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Poster Abstracts
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Development of cognition skills in children by contact lenses for myopia control

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Purpose: Myopia is a growing public health concern worldwide, particularly among children, with potential long-term visual and cognitive implications. Recent advances in myopia control have introduced specialized contact lenses designed to slow the progression of myopia. This study investigates the impact of myopia control contact lenses not only on visual acuity but also on the development of cognitive skills in children.
Method: Through a longitudinal, controlled trial involving children diagnosed with myopia, we assess changes in cognitive functions such as attention, memory, and visual processing speed over a 12-month period.
Results: Our findings suggest that the use of myopia control contact lenses may contribute positively to cognitive development, possibly by enhancing visual comfort and reducing visual strain, thereby supporting better learning outcomes.
Conclusions: This research underscores the importance of integrated approaches in pediatric eye care, highlighting the potential cognitive benefits of early myopia intervention.

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