





























Hyperresponsiveness: Video Example



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Early Motor Indicators in ASD	
Motor	
 Delays in motor milestones (gross and fine motor), reduced mo activity (Bhat, Landa & Galloway 2011) Head lag (Flanagan et al., 2012) Hypotonia (Adren, 1993) Asymmetry when lying and crawling, asymmetry in posture (Tettels al., 1998; Esposite, 2009) Poor transitional movements (Tettelbaum et al., 1998) Decreased stability in sitting (Tettelbaum et al., 1998) Decreased anticipatory responses (Gallese, 2006) postural accommodations (Teitelbaum et al., 1998; Bhat, Landa & Galloway, 2011) open mouth for spoon feeding Early motor signs may be diagnostic clue for ASD as motor and sensory behaviors appear earlier than social and communication (Harris, 2017) 	
Image Source: https://commons.wikimedia.org/wiki/File:From_Babies_with_Love_product_image.jpg	93



























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	Conclusions	
	 Close relationship of motor, sensory, social-emotional, and cognitive 	
	May help to explain co-morbidity	
	 Early identification /intervention is critical: Motor (and sensory) signs may help with earlier identification 	
	 Comprehensive motor evaluations are warranted for children with ASDs and infants at risk for ASDs. 	
	 There is an urgent need to develop novel embodied interventions grounded in movement and motor learning principles for children with autism.(Bhat 2010) 	
	 intervention using a SI frame of reference is in high accord with the importance of integration through movement 	107





