

Oculomotor Control Assessment

Client: _____ Therapist: _____

Date: _____ Referring Diagnosis: _____

Visual History: *Complete distance and reading acuity assessments before evaluating oculomotor function.*

____ childhood strabismus or amblyopia ____ eye patching ____ eye exercises

____ corrective eye surgery: age: _____ type: _____

____ eye trauma ____ in conjunction with brain injury ____ prior to brain injury (date: _____)

Comments:

Key Client Complaints/Observations-Focusing: ____ no complaint

____ visual blur ____ unable to keep objects in focus ____ difficulty reading ____ dry itchy eyes

____ turns head ____ tilts head ____ shuts 1 eye ____ squints ____ rubs eyes

____ eye fatigue/pain/headaches with sustained focusing ____ blinking, tearing, red rimmed eyes

____ fatigue/difficulty sustaining concentration-near tasks ____ leans back to view target

____ images/words break apart, float, change color, shimmer, disappear after sustained focusing

Key Client Complaints/Observations-Visual Vestibular Impairment: ____ no complaint

____ vision blurs during head movement ____ constant visual peripheral motion ____ balance difficulty

Key Client Complaints/Observations-Diplopia: ____ no complaint

____ doubling images ____ blurred images ____ ghosting images ____ crooked images

____ past pointing/reaching ____ balance difficulty

If present: ____ disappears when one eye is covered ____ remains when one eye is covered

Images split:

____ horizontal

____ vertical

At:

____ near distance

____ far distance

Diplopia is:

____ constant

____ intermittent

Diplopia is present in:

____ primary gaze ____ L gaze

____ R gaze ____ all directions

____ Client can achieve single vision _____ inches from the face.

Comments:

General Appearance: *Instruct client to focus straight ahead (e.g., primary gaze) on a distant target.*

Eyelids: ____ symmetrical ____ asymmetrical

R eyelid: ____ normal ____ partial ptosis ____ complete ptosis

L eyelid: ____ normal ____ partial ptosis ____ complete ptosis

Eye Position in Primary Gaze:

R eye: ____ center ____ deviated outward ____ deviated inward

L eye: ____ center ____ deviated outward ____ deviated inward

Head Position in Primary Gaze:

____ tilted down ____ tilted up ____ turned to R ____ turned to L

Nystagmus observed: ____ yes ____ no _____

Draw or comment



R Eye



L Eye

Corneal Reflections *Center penlight as client focuses on distant target: turn on penlight and observe corneal reflection in each eye; repeat with a near target.*

R eye reflection: ____ centered within pupil ____ inner rim of iris ____ outer rim of iris

L eye reflection: ____ centered within pupil ____ inner rim of iris ____ outer rim of iris

Draw or Comment:

Tracking Eye Movements: *Move target mid-range-15 inches horizontally, vertically, diagonally. Note visual stress (blinking, tearing eyes reddening) and ability to smoothly move eyes together without jerking and to stay on target.*

R Eye Tracking Target	L Eye Tracking Target
Vertically: up and down	Vertically: up and down
____ stayed on target ____ stressful	____ stayed on target ____ stressful
Comment: _____	Comment: _____
Horizontally: towards nose	Horizontally: towards nose
____ stayed on target ____ stressful	____ stayed on target ____ stressful
Comment: _____	Comment: _____
Horizontally: towards temple/ear	Horizontally: towards temple/ear
____ stayed on target ____ stressful	____ stayed on target ____ stressful
Comment: _____	Comment: _____

Diagonally: upper left to lower right

_____ stayed on target: _____ stressful

Comment: _____

Diagonally: lower right to upper left

_____ stayed on target: _____ stressful

Comment: _____

Diagonally: upper right to lower left

_____ stayed on target: _____ stressful

Comment: _____

Diagonally: lower left to upper right

_____ stayed on target: _____ stressful

Comment: _____

Diagonally: upper left to lower right

_____ stayed on target _____ stressful

Comment: _____

Diagonally: lower right to upper left

_____ stayed on target _____ stressful

Comment: _____

Diagonally: upper right to lower left

_____ stayed on target _____ stressful

Comment: _____

Diagonally: lower left to lower right

_____ stayed on target _____ stressful

Comment: _____

Draw or Comment:

Convergence: Move target towards bridge of nose until client breaks fixation (looks away/complains of double vision), move target back to starting position. Repeat several times.

_____ Follows target in and out 3-5 times without signs of stress

_____ Shows signs of stress when tracking target inward: blinking, tearing, eyes reddening, sighing

_____ Only able to follow target in 1-2 times before fatiguing or showing signs of stress

_____ Complains of headache or eye irritation after tracking target inward

_____ Leans head backwards to avoid moving eyes inward

_____ Only right/left eye follows the target inward

_____ Unable to follow the target inward

Comments:

Diplopia Tests

Cover/Uncover Test for Tropia: *Client focuses on distant target-quickly cover 1 eye-observe uncovered eye moving to fixate target. Record eye movement direction if eye moves. Test other eye; re-test both eyes using a near target.*

Testing L Eye	Testing R Eye
	

___ no eye movement

___ eye moves inward ___ eye moves outward

___ eye moves up ___ eye moves down



___ no eye movement

___ eye moves inward ___ eye moves outward

___ eye moves up ___ eye moves down

Comments:

Alternate/Cover Test for Phoria: *Quickly switch occluder between eyes-cover eye for 2 seconds. Observe eye **under cover** when occluder is removed and record eye movement direction if eye moves. Repeat several times; re-test using a near target.*

Testing L Eye	Testing R Eye
	

___ no eye movement

___ eye moves inward ___ eye moves outward

___ eye moves up ___ eye moves down

___ no eye movement

___ eye moves inward ___ eye moves outward

___ eye moves up ___ eye moves down

Comments: