





















Analysis	s of Sensory In	tegrative Functio	ns	
Visual	Vestibular	Proprioception	Tactile	Interoception Modulation
Visual motor	Postural control	Gross motor skills	Praxis	Regulation Arousal Affect Activity Level
Visual construction	Bilateral coordination Sequencing	Fine motor skills	Language Organization of behavior	Attention







	Autonomic L	imbic Re	ticula	ar Thalamus		Cerebellum	Basal G	anglia Cortex	(
	Behavioral consequences	Indicators of poor sensory modulation	(a	Inadequate CNS integration and processing of sensation		Indicators of po integration an	or sensory d praxis	Behavioral consequences	
Occupational Engagement Challenges	Sensory- related challenges with attention, regulation, affect, activity Withdrawal from, and avoidance of, sensory experiences Sensory seeking Poor self- efficacy, self-esteem	Over- responsivity • Aversive and defensive reactions Under- responsivity • Poor registration	Sensory reactivity	 Visual Vestibular Proprioception Tactile [Interoception] Auditory Olfactory Gustatory 	Sensory perception	Poor postural-ocular control Poor sensory discrimination • Tactile • Proprioception • Vestibular • Visual • Auditory Poor body schema	VBIS Somato- dyspraxia	Poor self- efficacy, self-esteem Clowning Avoidance of engagement in motor activities Poor gross, fine, and visual motor coordination Poor organization Sensory seeking	Occupational Engagement Challenges
	FIGUE	E 1-6 Complex	c sche	ematic representati	io	n of sensory integ	rative dysfu	nction.	
	<u>From:</u> Bundy With input fr	, A. C. & Lane, S. J. (om: Zoe Mailloux,	(fortho Shelle	coming). <i>Sensory integ</i> ey Mulligan, Diane Parh	<i>ra</i> t har	tion: Theory & Practic m, and Susanne Smith	<i>e, 3rd ed</i> . Philad h-Roley	delphia: F A Davis.	









Behavioral Observation	Underresponsive	Overresponsive
Attention	Perseveration Unaware	Hyperactivity Impulsivity/disinhibition Inattention
Emotion	Flat affect Alexithymia	Fight/flight Tearfulness Immobilization
Sensation	Responds slowly Poor discrimination	Hypervigilant Intense responses Poor habituation

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Duranania	
Dyspraxia	
 Delays in attaining motor 	space organized
milestones	 Prefers sedentary, not active
 Difficulty with learning new 	play
motor skills	 Difficulty with ideas (play and
•Difficulty with multi-step tasks	problem solving)
 Long time to learn routines 	 Emotional Dysregulation
 Difficulty keeping personal 	
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