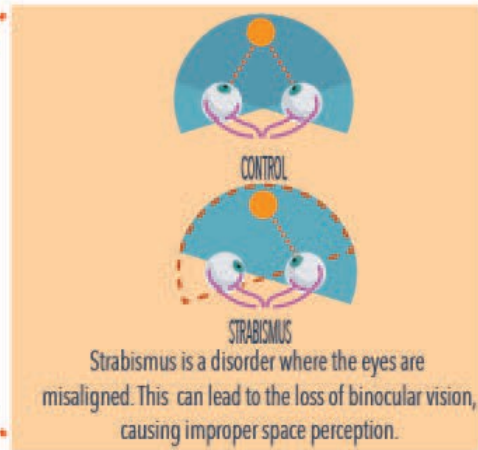


# POSTURAL CONTROL IN CHILDREN WITH STRABISMUS

The integration between the three sensory systems is key for maintaining postural control. Conditions compromising one of these systems may affect postural control.



## STUDY DESIGN

	Normal Vision	Eyes Closed	Sway-Referenced Vision
Fixed Surface			
Sway-to-Rotational Surface			

Researchers used the NeuroCom SMART EquiTest® to investigate whether having strabismus can impact postural control. The study included 24 children with strabismus and 22 children without strabismus. The participants underwent the Sensory Organization Test under six different conditions, as well as functional balance measures. These tests were completed over the period of a year (baseline, six months and 12 months).

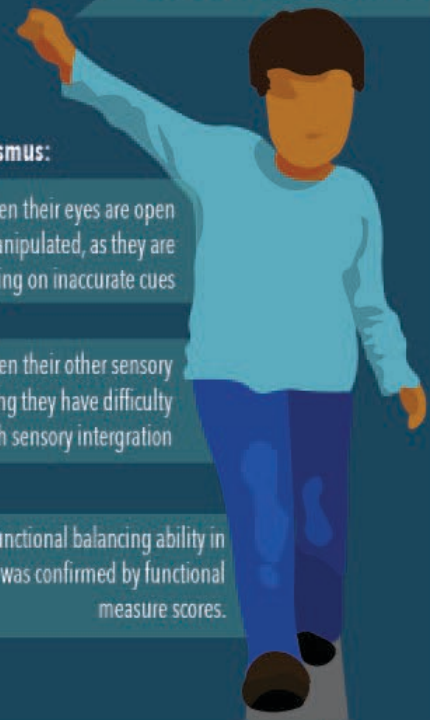
## STUDY FINDINGS

### Children with strabismus:

find it challenging to balance when their eyes are open or when their visual input is manipulated, as they are relying on inaccurate cues

find it challenging to balance when their other sensory systems are challenged, confirming they have difficulty with sensory integration

These factors are likely to affect functional balancing ability in children with strabismus. This was confirmed by functional measure scores.



With thanks to



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