

Cerebellar Control of Eye Movements, Beh, Shin C. MD; Frohman, Teresa C. PA-C; Frohman, Elliot M. MD, PhD, *Journal of Neuro-Ophthalmology*: March 2017 - Volume 37 - Issue 1 - p 87-98

The cerebellum ensures the precision of ocular movements and occupies a central role in all classes of eye movements, both in real-time control and in long-term calibration and learning (i.e., adaptation). The flocculus-paraflocculus are crucial to VOR gain and direction, pulse-step matching for saccades, pursuit gain, and gaze-holding. The most important, intriguing, and impressive role of the cerebellum in eye movement control is its ability to constantly monitor the brain's performance, detect errors, readjust, and recalibrate its responses to guarantee optimal visual acuity

https://journals.lww.com/jneuro-ophthalmology/fulltext/2017/03000/cerebellar_control_of_eye_movements.20.asp

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