

NEURO-OPTOMETRIC REHABILITATION OF INFANTILE NYSTAGMUS SYNDROME USING THE VISAGRAPh II™ FOR NEURO-FEEDBACK: A CASE STUDY

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BACKGROUND

Infantile Nystagmus Syndrome (INS):

- Previously known as congenital nystagmus
- Abnormal repetitive eye movement oscillations
- Usually conjugate and horizontal, but can be vertical and torsional movement
- Null point is commonly found
- Typical onset at 2 to 3 months of age
- Males affected twice as often as females
- Neuropathology is variable
- Treatment options include optical correction with glasses or contact lens, prism, vision therapy, surgery, and medication

CARE SUMMARY

History

- 13-year-old Asian male, previously diagnosed with INS
- Chief complaint of longstanding blur at distance
- Developmental history: full-term, no birth complications, no delays

Outcome:

- Improved subjective distance vision
- Increase in aided distance visual acuity
- Visagraph II™ showed reduction in the amplitude of the nystagmus

REFERENCES


Acknowledgement: This case study was made possible by support from Dr. Derek Tong, OD, FAAO, FCOVD, FNORA at the Center for Vision Development Optometry.