ASSESSMENT AND TREATMENT OF INTERNALIZING DISORDERS

Standard Treatments and New Approaches

John E. Dunne, MD
PAL Consultant
john.dunne@seattlechildrens.org

No conflicts of interest to report
Internalizing Disorders

- Depression
  - Major Depressive Disorder
  - Persistent Depressive Disorder (Dysthymic Disorder)
  - Atypical Depressive Disorder
  - Bipolar Disorder I and II
- Anxiety
  - Generalized Anxiety Disorder
  - Separation Anxiety Disorder
  - Social Anxiety Disorder
  - Panic Disorder
  - Specific Phobia
  - Selective Mutism
  - Adjustment Disorder with Anxiety
  - Obsessive-Compulsive Disorder – categorized separately in DSM 5
  - Posttraumatic Stress Disorder – also categorized separately in DSM 5

Key Clinical Takeaways

- Anxiety and depression frequently present together
- Anxiety and depression are independent of each other
- Always assess for both, regardless of presenting symptoms
- Suicide risk, which is independent of either disorder, occurs commonly with both, requires a separate assessment
Common Signs and Symptoms

### Depression
- “I am a failure”
- Depressed mood
- Irritability
- Diminished energy and productivity
- Appetite, eating pattern and weight changes
- Anhedonia
- Social withdrawal
- Sleep disturbances, never feels rested

### Anxiety
- “Bad things will happen”
- Excessive anxiety or worry
- Irritability
- Difficulty concentrating and loss of productivity
- Avoidance
- Sleep disturbances, trouble falling asleep and/or frequent awakenings
- Fatigue

ASSESSMENT TOOLS

### Depression
- Vanderbilt (screening tool)
- Short Mood and Feelings Questionnaire
- Patient Health Questionnaire (PHQ-9)
- Family history
- Be sure to inquire about episodes of euphoria, manic behavior, grandiosity

### Anxiety
- Vanderbilt (screening tool)
- Screen for Child Anxiety and Related Disorders (SCARED)
- Family history
- Be sure to ask how the parents have tried to reduce the exposure to the patient’s fears (reinforcing behaviors)
Two Critical Questions:

1. What are your goals? (What would you want to do that you can’t do now?)
2. How much are you willing to work to get better?

Treatment Components

• Psychotherapy (i.e., counseling)
  • Cognitive Behavioral Therapy (CBT)
  • Dialectic Behavioral Therapy (DBT)
  • Interpersonal Therapy (IPT)
  • Parental support and guidance
• Medications
  • The role of medications: Using a medication is like putting a cast on a broken bone. It stabilizes but does not heal the broken bone. The healing is internal. Healing is the role of counseling.
Treatment Components (Cont.)

- Targeting symptoms: sleep disturbance, anxiety, including anticipatory anxiety, mood, trouble concentrating
- What can’t be targeted: Behavior, such as self-injurious behavior, suicide attempts, school avoidance, social withdrawal, compulsive behaviors

Medications

- First line – SSRIs, fluoxetine, sertraline, and citalopram/escitalopram
- Second line – SNRIs and dual action, venlafaxine, duloxetine, bupropion, mirtazapine, clomipramine
- Augmentation – adding a second SSRI, stimulant medication, atypical antipsychotic, thyroid hormone
- Sedatives – short term use only; prazosin for frequent nightmares
- Benzodiazepines – anticipatory anxiety such as separation anxiety; NOT for treatment of panic attacks
On the Horizon

• D-cycloserine – causes fear extinction as an adjunct to E/RP
• Fibroblast Growth Factor 2 (FGF2) – decreases anxiety and increases fear extinction
  JAMA Psychiatry, August 2015

Computer Assisted Therapy

• Role is to increase the fidelity of treatment to evidence-based practices, increase effectiveness
• Not a replacement for a therapist; the treatment relationship is still essential
• Rapidly developing field and many are commercially available, many are not clinically tested or are in the process
• Types: games, workbooks, tools
Computer Assisted Therapy

- **Treatment of depression**
  - SPARX, adolescents, fantasy quest game
  - The Journey, adolescents, fantasy adventure
  - Stressbusters, adolescents, computerized CBT
  - MoodGym, adolescents, cCBT or iCBT with workbook exercises

- **Treatment of anxiety**
  - Camp Cope-a-lot, adolescents and pre-adolescents, workbook
  - BRAVE for Teens Online, workbook
  - BRAVE for Children Online, workbook
  - Kool Teens, adolescents, CBT workbook
  - ABM (attention bias modification), children and adolescents
  - CBM-I (cognitive bias modification of interpretation), children and adolescents

- **Treatment of specific phobias**
  - Google Cardboard (3-D) coupled with YouTube videos and E/RP

- **Anger management**
  - Act with RAGE Control, adolescents, game with biofeedback

- **Trauma response**
  - Bounce Back Now, population based, no therapist involvement
Camp Cope-A-Lot

- [http://www.cope-a-lot.com/](http://www.cope-a-lot.com/)