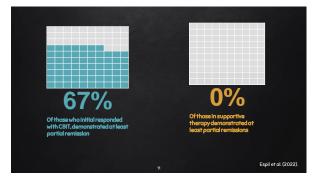






х	Meets APA criteria for well–established intervention for tics (Koch $\&$ Blacher, 2007)
х	First line of treatment guidelines o Europe 2011 o Canada 2012 o United States 2013
	9

EVIDENCE FOR EFFECTIVENESS OF CBIT X Espil et al. (2022). Long-term outcomes of behavior therapy for youth with Tourette disorder. Journal of the American Academy of Child & Adolescent Psychiatry, 61(6), 764–771. 126 youth initial study; 80 completed long-term follow up 11+ years later

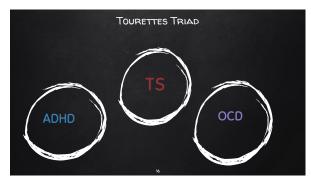












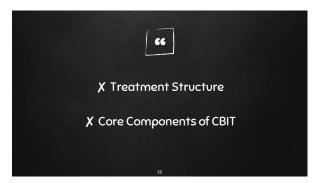




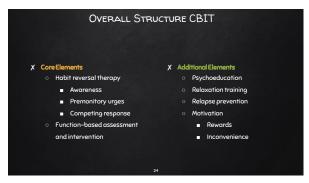


Other Co-Morbidity Considerations		
x Developmental Disabilities More direct More rule specific More reinforcers More concrete reinforcers	x Depression/ Anxiety Treat depression before CBIT If not secondary to tics, treat anxiety before CBIT	x Anger 20%-30% of kids with TS have rage outbursts (intense, sudden, remorse after) Typical support for children with anger

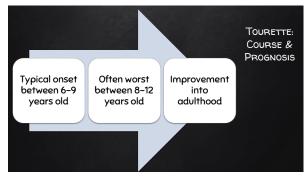


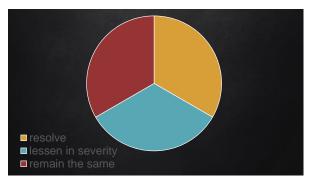


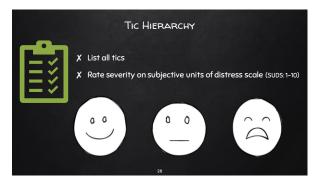
1.	Rationale for CBIT
2.	Overall Structure
3.	Psychoeducation
4.	Create Tic Hierarchy
5.	Create an Inconvenience Review
6.	Behavioral Reward Program

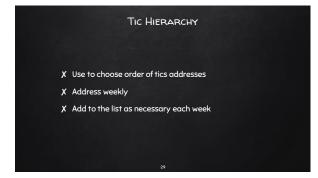






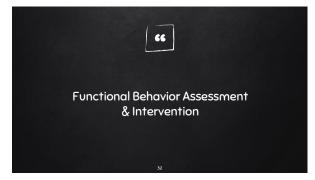


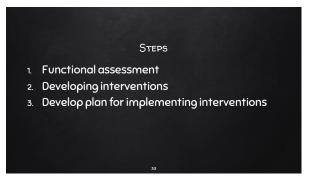


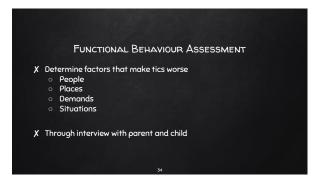


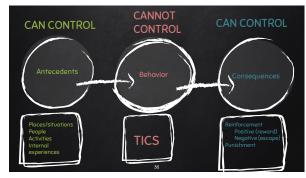


BEHAVIORAL REWARD PROGRAM	
 X Rationale To motivate by rewarding EFFORT not SUCCESS 	
X Points for:AttendingParticipating in sessionsCompleting homework	
31	

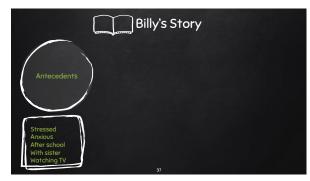


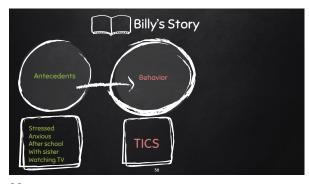


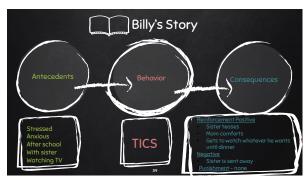




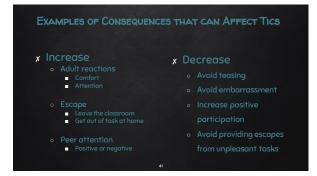


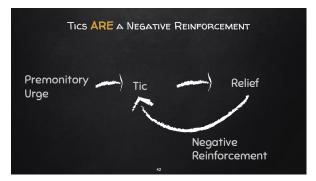


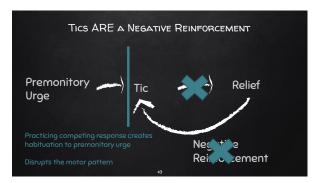




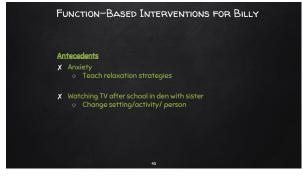








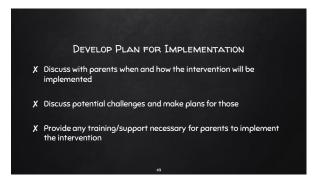
	FUNCTIONAL BEHAVIORAL INTERVENTIONS
х	Helps to control the environment to manage tics
	Remove reinforcing consequences Minimize or avoid antecedents and exacerbating situations
Х	When these situations are unavoidable Take scheduled breaks when possible Practice habit reversal
Х	Educate teachers and others about tics
	44



	FUNCTION-BASED INTERVENTIONS FOR BILLY
	nsequence Reinforcers Sister teases o Antecedent intervention addresses this
Х	Mom comforts o Mom does not comfort <u>at this time</u>
х	Billy gets to watch what he wants o TV turned off and Billy practices tic management
х	Sister sent away o Sister apologizes and stays
	46.

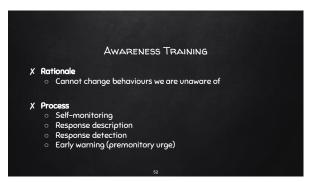


EXAMPLE CONSEQUENCE INTERVENTIONS		
x Social Attention	x Escape	
 Do not tell the patient not to tic Do not comfort patient during tics Do not laugh at patient Encourage peers not to react 	Do not ask patient to leave Require homework/ seatwork completion Remind to use CR Must stay in room at bedtime	
to tics 48		

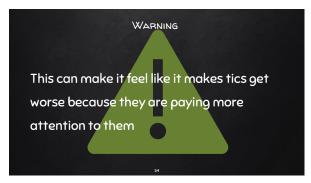


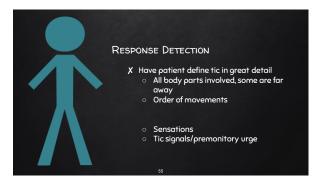












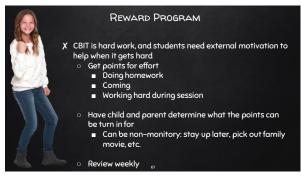
RESPONSE DETECTION	N & EARLY WARNING
Response Detection	Early Warning
 X Therapist can simulate if necessary X Lift forefinger to acknowledge that they have engaged in a tic 	X Patient identifies when the have the urge to tic
X Client practice with praise and correction	

CHOOSE A COMPETING RESPONSE 1. Incompatible with the tic or make it harder to do 2. Less noticeable and less interfering than the tic 3. Can to the competing response anywhere (even in the shower)











REFERENCES X Koch, & Blacher. (2007). Evidence-based psychosocial treatments for tic disorders. Clinical Psychology: Science and Practice, 4(3), 252–267. X Leckman, J. F et al. (1998). Course of tic severity in Tourette Syndrome: The first two decades. Pediatrics, 102(1), 14–19. X Piacentini et al. (2010). Behavior therapy for children with Tourette Disorder: A randomized controlled trial. JAMA, 303(19), 1929–1937. X Woods, D. W., et al. (2008). Managing Tourette Syndrome: A behavioral intervention for children and adults. New York, NY: Oxford University Press.