

Land acknowledgment

"We are gathered today on the land of the (______fill in as indicated) peoples. I ask you to Join me in acknowledging the (______) community, their elders both past and present, as well as future generations. We also acknowledge that our founded in the aftermath of influences that led to exclusions and erasures of many Indigenous peoples, including those on whose land we are currently located. This acknowledgement demonstrates a commitment to continuing the process of working to dismantle the ongoing legacies of settler colonialism including racial, cultural, and political accusations and judgments about risk and blame associated with alcohol use and the role it plays in shaping and reinforcing stigma in our communities."

In this series



Preschool and Social Development

School Age and Learning

Middle School and Challenging Behaviors

High School and Transition to Adulthood

Adulthood and Interdependence



Objectives

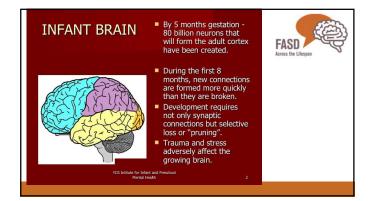


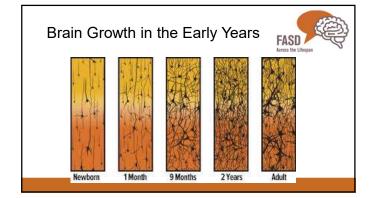
- 1. Understanding of the effects of prenatal alcoholexposure on early developmental milestones
- 2. Understanding of the sensory processing issues that affect early development
- 3. Relationship-focused early interventions

Why is Early Intervention Important?



- Infancy is a period of profound development in the brain unmatched by any other period with over 1 million neural connections made every second an incredible opportunity (Centre on the Developing Child, 2017)
- Early experiences (both positive and negative) have a decisive effect on how
 the brain is wired. Practitioners who understand even the most basic brain
 science of brain development are better equipped to meet the needs of this
 young group of children.
- When young children focus on getting their basic needs met, these connections in the brain mature, while other circuits may be lost if unused/activated.







Premature Birth





- Low Birth weight <2500 grams or 5.5 lbs
- Small for gestational age (SGA)
- Intrauterine growth restriction (IUGR)
- Some infants may be both premature and low birth weight



Types of sleep disturbances



Difficulties falling asleep

Frequent awakenings during the night for minutes or even hours

Early morning awakenings

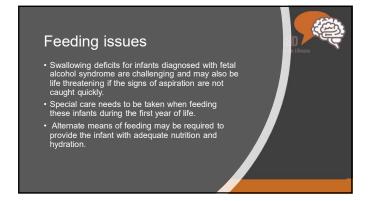
Other but less frequent:

- Night terrors
- Sleep walking
- Day time fatigue





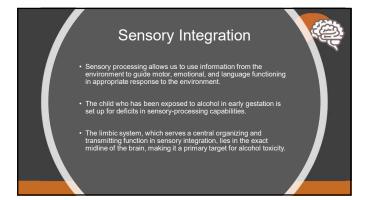


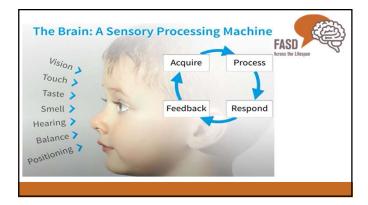


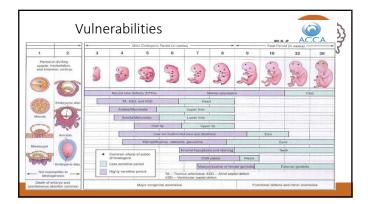


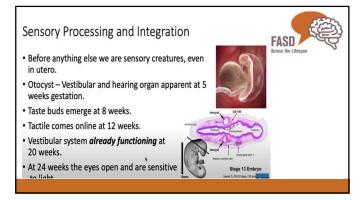












Sensory Integration Dysfunction may show up in several ways. If a child cannot filter information as it comes into the brain, the brain quickly becomes overloaded and causes the child to avoid sensory stimuli. Conversely, when there is a problem integrating and organizing sensory information, the brain receives too little input and seeks out additional sensory information. Some children with prenatal alcohol exposure may have higher sensory thresholds, and others may have lower sensory thresholds.













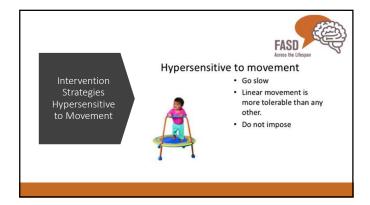
Red Flags Vestibular System Hyposensitive

- · Sensory seeker
- Poor safety awareness
- · Lack of fear
- Poor muscle tone and joint stability
- Difficulty with balance and protective responses
- Difficulty with activities that require bilateral motor coordination

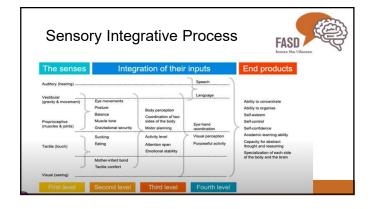




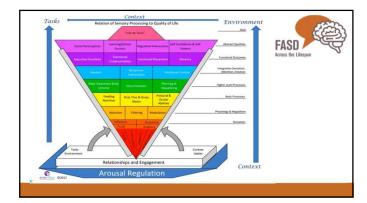








"In order for an individual to develop robust gross and fine motor control and skill; interpersonal competency; academic aptitude; and vocational capability, a foundation of intact sensory processing and integration is paramount (Ayres, 2011; Greenspan & Wieder, 2006a; Shanker, 2004)." Schoen, S. A., Spielman, V. & Miller, L. J. (2019). Introduction to Sensory Integration Methods in Autism. In E. M. Sokhadze & M. F. Casanova (Eds.), Autism Spectrum Disorder: Neurofeedback and Sensory Integration Approaches to Research and Treatment (pp. 233–283). Murfreesboro, Th: Foundation for Neurofeedback & Neuromodulation Research (FNNR) and SMED Press.











Child Abuse Prevention and Treatment Act All children under age 3 who (a) are the subject of a substantiated case of abuse or neglect or (b) are identified as being directly affected by substance use or withdrawal symptoms resulting form prenatal drug exposure must be referred to the local Part C program.

References



- The Implications of Neuroplasticity for a Brain Affected by FASD https://www.youtube.com/watch?v=UK5FaX0lo0s
- Inkelis, S.M. & Thomas, J.D> (2019). Sleep in infants and children with prenatal alcohol exposure. Alcohol Clin Exp Res.
 Strategies for Infants and Toddlers with Fetal Alcohol Spectrum Disorders. wwwfasstar.com
- Weiner, Ly., Morse, B (1994). Intervention and the Child with FAS. Alcohol Health & Research World, Vo. 18, No. 1, 1994.

Resources



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- <u>Erects Story</u>. In this video international expert Diane Malbin, explains why we need to think differently and try to prevent unwanted behaviour before it happens.
 This video complements Diane's book "<u>Living Differently Rather than Harder"</u>, available from her website of from <u>Amazzon</u>.
- Understanding Brain Impairment in FASU (Interactive).
 Parent Panel: Voices of parents and carers for health professionals—how can we help each other. End Australasian FASD Conference 2018 Our Science our Stories

This series is brought to you by FASD Acress the Life CA RESOURCE FAMILIES	opan — — — — — — — — — — — — — — — — — — —
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