

Appendix A

The Northeastern State University College of Optometry (NSUCO) Oculomotor Test

Saccadic Eye movement			
Ability		Accuracy	
1	Complete less than two round-trip	1	Large overshooting or undershooting is noted 1 or more times
2	Complete two round-trips	2	Moderate overshooting or undershooting is noted 1 or more times
3	Complete three round-trips	3	Constant slight overshooting or undershooting is noted (>50% of time)
4	Complete four round-trips	4	Intermittent slight overshooting or undershooting is noted (<50% of time)
5	Complete five round-trips	5	No overshooting or undershooting

Smooth Pursuit Eye movement			
Ability		Accuracy	
1	Cannot complete ½ in either clockwise or counterclockwise direction	1	No attempts to follow the target or require > 10 re-fixations
2	Complete ½ in either direction	2	Re-fixate 5 to 10 times
3	Complete one rotation in either direction but not two rotations	3	Re-fixate 3 to 4 times
4	Complete two rotations in one direction but less than two rotations in the other direction	4	Re-fixate 2 times or less
5	Complete two rotations in each direction	5	No re-fixations

Body and Head Movement			
Head Movement		Body Movement	
1	Large movement of the head at any time	1	Large movement of the body at any time
2	Moderate movement of the head at any time	2	Moderate movement of the body at any time
3	Slight movement of the head (>50% of time)	3	Slight movement of the body (>50% of time)
4	Slight movement of the head (<50% of time)	4	Slight movement of the body (<50% of time)
5	No movement of the head	5	No movement of the body