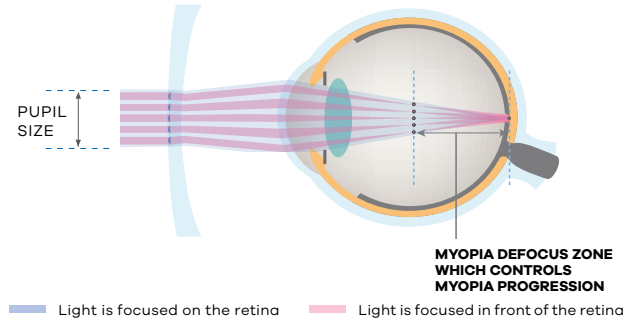


# HOW DOES MIYOSMART WORK?

Cutting edge research conducted by The Hong Kong Polytechnic University showed that myopia progression can be managed by providing clear vision and constant myopic defocus simultaneously.

## PRINCIPLE OF HOW D.I.M.S. TECHNOLOGY WORKS IN MIYOSMART



\*Illustration is not representational of actual lens shape and design



In 2018, the MiYOSMART lens with D.I.M.S. technology was awarded the prestigious Grand Prize, Grand Award and Special Gold Medal at the 46th International Exhibition of Inventions of Geneva, Switzerland.<sup>9</sup>



- Tse DY, Lam CS, Guggenheim JA, Lam C, Li KK, Liu Q, To CH. Simultaneous defocus integration during refractive development. Invest Ophthalmol Vis Sci. 2007 Dec;48(12):5352-9.
- Prize list of the 46th International Exhibition of Inventions of Geneva - 2018. [http://www.inventios-geneva.ch/images/2018\\_PRIZE\\_LIST\\_English.pdf](http://www.inventios-geneva.ch/images/2018_PRIZE_LIST_English.pdf), accessed 29.08.18.

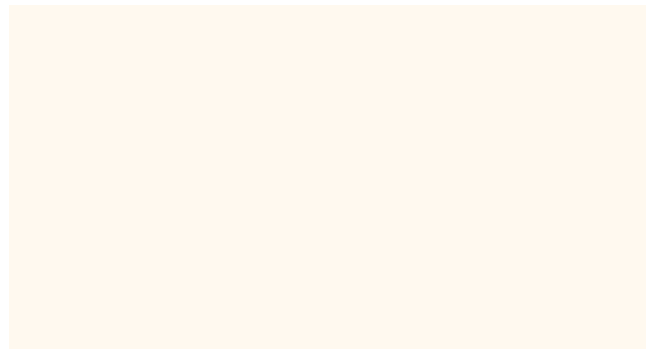
# WHY CHOOSE MIYOSMART?

Unique, innovative solution for managing myopia

Clinically Proven effectiveness in slowing down myopia progression

Child-friendly, easy to adapt and non-invasive

Contact us to find out more about **MIYOSMART**



**HOYA**  
FOR THE VISIONARIES

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**Disclaimer** - MiYOSMART lenses may not be able to address individuals' conditions due to natural deficiencies illnesses, pre-existing medical conditions and/or advanced age of consumers. The information contained herein is general information and is not intended to constitute medical advice. Please consult your eye care professional for more information prior to the use of MiYOSMART lenses.

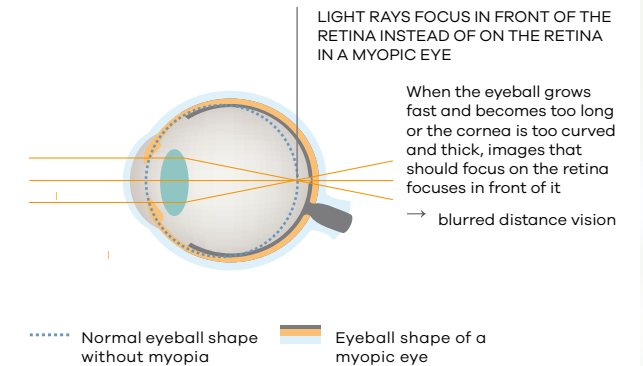
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**MIYOSMART**

# WHAT IS MYOPIA?

Nothing is more important than the health and wellbeing of your child, now and in the future, you want to see your child thrive and that's the key: seeing. You may have noticed your child struggling to see clearly at a distance, making it harder to concentrate at school and have a fulfilling experience at play. Your child may have myopia, or near-sightedness.

## ILLUSTRATION OF MYOPIC EYE



The incidence of myopia is expected to increase significantly<sup>1</sup> as lifestyle changes, with children taking part in more near-work activities like using digital devices, studying, reading and spending less time outdoors. Hereditary, behavioural and environmental factors also play a part.

Being able to have your child's myopia diagnosed early not only corrects their vision now, but can help slow the progression of myopia and preserve their vision and eye health for the future.

- Holden BA, Fricke TR, Wilson D.A, Jong M, Naidoo KS, Sankaridurg P, Wong TY, Naduvilath T.J, Resniko S. Global Prevalence of Myopia and High Myopia and Temporal Trends from 2000 through 2050. American Academy of Ophthalmology. 05/2016, vol.123, no. 5, p. 1036--1042. <https://doi.org/10.1016/j.ophtha.2016.01.006>.
- Huang H-M, Chang DS-T, Wu P-C. The Association between Near Work Activities and Myopia in Children--- Systematic Review and Meta-Analysis. 2015.PLoS ONE 10(10): e0140419. <https://doi.org/10.1371/journal.pone.0140419>.

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**MYOPIA MANAGEMENT FOR CHILDREN**



LET CHILDREN SEE A BETTER FUTURE  
**MiYOSMART WITH D.I.M.S TECHNOLOGY**

## CLINICALLY PROVEN TO DELAY MYOPIA PROGRESSION



An estimated **5 billion** people, or **half of the global population**, could be affected by short-sightedness by **2050**.<sup>1</sup>



Research shows that **more time spent on near-work activities** is associated with a **greater likelihood of myopia**.<sup>2</sup>



## CARING FOR YOUR CHILD'S HEALTH



**Do more outdoor activities**  
Spend more time outdoors, minimum 2 hours a day.<sup>4</sup>

### Regular and comprehensive eye examinations



Having regular eye examinations to ensure that myopia or other vision problems are detected and treated early, reducing worsening of vision, myopia progression and potential complications of high myopia.



**Take regular breaks**  
Take breaks from long intensive screen time or near-work.<sup>8</sup>



**Correct position of equipment**  
Take note of ergonomics, such as proper lighting, posture and, keeping the recommended working distance which are very important to keep your eyes healthy while doing the near-work.<sup>5</sup>

## MiYOSMART

## FEATURES



## BENEFITS

In response to the increasing levels of myopia and the levels of high myopic prescriptions, Hoya and The Hong Kong Polytechnic collaborated on research and development. By applying their focal theory to optical lenses, the research team developed D.I.M.S technology which can effectively manage myopia. All participants who completed the 2-year trial wearing MiYOSMART with DIMS Technology had myopia progression reduced by an average of **60%\***

MiYOSMART is a new non invasive myopia management solution. It is safe and convenient as they are just like wearing ordinary spectacle lenses. The lenses provide the vision correction so your child will experience comfortable vision for both near and distance vision. All this whilst also working to reduce the progression of their shortsightedness. They are easy to adapt to and are suitable for full time daily wear for a wide range of activities.



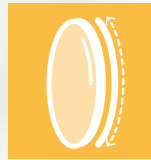
### D.I.M.S. Technology

- Non invasive management of myopia, clinically proven to correct both myopia and provide effective management of myopic progression
- Reduces myopia progression on average by **60%\***



### Eye Protection

- Made of polycarbonate material with high impact resistance\*\*
- Safe and durable, suitable for active wear
- Provides comprehensive UV protection for the eyes



### MiYOSMART Coating

- Water repellent - so easy to keep clean
- Special anti-reflective durable coating

**\*\*ANSI Z87.1 High Velocity Impact Test:**  
The American National Standards institute (ANSI) has established the most stringent impact and projectile penetration standards for ophthalmic lenses. The standard specified that high impact lenses must pass "high velocity" testing where .1" steel pellets are "shot" at the lens at a velocity of 150 feet-per-second. Polycarbonate passes ANSI Z87.1- the industry's highest standards for high-impact resistance ensuring full protection to every wearer.

\* Myopia progression (SER) by 59% and axial elongation (AL) decreased by 60% compared with those wearing SV lenses.

4. Shah R.L., et al, Time outdoors at specific ages during early childhood and the risk of incident myopia. Investigative ophthalmology & visual science. 2/2017, 58(2), pp 1158-1166

\* Myopia progression (SER) by 59% and axial elongation (AL) decreased by 60% compared with those wearing SV lenses.

5. Sankaridurg P1, Tilia D1, Morton M1, Weng R1, Jong M1, Zhu F2. Guidelines for Myopia Management. 1 Brien Holden Vision Institute; 2 Shanghai Eye Disease Prevention and Treatment Center <https://guidelines.brienholdenvision.org>, accessed 16.08.1018.