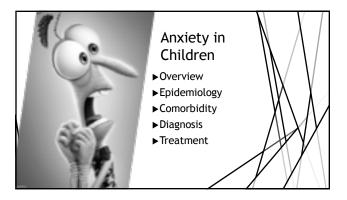


## Disclosures + Off-label Medication Use

- lacktriangleright I have no financial interests or conflicts of interest to disclose.
- ▶ This presentation includes discussion of off-label uses of medication, which are clearly identified as such.



## Anxiety: Overview

- ► Common (and commonly missed!) in children
- ▶ Often with inhibited temperament
  - ►Withdrawal from novelty, Slow to warm up, Close to attachment figure, Limited eye contact
- ► Internalizing disorders
  - ▶Overcontrolled, Overinhibited
- ▶ Usually not causing problems for anyone else
  - ▶ Vs. ADHD, Disruptive Behavior Disorders

## Anxiety: Overview

DSM-5 Anxiety Disorders

- ► Separation Anxiety disorder
- ► Selective Mutism ► Generalized Anxiety
- disorder
- ► Social Phobia ► Specific Phobias
- ▶ Panic disorder
- ▶ Agoraphobia

- Related Issues
- ►School Refusal
  - ►Anxiety may be underlying cause
- ▶ Obsessive-Compulsive disorders (OCD)
- ▶Traumatic and Stress-Related disorders (PTSD



## **Anxiety: Core Features**

▶Behavior:

Avoidance

▶Thought:

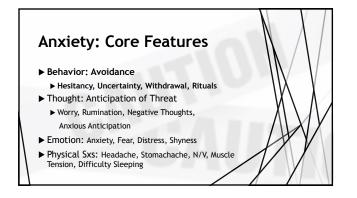
Anticipation of Threat

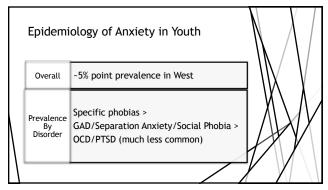
▶Emotion:

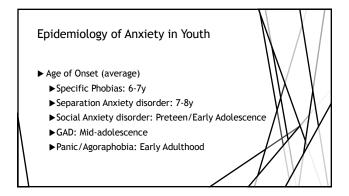
Anxiety

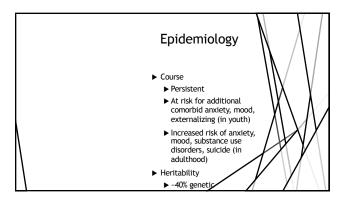
► Physical Symptoms:

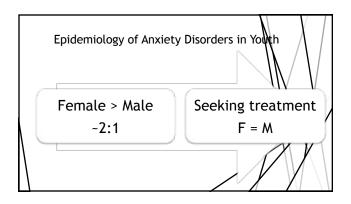
**Arousal** 

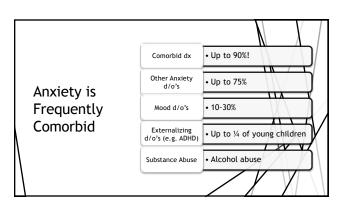


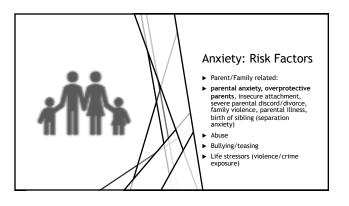


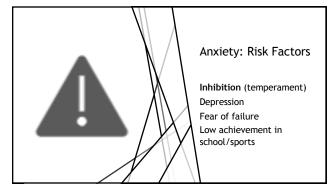


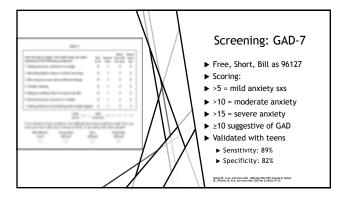


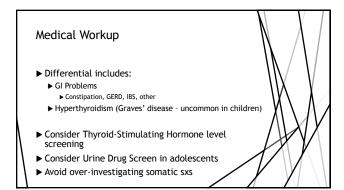


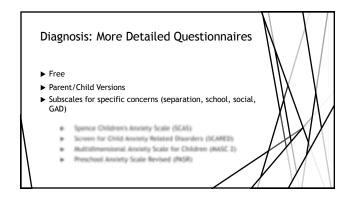


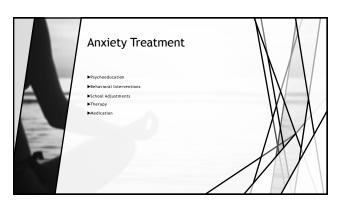


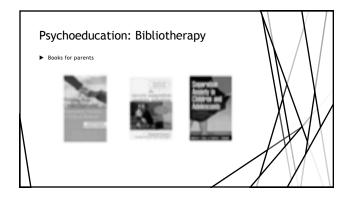




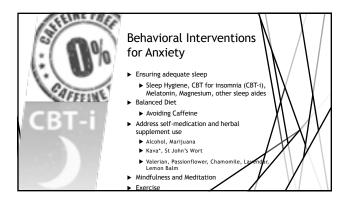


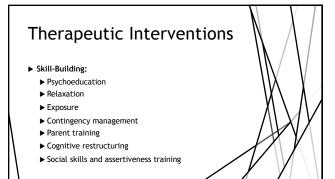


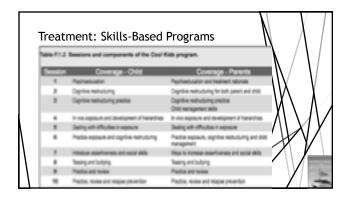


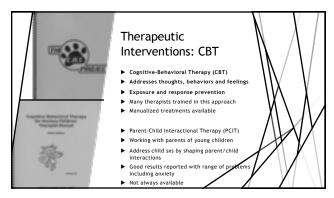


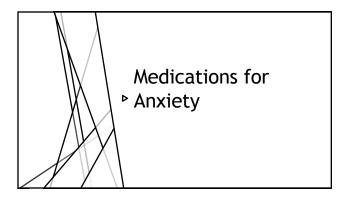


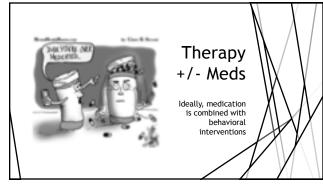








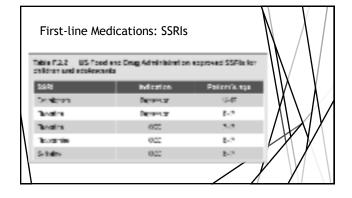


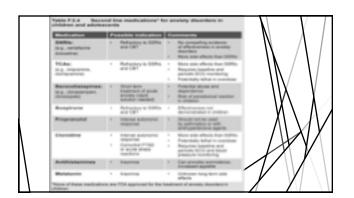


## Medication Considerations ► Medications for Anxiety in Children are Mostly Off-Label ► FDA approval only for OCD, depression in youth ► Many approved for adult anxiety and depression ► There is good evidence for efficacy of some SSRIs for other anxiety disorders in children ► Recommend monitoring closely (weekly/biweekly initially) ► Boxed warning for suicidality applies to all

antidepressant medications used in young people

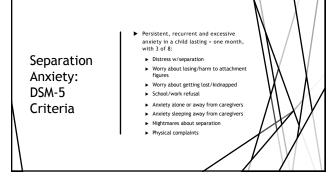
▶ Monitor response using an appropriate rating scale▶ Switch to another SSRI if no improvement

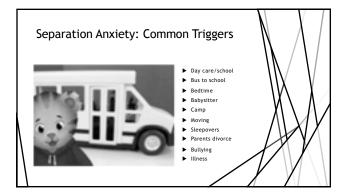


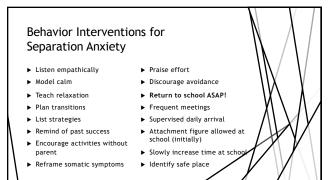


### Separation Anxiety Disorder Developmentally normal separation anxiety ▶ Peak onset between 7 - 9y ► Most common anxiety d/o ► decreases after age 2y of childhood ▶ increases again at age 4-5y ▶ 3-5% prevalence ▶ Cultural factors: autonomy level ▶ Decreases w/age ▶ Common cause of school refusal ▶ ~2/3 resolve by ► Japanese concepts: adolescence ► Tokokyohi and futoko ► Sub-threshold separation (school refusal) anxiety is common (one study estimated ~50% in US 8year olds w/ SAD sxs) ► Hikikomori (excinternet, social

## Separation Anxiety Disorder ► Excessive distress or fear before or during separation from attachment figures ► FEARS or WORRIES ► About something happening to parent or child ► AVOIDANCE or attempts to prevent separation ► BEHAVIORS or SOMATIC SXS ► Crying, Clinging, Calling, Complaining ► HA, Stomachache, N/V, Dizziness, Sleep problems, Muscle aches

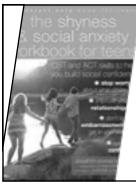








# A tendency to worry about a wide range of negative possibilities, that something bad will happen ▶ Repeated and extensive worry about several areas such as family, finances, friendships, schoolwork, sports performance, self and family health, and minor, daily issues. ▶ Tendency to repeatedly seek reassurance from parents or others about fears. ▶ Avoidance of novelty, negative news, uncertain situations, and making mistakes. ▶ Physical symptoms, sleeplessness and irritability when worried.



## Social Phobia

- Fear and avoidance of social interactions or social performance due to a belief the other's will negatively evaluate the child Avoidance of a range of social activities of situations including, speaking or performing in front of others, meeting new children, talking to authority figures such as teachers, being the center of attention, and fears of dating
- Worries about negative evaluation from others including that others will think they are unattractive, stupid, unpleasa overly confident, or odd
- A limited number of friends and making new friends
- ► High levels of self-consciousness or focused attention

## Specific Phobias

- ▶ Fear and avoidance in response to a range of specific cues, situations, or objects. Belief that the object or situation will lead to personal harm.
- ▶ Common fears in children include
- ► Animals (e.g. dogs or birds), Insects or spiders
- ► The dark
- ► Loud noises, especially storms
- ► Clowns, masks, or unusual-looking people
- ▶ Blood, illness, injections

## References

- Alvarenga PG, Mastrorosa RS, Rosário MC. Obsessive compulsive disorder in children and adolescents. In Rey JM (ed), IACAPAP e-Textbook of Child and Adolescent Mental Health. Geneva: International Association for Child and Adolescent.
- Child and Addinicated:

  But T. Child P. Child S. Gordandier N. Boyrand JR. Normou EB. Staddorf G. Jr. Acute and district
  But T. Child P. Child S. Child S. Gordandier N. Boyrand JR. Normou EB. Staddorf G. Jr. Acute and district
  internal Health. Geneva: International Association for Child and Adolescent Psychiatry and Allied Professions
  2014 Psychiatry and Allied Professions. 2012 (Psychiatry and Allied Professions. 2014 (Psychiatry and Allied Professions. 2014 (Psychiatry and Allied Professions. 2014) (Psychiatry and Allied Profe
- ► Figueroa A, Soutullo C, Ono Y, Salto K. Separation anxiety. In Rey JM (ed.), IACAPAP e-Textbook of Child and Adolescent Mental Health. Geneva: international Association for Child and Adolescent Psychiatry and Allied Professions 2012

- Professions 2012

  \*\*Heality Cultinon School serviciance: Tips for Concerned Parents.

  \*\*HEALITY CANADIS.\*\* ASSOCIATION STATES FOR CONCERNED PARENTS.

  \*\*HEALITY / www.healith/exhibition.org/! Topisish freed lib issues / conditions demonstrate along demonstrate and parents.

  \*\*Accessed Spielment 218:

  \*\*Nomenie K. Spitzer RL, Williams JB, et al. / Ann intern Med. 2007 Mar 6:144(5):137-25.

  \*\*Dercheck B., Mannastis K, Overgaard KK, Rivistenents I. Sective mutum. In Pay JM (ed.) MACAPP e-Testbook of Child and Adolescent Membra Section (ed.) Association for Child and Adolescent Macapital Parents.

  \*\*Rape BM. Annexity disporation in Affiliation and Adolescent Macapital Parents.

  \*\*Rape BM. Annexity disporation in Affiliation and Adolescent Macapital Parents.

  \*\*Rape BM. Annexity disporation in Affiliation and Adolescent Macapital Parents.

  \*\*Rape BM. Annexity disporation in Affiliation and Adolescent Macapital Parents.

  \*\*Rape BM. Annexity disporation in Affiliation and Adolescent Macapital Parents.

  \*\*Rape BM. Annexity disporation in Affiliation and Adolescent Macapital Parents.

  \*\*Rape BM. Annexity disporation in Affiliation and Adolescent Macapital Parents.

  \*\*Rape BM. Annexity disporation in Affiliation and Adolescent Macapital Parents.

  \*\*Rape BM. Annexity disporation in Affiliation and Adolescent Macapital Parents.

  \*\*Rape BM. Annexity disporation in Affiliation and Adolescent Macapital Parents.

  \*\*Rape BM. Annexity disporation in Affiliation and Adolescent Macapital Parents.

  \*\*Rape BM. Annexity disporation in Affiliation and Adolescent Macapital Parents.

  \*\*Rape BM. Annexity disporation in Affiliation and Adolescent Macapital Parents.

  \*\*Rape BM. Annexity disporation in Affiliation and Adolescent Macapital Parents.

  \*\*Rape BM. Annexity disporation in Affiliation and Adolescent Macapital Parents.

  \*\*Rape BM. Annexity disporation in Affiliation and Adolescent Macapital Parents.

  \*\*Rape BM. Annexity disporation in Affiliation and Adolescent Macapital Parents.

  \*\*Rape BM. Annexity disporation and Adolescent Macap
- Psychiatry and Allied Professions 2016

   Rapee RR. Ansievy disorders in indiffer and adolescents: Nature, development, treatment and previn Rep JM (ed), IACAPR e-Textbook of Child and Adolescent Mental Health. Geneva: International Association For Child and Adolescent Psychiatry and Her Pofessions 2018

   Spitzer RL, et al. Arch Intern Med. 2006;166:1092-1097