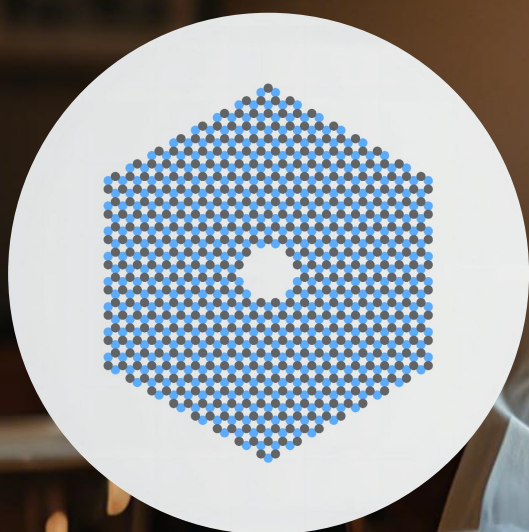




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Diffusion-Blended Lens //

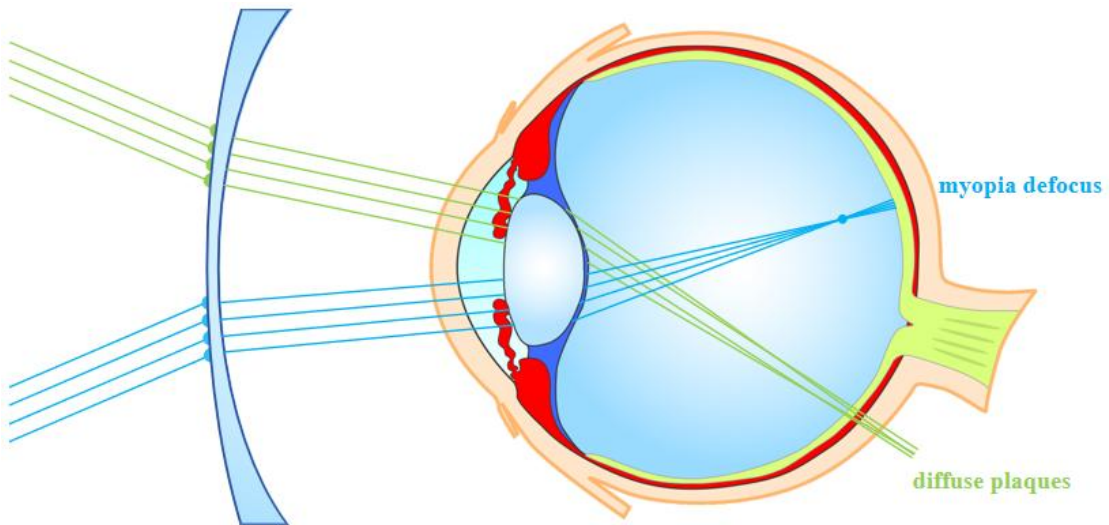
Product Advantages

- Multiple stimulus signal technology: Myopia defocus and diffuse spots jointly inhibit axial growth.
- Dynamic aberration modulation technology: efficiently and accurately matches the refractive power distribution data around the retina, finds the optimal stimulation amount within a reasonable range, enhances the stimulation around the retina, and further reduces the visual quality around the retina.

Most Suitable Wearers

- Children and adolescents with progressive myopia
- Children and adolescents with insufficient reserve of farsightedness

Fundamental Hypothesis



Using a positive lens to introduce myopic defocus signals and project the imaging onto the front of the retina, while introducing a surface with alternating positive and negative curvatures to introduce diffuse spot signals, breaking the inherent focusing concept and preventing incident light from converging and imaging at any position on the retina, further enhancing stimulation around the retina.

Visual Quality Quantification System

Quantify diffuse spots to select the optimal stimulus amount within a reasonable visual range: By analyzing the changes in the parameters of the surface with alternating positive and negative curvatures and the radius of diffuse spots on the retina, establish a relationship between the two and seek the best design solution.

Patents Provide Technical Protection

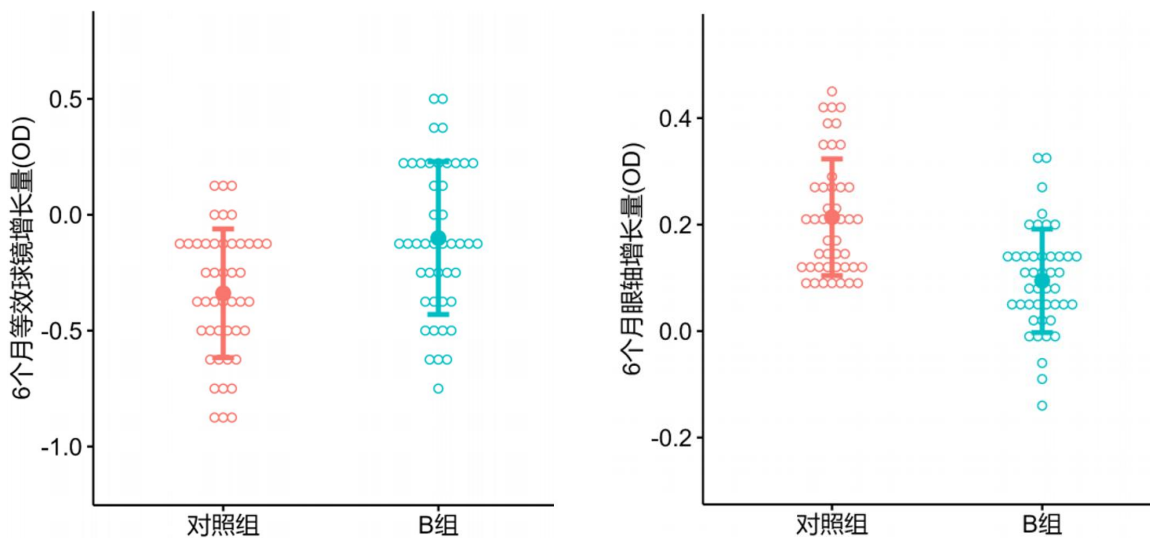


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Clinical Trials Provide Scientific Support



Half year clinical data results:

Compared with single focus lens, Diffusion Blended lens have a delayed refractive power increment of 0.29D, a delayed axial increment of 0.12mm, an effective control rate of 71% for equivalent spherical power, and an effective control rate of 57% for axial length.

Stimulus intensity evaluation---DPME

DPME is used to evaluate the performance of lenslet lens based on defocus amount, filling rate, diameter, surface shape, and optical zone diameter of the lens.

product	DIMS	HAL	CAREA	CAREB	Diffusion-Blended Lens
DPME	8.124	11.140	4.553	7.604	24.320

Production Information

refractive index	1.59 (PC)	Lens diameter: • SE less than -8.00D, 70mm • SE is -8.25D~-9.50D, 65mm • SE is -9.75D~11.00D, 60mm
DS	-11.00D~+2.00D	
DC	-4.00D~0.00D	
SE	-11.00D	
coating	green film, super water film, anti blue light film	