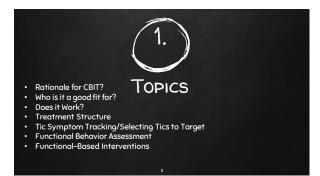


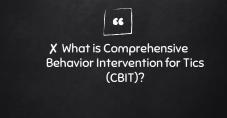
# COMPREHENSIVE BEHAVIORAL INTERVENTION FOR TICS PART 1 GABRIELLE WILCOX, PSYD, NCSP, RPSYCH

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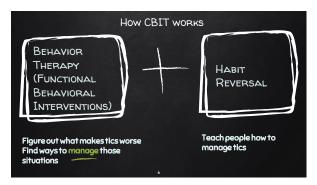




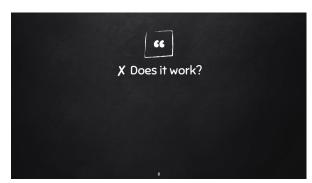
#### RATIONALE FOR CBIT

- X External environment can increase tics NewStimulating
  - X Internal states can increase tics

    - Anxiety
       Excitement
  - X We cannot control the neurology, but we teach people to control their internal and external environments









- X First line of treatment guidelines
   Europe 2011
   Canada 2012

  - United States 2013

## 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.
  - $\circ$   $\,$  126 youth initial study; 80 completed long-term follow up 11+  $\,$
  - or to yourn minuters tody, so completed to ig-term follow up it's years later
     of those who initial responded with CBIT, 67% demonstrated at least partial remission
     o% of those in supportive therapy demonstrated at least partial respondence.
  - remissions

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## CLIENT/PARENT COMMITMENT

X CBIT takes an investment of time and effort if the parent and the child are not willing to do the homework, then it will not be helpful





## ADHD

X Can negatively impact treatment if ADHD symptoms are not managed

#### X Consider

- Shorter more frequent sessions
- Additional, separate parent sessions
- Minimize distractors • Extra reinforcers

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#### DIFFERENTIATING BETWEEN TICS AND OBSESSIONS/COMPULSIONS

x Tics

x OCD

- Specific cognitions
   Something bad will happen if I don't
  - engage in the behaviour
- Physiological arousal
- Vague sensory discomfort No cognitions about something bad
  - happening

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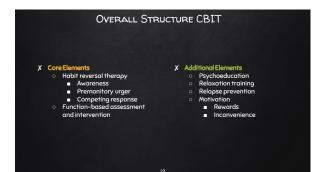
# OCD X Need to differentiate some tics from compulsions X OCD requires exposure prevention therapy (ERP)







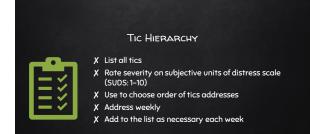
- X Rationale for CBIT
- X Overall Structure
- X Psychoeducation
- X Create Tic Hierarchy
- X Create an Inconvenience Review
- X Behavioral Reward Program



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#### PSYCHOEDUCATION

- X Rationale
- X Diagnoses
- X Phenomenology
- X Natural history of tics
- X Social difficulties and co-morbidities
- X Genetics and neurological basis
- X Prevalence





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#### BEHAVIORAL REWARD PROGRAM

X Rationale

- To motivate by rewarding EFFORT not SUCCESS
- X Points for:

- Attending
   Participating in sessions
   Completing homework



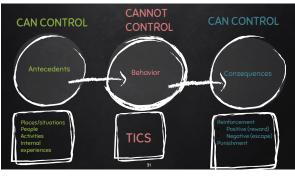


- 1. Functional assessment
- 2. Developing interventions
- 3. Develop plan for implementing interventions

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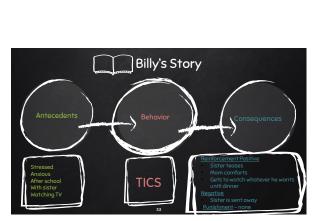
#### FUNCTIONAL BEHAVIOUR ASSESSMENT

- X Determine factors that make tics worse
  - People
  - PlacesDemands
  - Situations
- X Through interview with parent and child



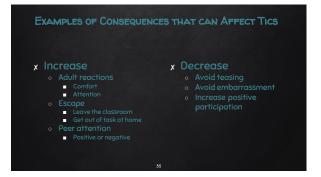


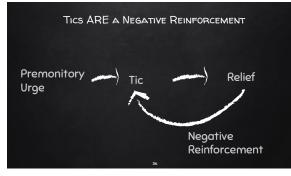




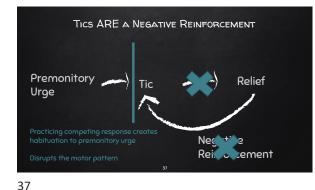














## FUNCTIONAL BEHAVIORAL INTERVENTIONS X Helps to control the environment to manage tics X Remove reinforcing consequences X Minimize or avoid antecedents and exacerbating situations X When these situations are unavoidable • Take scheduled breaks when possible • Practice habit reversal X Educate teachers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

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FUNCTION-BASED	INTERVENTIONS	FOR BILLY	
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X Sister sent away
 Sister apologizes and stays

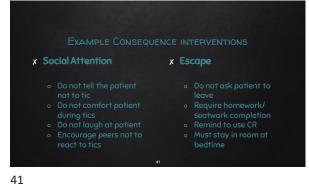
Antecedents X Anxiety

 Teach relaxation strategies

Watching TV after school in den with sister

 Change setting/activity/ person





#### DEVELOP PLAN FOR IMPLEMENTATION

- X Discuss with parents when and how the intervention will be implemented
- ${\bf X}$  Discuss potential challenges and make plans for those
- $\pmb{\mathsf{X}}$  Provide any training/support necessary for parents to implement the intervention

#### **RELAXATION TECHNIQUES**

- x This is **NOT** part of competing response; it is used to manage anxiety
- x Diaphragmatic Breathing
- x Progressive Muscle Relaxation
- x More about this in session 2



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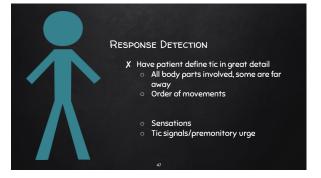


- Response descriptionResponse detection
- Early warning (premonitory urge)



- X Necessary but not sufficient
- X Frequency
- X Day/time
- X Situation







## 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)

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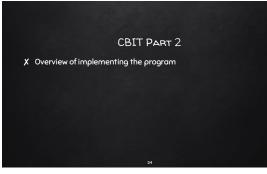
#### SOCIAL SUPPORT STEPS

- X Identify support person
   Usually mom for kids, spouse, housemate, sibling
- X Training to be encouraging not punitive

   Permitted one reminder per setting
   "don't forget your exercise!
- X Remember that it is the patient's treatment!!
- X Praise the practice not the success







#### 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.