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Researchers develop lens to reduce myopia in children

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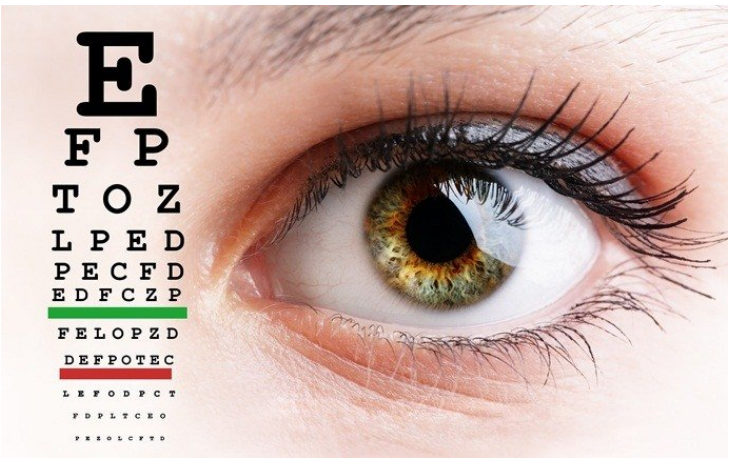

A team of esearchers from the Hong Kong Polytechnic University (PolyU) has developed a lens that may slow down the progress of myopia in children.

The team has designed a Defocus Incorporated Multiple Segments (DIMS) Spectacle Lens that could correct myopia and astigmatism.

The DIMS Spectacle Lenses comprise a central optical zone surrounded by multiple segments of constant myopic defocus. By simultaneously providing clear vision and myopic defocus for the wearer at all viewing distances, the lens makes use of a homeostatic mechanism known as emmetropization, whereby the eyeball adapts to receive focused images.

The DIMS Spectacle Lens has been licensed to a lens company experienced in eyeglass lenses and will be available in the market in this summer.