

Research tackling the burden of myopia.

Myopia (short- or near-sightedness) affects many school-aged children and is fast becoming a major public health issue of our time.



By 2050 there will be almost 5 billion myopic people globally, with nearly 1 billion of them in the high myopia category (Holden et al, 2016)

Prevalence varies by region and is particularly high in Asia; Singapore, China, Taiwan, Hong Kong, Japan and South Korea: 80-90% of children completing high school are myopic. (Holden et al, 2015)

More information

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Myopia Control Products



Brien Holden Vision Institute

We are developing optical devices, optical interventions and researching treatments to reduce the burden of myopia

Competitive advantage

Brien Holden has been at the forefront of myopia research and has leading experts in the field. Our research has given rise to the hypothesis, and key intellectual property (IP), that myopia progression can be reduced through controlling the position of both central and peripheral retinal image points.

Opportunity

CO-DEVELOP CONTACT LENSES AND SPECTACLE LENSES TO MANAGE MYOPIA PROGRESSION

- Myopia control is a virtually untapped market.
- China is experiencing myopia epidemic; the need for myopia control products is substantial.
- There are no myopia control contact lens products and limited myopia control spectacle products on the market.
- Increased risk of sight-threatening conditions associated with high levels of myopia will mean a surge in demand for treatments that can slow the progression.

Recent Research Projects

A significant slowing of myopia (30%) was observed in our clinical trial (conducted over 24 months) in China with 180 children wearing our contact lens designs.

Intellectual Property Portfolio

Our myopia control IP portfolio comprises of 18 patent families and can be incorporated into a range of optical devices including contact lenses and spectacle lenses

Track Record

With 40 years in eye health and vision care development, we continue the work of our founder, Professor Brien Holden, whose bold efforts revolutionised the contact lens industry, developing advanced lenses to correct eye conditions that affect the vision of billions of people.

- Research generated US\$260 million in royalties for partner intuitions.
- Educated 200 PhD students
- Three licence agreements signed in 2016/2017

Our experts



Prof Padmaja Sankaridurg | Dr Ravi C Bakaraju | Dr Monica Jong | Dr Arthur Ho