**Maddox Rod**

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	+ Purpose: to measure the relative horizontal or vertical deviation of the eyes, one with respect to the other, when fusion is interrupted
		- Can also be used to evaluate cyclo deviations
	+ The Maddox Rod is dissociative due to the cylinders within the MR
	+ Does not differentiate between phorias and tropias
	+ To determine vertical:
		- Use dim to moderate illumination
		- Have patient wear his/her habitual correction and hold the MR over the right eye with the streaks oriented vertically
			* Patient will see a horizontal line
		- Hold the transilluminator at 40cm for near or use the muscle light on the projector screen for distance
		- Confirm that the patient sees both a red line and a white light and ask the patient to note where the red line is in relation to the white light
			* Line directly through the light: no vertical phoria
			* If light is touching the line: 1Δ deviation
			* If light is overlapping but not centered: 0.5 Δ deviation
			* Line above the light: OD hypo (recorded as hyper OS)
				+ Red line is projected from inferior retina of OD
				+ Use BU prism OD (or BD prism OS) to neutralize
			* Line below the light: OD hyper
				+ Red line is projected form superior retina of OD
				+ Use BD prism OD to neutralize
		- Repeat in down gaze (advantage of out of phoropter)
		- Record phoria based on prism required to neutralize (using the hyper eye) in both primary and down gaze
		- If using for lateral, have patient hold the MR over the right eye with the streaks oriented horizontally
			* Patient will see a vertical line
	+ If testing in the phoropter
		- For near lateral: use 12 Δ BI OD (either Risley or prism bar) and decrease (or increase?) the prism until they are superimposed
		- For near vertical: use 6 BD OD (either Risley or prism bar) and decrease the prism until they are superimposed
	+ Note: using the transilluminator is not an accommodative target
		- Should affect lateral phoria measurements because you are not bringing in convergence but should not affect vertical