





Explanation of the Title

- * Two different disorders * Autism represents other developmental disorders
- * Two different etiologies
- * Areas of overlap and similarities?



Child with both Trauma and Autism

- * Complicated picture
- * Won't be talking too much about this today
- * If differential diagnosis includes both, start with trauma but keep autism close in mind because

..... early intervention is KEY!





Cerebellum

- * Function:
 - * Motor planning, balance, coordination
 - * Attention/memory tasks
 - * Complex reasoning and problem solving
- * Abnormality seen in trauma and autism:
 - * Smaller volume

Amygdala

- * Function:
 - * Formation and storage of memories associated with emotional events
 - * Fight or flight response
- * Abnormality seen in trauma and autism:* Higher activation in both











Cortisol Elevation	Clinical Presentation
TRAUMA AUTISM Re-traumatization Play interactions	 * Emotional dysregulation * Tantrums/meltdowns * Aggression * Hyperactivity, impulsivity * Sleep disturbance * Feeding difficulties * Difficult peer interactions/difficulty with social engagement * Difficulty with transitions
Memories of trauma Novel environments Environmental triggers Eye contact Flashbacks Social interactions in general	
	 * Kicked out of preschool/daycare setting





Sensory Processing and Trauma/Autism

- * Some but not all children with trauma have Sensory Processing Disorder
- * Some but not all children with autism have Sensory Processing Disorder
- * MOST children with trauma or autism have some challenges with sensory processing

Attunement and Attachment

- * Attunement = how reactive a caregiver is to a child's emotional needs and moods
- Attachment = emotional bond that typically forms between infant and caregiver by which the infant gets primary needs met
- Engine of subsequent social, emotional and cognitive development
- * Development of many neural pathways dependent on a child's attachment relationship
- * Good attunement helps establish good attachment

Attunement and Attachment (continued) * Disconnect in the development of attunement and attachment in both case's * Interestingly, children with ability for secure attachment, especially if no cognitive

Treatment: General Points

- * Some treatments overlap
- Makes sense when looking at the underlying neurobiology and involvement of sensory processing
- Obviously there is a need for treatment to be different because the underlying etiology is still different

Common Goals of Treatment

- * Diminish autonomic arousal
- * Improve emotional regulation
- * Increase emotional expression
- * Engage cognition

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 Strongly based on caregiver's attunement

* Non-medication and medication approaches

Therapy: Common Themes

- * Dyadic therapy approach
- * ASD: less so for ABA, seen in RDI and DIR Floortime
- * Emphasis on co-regulation
- * Sensory strategies
- * Movement tools
- * Mindfulness
- * Referral for other developmental services as needed

Treatments (medication)

- * Alpha-2 agonists (guanfacine, clonidine)
 * Calming physiological reaction to stress can calm the psychological reaction to stress
 - psychological reaction to stress
 Helpful for impulsivity, anxiety, hyperarousal
 - Reipiui foi impuisivity, anxiety, hyperarousa
- * Antidepressants (SSRIs)
 - Can be helpful for anxiety and mood symptoms and possible impulse control issues
 - Side effects: akathisia, worsening agitation, anxiety
- * Stimulants
 - Not particularly useful for hyperarousal state
 - * Can cause worsening of anxiety symptoms





