vis Sci*. 2019;60(9):5845-5845. **21.** Rappon J, *et al.* Novel DOT Lenses from SightGlass Vision Show Great Promise to Fight Myopia. Review of Myopia Management (2020). Available at: https://reviewofmm.com/novel-dot-lenses-from-sightglass-vision-show-great-promise-to-fight-myopia. Accessed August 2021.

SightGlass Vision DOT 0.2 Trivex Spectacle Lenses CE

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