

**PSYCHOPHARMACOLOGY FUNDAMENTALS**

**3<sup>rd</sup> Annual Critical Issues in Child & Adolescent Mental Health Conference**

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**Outline**

- ✓ **Review of Bio-Psycho-Social Model**
- ✓ **Case Discussion**
- ✓ **Common Diagnoses and Medication**

**Tables**

**Table 1. Common Diagnoses and Associated Medications**

<b>Diagnosis</b>	<b>Medication (s)</b>	<b>Targets</b>	<b>Evidence</b>	<b>Combination with Therapy Indicated</b>
PTSD	SSRI Prazosin	Mood Nightmares Sleep Hypervigilance	+	✓
Anxiety	SSRI	Social Anxiety Panic Attacks Generalized Anxiety Selective Mutism	++ ++ ++ ++ +	✓
Depression	SSRI	Mood	++	✓
ADHD	Stimulants Alpha Agonists	Concentration impulsivity	++	+/-
Psychosis	Antipsychotics	Psychotic symptoms	++	✓

- ++ = Studies show medication to outperform placebo
- + = Case studies support good response to medication
- ? = Limited evidence

**Table 2. SSRI – Selective Serotonin Reuptake Inhibitor**

<b>Name</b>	<b>FDA Approval for use in adolescents</b>	<b>Evidence</b>
Fluoxetine	Depression	++
Escitalopram	Depression	++

Sertraline	OCD	++
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### ***Resources for Families***

Aacap Facts for Families

[https://www.aacap.org/aacap/families\\_and\\_youth/facts\\_for\\_families/FFF-Guide/FFF-Guide-Home.aspx](https://www.aacap.org/aacap/families_and_youth/facts_for_families/FFF-Guide/FFF-Guide-Home.aspx)

### ***Resources for Providers***

Aacap Practice Parameters

[https://www.aacap.org/aacap/Resources\\_for\\_Primary\\_Care/Practice\\_Parameters\\_and\\_Resource\\_Centers/Practice\\_Parameters.aspx](https://www.aacap.org/aacap/Resources_for_Primary_Care/Practice_Parameters_and_Resource_Centers/Practice_Parameters.aspx)

### **Landmark Studies**

<b>MTA</b>	ADHD	MTA Group (1999). A 14-Month Randomized Clinical Trial of Treatment Strategies for Attention-Deficit/Hyperactivity Disorder. Arch Gen Psychiatry. 1999;56:1073-1086
<b>POTS</b>	OCD	March, J et al, (2004). Cognitive-Behavior Therapy, Sertraline, and Their Combination for Children and Adolescents With Obsessive-Compulsive Disorder The Pediatric OCD Treatment Study (POTS) Randomized Controlled Trial. JAMA, October 27, 2004—Vol 292, No. 16 1969
<b>PATS</b>	Preschool ADHD	Vitiello, B, et al (2007). Effectiveness of Methylphenidate in the 10-Month Continuation Phase of the Preschoolers with ADHD Treatment Study (PATS). JOURNAL OF CHILD AND ADOLESCENT PSYCHOPHARMACOLOGY Volume 17, Number 5, 2007 ©
<b>TORDIA</b>	SSRI Resistant Depression	Brent et al. (2008). Switching to Another SSRI or to Venlafaxine With or Without Cognitive Behavioral Therapy for Adolescents With SSRI-Resistant Depression: The Tordia Randomized Control Trial. JAMA. 2008;299(8):901-913
<b>TADS</b>	Depression	March J., et al, (2004). Fluoxetine, Cognitive-Behavioral Therapy, and Their Combination for Adolescents With Depression. Treatment for Adolescents With Depression Study (TADS) Randomized Controlled Trial. JAMA, August 18, 2004—Vol 292, No. 7