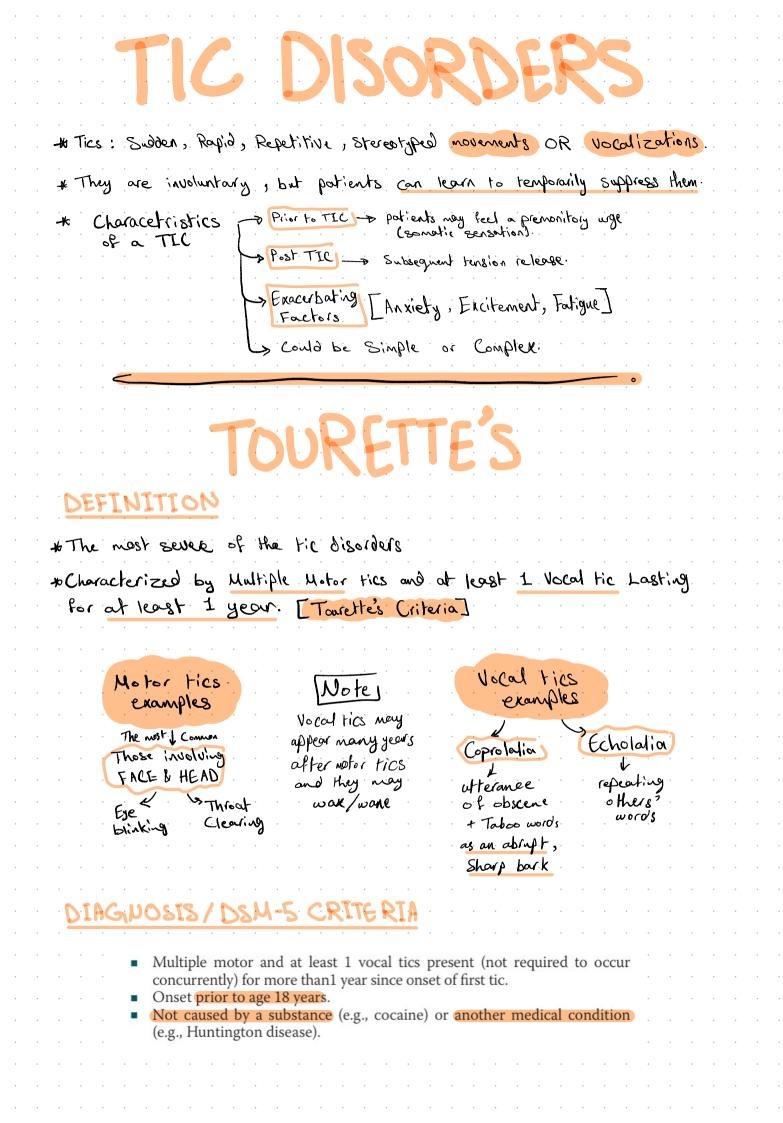
	ADH		
At	tention Deficit/Hyperactivity	Disorder	
- ACTINTTALL			
DEFINITION		TYPES	<sub>N</sub>
*Persistent p Inattent		1> Inattentive	predominantly
WIEISISTERO TIMUTEN			
Figheral	ivity	Hyperactive	Diodominantly
Hyperael S Impulsiu	ity	+ Hyperactive /Impulsive	
* Inconsistant w/developm	UN al	4 Combined	
sterge.		Compres	
	COTTOPEA		
DIAGNOSIS/DSM-5	CRITEREN		
	т. 44 али на		
+2 symptom domains	> Inattetiveness		
	Hyperaetivity/Impulsivit	<b>j</b> · · · · · ·	
• At least six inattentive symptoms:		A 1114	
<ul> <li>Does not pay attention to details or m</li> </ul>	nakes careless mistakes. 🔹 📔 🕂	Additional Reg	HUICMENTS:
<ul><li>Has difficulty sustaining attention.</li><li>Does not appear to listen.</li></ul>			
<ul> <li>Struggles to follow instructions.</li> </ul>	3. <b>()</b> .	symptoms > 6 months	
<ul><li>Unorganized.</li><li>Avoids or dislikes tasks requiring high</li></ul>	cognitive demands.	ist least 2 softings	Teg. home, school,
<ul> <li>Misplaces or loses objects frequently.</li> </ul>		vork],	
<ul><li>Easily distracted.</li><li>Forgetful in daily activities.</li></ul>			i li serdenie
AND AND AND A		covers Quality of a	social acaption
ANUDICK		occupational time	1 ONLING.
• At least six hyperactivity/impulsivity symptoms		uset whier lage 12	), but can be It hood retrospectively
<ul><li>Fidgets with hands/feet or squirms in chair.</li><li>Has difficulty remaining seated.</li></ul>		agnosed in adu	It hope) retrospectively
<ul> <li>Runs about or climbs excessively in childhoo adults).</li> </ul>			
<ul><li>Difficulty engaging in activities quietly.</li><li>Acts as if driven by a motor (may be an inter</li></ul>	rnal sensation in adults).	ale out other ne	ntal disorder or Eintoxication,
<ul> <li>Talks excessively.</li> </ul>	an completed	my other canse	Eintoxication,
<ul><li>Blurts out answers before questions have be</li><li>Difficulty waiting or taking turns.</li></ul>		Trannatic brain	injuly]
<ul> <li>Interrupts or intrudes upon others.</li> </ul>			
	ETIOLOGY		
	* It's Multifactorial		PROGNOSIS
EPIDEMIOLOGY			· · · · · · · · · ·
	1) Genetics [genes re	shows ble for a St	able through adolescence.
* Providence ~ 5% Children	production of Neurot	rangemens /	
* Prevalence () 5% Children	2) Environmental	· · · · · + V	adults
* ~ > 2 2:1	Is Low birth weight	f	attentive > hyperaeting
	L's snoking during	pregnancy	Minutine & Millionary
* 2 present nore often w/	Is childhood abuse 1	neglect is 1	Incidence of Conorbid
inattentive symptoms.	> Neuro Foxin / Alcoho	1 exposule no	ental disolders.
		· · · · · ·	

			• • •			
TREATMENT * Multimodal & Medications * C & Multimodal & Educational L's Behavioral int	The nost	effective 7	Tx for		sympton	
Pharmacological Tx)						
* Symptoms of ADHD are theortical neurons in Arefrontal Cortex du	lly linked to le to imbalo	in effectient i	info. pi wrotrans.	ocessing h mitters (1	by pyramic Dopamine, A	) al VE)
1st Line : Stimulants						
) Hethylphenidate Componnels	MOA					
2) Dextroamphetamine	• Mechanism of action: in reuptake of norepinephr	ine and <u>dopamine</u> (minc	or effect on ser	otonin) → increased o	concentration of	
3) Mixed amphetamine salts	norepinephrine and dop concentration, cognition	amine in the synaptic cli , short-term memory) ai DA	eft $\rightarrow$ increased nd fine motor s	kills <sup>[19][22]</sup> bcz	e (e.g., improved of reducing abth bu	N NG
				0.	0	
x-2 agonists instead of/adjunct Stimulants	to 2	nd Line			Nhibitor	o o
Clonidine	· · · · · ·	AFo	moxet	ine		• •
Guanfacine			• • •			• •
Guanfacine	· · · · · · ·	· · · · ·				  
Guanfacine Non-pharmacological Tx						· · ·
Guanfacine Non-pharmacological Tx)	techniques	/ social	ski lls	training		· · · · · · · · ·
Guanfacine (Non-pharmacological Tx) I) Behavioral modification			ski   s	training		· · · · · · · · · · · · · · · · · · ·
Guanfacine (Non-pharmacological Tx) 1) Behavioral modification 2) Educational intervention	~8 · · · ·	1/social	ski lls	training		
Guanfacine (Non-pharmacological Tx) I) Behavioral modification	~8 · · · ·	/ social	ski lls	training		
Guanfacine (Non-pharmacological Tx) 1) Behavioral modification 2) Educational intervention	~8 · · · ·		sk' 11s	training		
Guanfacine (Non-pharmacological Tx) 1) Behavioral modification 2) Educational intervention	~8 · · · ·		ski lls	training		
Guanfacine (Non-pharmacological Tx) 1) Behavioral modification 2) Educational intervention	~8 · · · ·		8 k 1   s	training		
Guanfacine (Non-pharmacological Tx) 1) Behavioral modification 2) Educational intervention	~8 · · · ·		sk' 11s	training		
Guanfacine (Non-pharmacological Tx) 1) Behavioral modification 2) Educational intervention	~8 · · · ·		ski lls	training		

ASI	
Autisn Spectru	n Disorder
DEFINITION	
	$\mathbf{D}$ which is a second seco
Impairments in Social communication of	Resprictive, Repetitive behaviors.
Why A Because it compose Spectrum? spectrum of symptomet	8 the Butism b) Autism b) Asperger's Disorder b) Childhood disintegrative Disorder b) Pervasive developmental disorder
<ul> <li>DTAGJOSTS/DSN-5 CRITERIA</li> <li>Problems with social interaction and communication:         <ul> <li>Impaired social/emotional reciprocity (e.g., inability to hold com</li> <li>Deficits in nonverbal communication skills (e.g., decreased ey</li> <li>Interpersonal/relational challenges (e.g., lack of interest in p</li> <li>Restricted, repetitive patterns of behavior, interests, and ad</li> <li>Intense, peculiar interests (e.g., preoccupation with unusual</li> <li>Inflexible adherence to trituals (e.g., rigid thought patterns).</li> <li>Stereotyped, repetitive motor mannerisms (e.g., hand flapping</li> <li>Hyperreactivity/hyporeactivity to sensory input (e.g., hypers particular textures).</li> </ul> </li> </ul>	versations). E Cont exchange in Conversations] re contact). eers). ctivities: objects). December ng).
Special Considerations	When To Consider ASD as the diagnosis?
* Abnormalities in functioning begin in the Early Developmental period	
in the Lary serviciption of the los	April Deterioration of Social and for language skills during first 2 years of life.
TD / Global developmental delay	
	(omplete an appropriate
# Courses Significant Social/Occupational impairment.	workup [Anditory testing] .
inipairment.	; to rule out other causes of developmental delay.
EPIDENIOLOGY * Recently, Prevalence increased to 1%. * ~ > 9 4:1 * Typically, Symptoms recognized between (12	of population La Expansion of diagnostic criteria

ETIOLOGY	· · · · · · · · · · · · · · · · · · ·
* Prenatal neurological insults CT.	fortions, dings].
* Prenatal neurological insults [In * Advanced Paternal age,	Ion birth weight.
> Host common singl	le gene cause: Fragile X syndrome:
L) Other Grenet: C caus	of ASD cases). le gene cause: Fragile X syndrome. Resy [Down syndrome, Rett syndrome, Tuberons] Sclerosis]
to A Comorbidity w/TD.	
+ Association w/Epilepsy	· · · · · · · · · · · · · · · · · · ·
	· · · · · · · · · · · · · · · · · · ·
DDDC-LIAST S	· · · · · · · · · · · · · · · · · · ·
PROGNOSIS	· · · · · · · · · · · · · · · · · · ·
#It's a CHRONIC cond	
* Prognosis is Variable,	Determined by -> level of Intellectual functioning
* Prognosis is Variable, a [i.e. Adult Outcome]	determined by >> level of Intellectual functioning (> level of language impairment
	e and work independently as Adults.
	the second se
to Only a minority can liv	the second se
	the second se
treatment	e and work independently as Adults.
TREATHENT TREATHENT TO CURE For Antisn	e and work independently as Adults.
TREATHENT TREATHENT TO CURE For Antisn	e and work independently as Adults.
to Only a minority can liv TREATMENT to NO CURE For Autisn to But, we can Manage symptoms	e and work independently as Adults. 8 and improve basic social (cognitive skills:
* Only a minority can liv TREATMENT * NO CURE for Antisn * But, we can Manage symptoms D) Early Intervention 2) Behavioral therapy @ Psych	e and work independently as Adults. 8 and improve basic social / cognitive skills: no education
* Only a minority can liv TREATMENT * NO CURE for Antisn * But, we can Manage symptoms D Early Intervention 2) Behavioral therapy @ Psych	e and work independently as Adults 8 and improve basic social / cognitive skills: no education ieed Antipsychotics Risperidone
* Only a minority can liv TREATHENT * NO CURE for Antisn * But, we can Manage symptoms D) Early Intervention 2) Behavioral therapy @ Psych	e and work independently as Adults. 8 and improve basic social / cognitive skills: no education
* Only a minority can liv TREATMENT * NO CURE for Antisn * But, we can Manage symptoms D) Early Intervention 2) Behavioral therapy @ Psych	e and work independently as Adults 8 and improve basic social / cognitive skills: no education ieed Antipsychotics Risperidone



## EPIDEMIOLOGY

\* Transient tic behaviors : Common in Children. 16 Tourettes disorder 0.003 among school-age children. \*0~1 > 9 PROGNOSIS ETIOLOGY \* Typically Oaset [4-6 yrs], Scenetics. [>58% in nonozygotic w/Peak severity [10-12 yrs] 1/ Prenatal/Perivotal \* Tics wax/wave b Factors Obstetrical maternal Low Complications smoking we're change in type Old weight + Symptons Vin adolescensce paternal age Why in adul thood Psychological Andiety Factors Fatigue # 1 Comorbidity > OCD > ADHD > LD > ASD TREATMENT Psychoeducation. Behavioral interventions—habit reversal therapy. Medications—utilize only if tics become severely impairing or also treating comorbidities. Due to the fluctuating course of the disorder, it can be difficult to determine medication efficacy. Alpha-2 agonists: guanfacine (first choice), clonidine (more sedating). In severe cases, can consider treatment with atypical (e.g., risperidone) or typical antipsychotics (e.g., pimozide). Other tic disorders include: Persistent (chronic) motor or vocal tic disorder: Single or multiple motor or vocal tics (but not both) that have never met criteria for Tourette's. Provisional tic disorder: Single or multiple motor and/or vocal tics less than 1 year that have never met criteria for Tourette's.