

# Oliver, 9

## Goal: Read 20 books this school year

In a parallel arm study, NeuroLenses **increased incremental reading speed by over 60% after a period of 35 days**, meaning your patients can be more productive for longer.



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# More Productivity Over Time



**In 2022, NeuroLens published a study showing NeuroLenses with contoured prism technology provided wearers with a statistically significant improvement in reading speed for up to 7 days of wear.**

This double-masked parallel arm study consisted of 55 patients (27 receiving the Control lenses and 28 receiving NeuroLenses), and the results showed that those wearing NeuroLenses demonstrated a reading speed increase after 7 days of 20.96 words per minute compared to an increase of only 12.40 words per minute for those wearing the Control lens. This represented a nearly 70% increase in incremental words per minute.

While these results demonstrated that contoured prism technology helped patients' eyes work better together to improve short-term reading speed, our next question was, *"Could this improvement be maintained over a longer timeframe?"*

To answer this question, NeuroLens ran a parallel arm study consisting of 44 young adults assigned to one of two subgroups (those receiving NeuroLenses with contoured prism technology and those receiving a Control lens).

Both groups of patients were given an updated refractive prescription in either their NeuroLenses or Control lens (a regular single-vision design with premium anti-reflective coating). Patients' reading speed was assessed using the WRRT (Wilkins Rate of Reading Test) reading speed test at baseline, again after 30 minutes of receiving their NeuroLenses or Control lens, and again  $7 \pm 2$  days after dispensing.

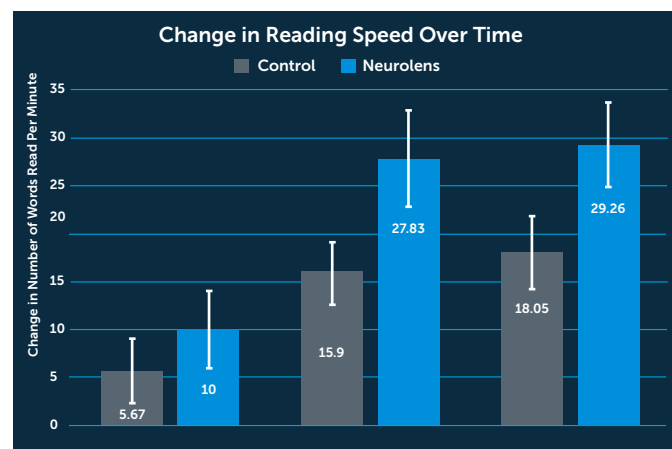
In addition, to take things a step further and determine the longer-term impact of contoured prism technology, these patients were assessed a final time  $35 \pm 2$  days after dispensing.

The results proved, yet again, that NeuroLenses with contoured prism technology help improve patients' reading speed and, beyond that, this benefit is long-lasting. NeuroLenses, once again, showed statistically significant improvement in reading speed at 30 minutes and 7 days, but this time they also showed statistically significant improvement after 35 days of wear per ANOVA analysis ( $p=0.0292$ ).

*"People seem to believe that vision is only about 20/20 eyesight—if you can see clearly, everything is fine. Contoured prism lenses help patients understand that glasses can be used for issues other than eyesight. When your vision works better, you are going to have a better life."*

**Brenda Montecalvo, O.D.**  
Nova Vision Care

The table below shows the full results of the study. As you can see, the benefit of reading speed with NeuroLenses is evident after only 30 minutes and accelerates after 7 days of wear. This benefit is maintained after 35 days of wear, and actually even continues to improve. While the Control lens also revealed an increase in reading speed, the effect for those wearing NeuroLenses was nearly double over all the study visits.



**Fig 1:** Comparison between Control and NeuroLens wear in the change in mean reading speed (+ standard error) at 30 minutes, 7 days and 35 days.

While NeuroLenses are a fantastic solution for those patients suffering from headaches, eye strain, motion sickness, neck strain, and other similar symptoms, this study sheds light on the opportunity for all patients who want to be more productive throughout the day to benefit from NeuroLenses long-term.

**Learn more about becoming a provider at [neuroLens.com](https://neuroLens.com)**