

Infant Primitive Reflexes Lab Worksheet and Study Guide

OTH 705

Reflex Name	Onset	Integration	Test Stimulus and Response	Implications
ATNR	Birth	6 Months	Turn head (passively or activity is supine) R: extensor tone on face side and flexor on skull side	Persistence indicates CNS dysfunction, affects rolling
STNR	6 Months	8 Months	Stimulus: position child in prone with passive or active neck extension Response: Upper extremity extension with neck extension with flexor tone in lower or reverse	Interferes with crawling (rabbit creep)
TLR	Birth	6 Months	Stimulus: Hold infant in prone position with slight clockwise rotation or prone with slight counter-clockwise rotation (see figures) Response: In prone, body and extremities tend to be dominated by extensor tone or flexor tone based on head movement	Tummy time will be difficult, need reflex to clear airway, if not integrated, a dominant posture persists dissociation from head/body will be limited
Galant	30 Weeks gestation	2 months	Stimulus-Suspend ed in prone, stroke infant's skin along one side of	Significance with children sitting in their chairs when older

			spine from shoulder to hip Response-lateral flexion of trunk to side of stimulus	
MORO	28 weeks gestation	5 months	Stimulus-hold baby in semi reclined position and suddenly drop head into extension Response-abduction of arms with fingers open with quick adduction of arms across trunk in adduction.	This reflex breaks flexion posture. Look for asymmetry. Implications with swaddling (why babies like to be swaddled)
Palmar Grasp	Birth	4 Months	Mild pressure ulnar side of palm Fingers curl around stimulus	Develops hand ROM
Plantar Grasp	8weeks gestation	9 months	Mild pressure to base of toes on sole of foot. Toes curl around stimulus	Needed for standing
Positive Supporting	35 weeks gestation	2 months	Hold infant in vertical position. Stiffening legs and trunk into extension	Absence could indicate muscle weakness or hypotonia
Primary Walking/Stepping	38 weeks gestation	2 months	Hold infant in vertical position. Reciprocal flexion/extension of legs and stepping	Precursor to walking
Rooting Reflex	28 weeks	3 months	Stroke face starting at the corner of mouth. Mouth opens and turns toward stimulus.	For feeding
Equilibrium Responses	Prone-4-6 months Supine-8 months	life	With slight push, body adjusts to	Absence could indicate

	Sitting 8 months Upright 10-12 months		change in orientation in space	sensorimotor system challenges
Protective Responses	Each side in sitting and forward-6-8 months Backward-9-11 months	LIFE	Arms catch before falling	Very important for protecting head