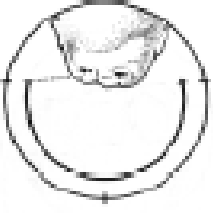


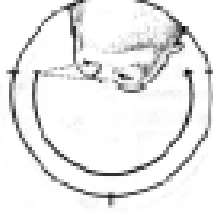


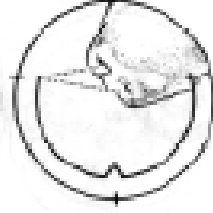

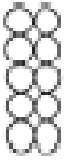
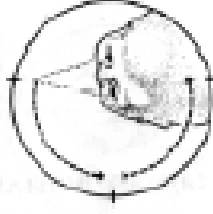



3. c. OCULAR PURSUIT (VISUAL MANIPULATION)

Developmental Levels		Pattern Components		Approximate Functional Focal Lengths		Pattern Components		
Right	Left	R	L	Near Space: 3 - 12"	Far Space: 6 - 30"		R	L
		Direction (Both Eyes)		Complementary Eye Movements: Eyes remain on stationary target during active head movements		Eye (Other Occluded)		
6 months				Eyes move independently from head to extreme right/left fields while tracking Tracks target horizontally 180° smoothly at all speeds, focal length 3" - infinity Tracks to circular direction smoothly at all speeds and focal lengths Tracks vertically upward smoothly at all speeds and focal lengths Tracks vertically downward smoothly at all speeds and focal lengths Smooth convergence from far to near space Smooth divergence from near to far space Tracks diagonally upward with midline pause to refixate Tracks diagonally downward with midline pause to refixate				
5 months				Eyes begin to move independently from head to limited upper/lower fields Tracks target horizontally 180° without midline jerk, focal length 3" - 6" Continuous diagonal tracking downward with some jerky movements Smooth convergence from far to middle space				
4 months				Eyes begin to move independently from head to limited right/left fields Tracks target horizontally 180° with midline jerk, focal length 4" - 8" Continuous circular tracking with some jerky movements Continuous vertical tracking downward with some jerky movements Continuous diagonal tracking upward with some jerky movements Smooth divergence from middle to far space				
3 months				Tracks target horizontally 180° continuously, overshooting, with midline pauses and re-localization, focal length 5" - 3" Tracks, lingers, and visually searches for target at point of disappearance Continuous vertical tracking upward with some jerky movements Beginning vertical tracking downward, in series of jerky movements, losing and regaining target Beginning diagonal tracking upward, in series of jerky movements, losing and regaining target Continuous convergence with some jerky movements from middle to near space Continuous divergence with some jerky movements from near to middle space Complementary Eye Movements: eyes remain on stationary target consistently during rapid and extensive voluntary head movements		