## "Attention problems": Autism, ADHD or Intellectual Disability?

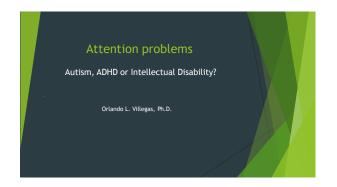
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## Objectives:

Identify effective methods for the practical application of concepts related to improving the delivery of services for persons with developmental disabilities

The participants will receive the basic information needed to identify "attention problems" as a temperamental characteristic or as a symptom of a condition such as ADHD, Autism or Intellectual Disability. Implications for treatment will be discussed.

Notes:





Words of caution

"Decreased attention span...distractibility...are sensitive but non-specific brain functions and behavioral patterns. These expressions of altered functioning should be acknowledge as non-specific, rather than trying to fit them into specific diagnoses."

"These abnormalities should be viewed in terms of underlying developmental processes and not as components of a discrete non-overlapping disorder."

Berger, I., Remington, A., Letiner, Y. B. Leviton, A. Editon, (2015). Brain development and the attention spectrum. Frontier in Human Neuroscience. February 2015 Mt 9 Article 23, pag 4.



This is why...

An individual with attention problems may have:

- Asiro

- Auturn

- Cognitive disability

- Asiro - Auturn

- Cognitive Disability

- Auturn

- Cognitive Disability

- Auturn

- Cognitive Disability

- Other disapooss

- No definite disapoos.

Attention

Application of the mind to any object of sense or thought.

Three functions: a) Orienting b) Focusing c) Maintaining

The process of focusing consciousness to produce greater vividness and clarity of certain...contents.

(1) Attention, (2015). In Wester's Medical Dictionary, Springfield, Mr. Morriam Webster Inc. On line edition









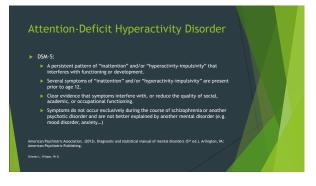




According to a rscheearch at Cmabrigde Unervisy, it deosn't mitaer in waht oredr the liteers in a wrod are, the olny iprimoeint tiling is taht the frist and lisat liteer be at the right pedae. The right pedae. The right poblem. Tiling is because the huamn mind deos not raid ervey liteer by istlef, but the wrod as a wlohe,





















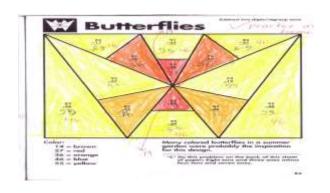
## ADHD and autism The DSM IV prohibited the co-diagnosis of ADHD and ASD. The DSM 5 recognizes the possibility of co-existence of both disorders "Because of the high frequency of ADHD symptoms in autism, children with autism may be initially misdiagnosed with ADHD" (1) Children with autism spectrum disorder (ASD) often present similar symptoms (to those in ADHD) and may receive a diagnosis of ADHD first (2) (1) Dickerson, M., Calhonn, S., Mayes, B., & Moliton, S. (2012), Autism and ADHC Overlapping and discriminating symptoms. Bracesh in Autism Spectrum Description, S. (2) (3) Molecules, A. (3) Particles, C., & Huntington, N. (2015). Thing of the diagnosis of Attention Deficit Hyperactivity Disorder and Advances (spectrum Broader.

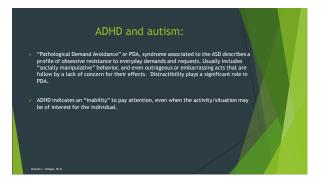






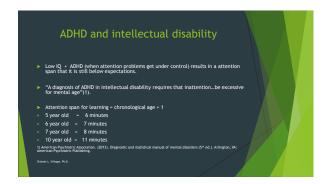






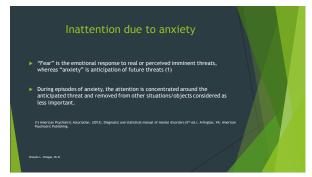




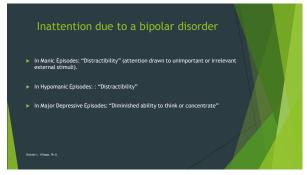
















ADHD	AUTISM	COG. DISABILITY	
Inability to pay attention	Lack of interest in paying attention	Attention correlates with "interest"	
Non productive "shifting"	Significant deficit in "shifting"	"Shifting" is not necessarily affected	
Attention usually improves with behavioral strategies and medication	Prompts, routines and environmental modifications improve distractibility	For "moderate" and lower levels to implement similar suggestions to those for ASD	
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A D H D + ASD	ASD + Cog. Dis.	ADHD + Cog. Dis.	
Greatest impairment in sustained attention	Greatest impairment in divided attention	The lower the cognitive level, the more intense the attention problems	
Distractibility and attention problems co-exist	Distractibility and attention problems co-exist	Distractibility and attention problems co-exist	
Once ADHD is under control, distractibility persists	If distraction gets under control, attention impairment persists	Degree of inattention correlates with severity of cognitive disability	
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