



Medication use In the treatment of ADHD

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Objectives

- Deciding if medication is the right choice
- Overview of different types of medication and how they work
- Effectiveness and adverse reactions
- Commonly asked questions

Is medication the right choice?

- Discussion starts with your provider
- Risk vs benefit
- Studies show that ADHD medication can be very effective at helping children pay attention and concentrate better ^[3]
- Finding the right medication, where do you start?

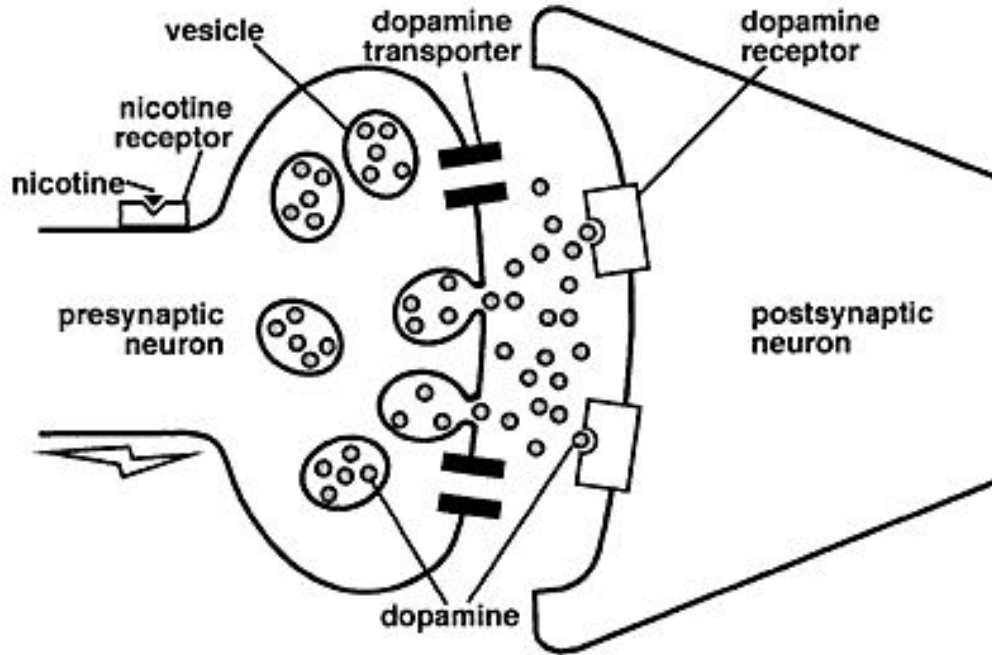


How do ADHD medications work?

- There are two main neurotransmitters thought to play a role in ADHD ^[4]
 - Dopamine
 - Norepinephrine
- An imbalance in these neurotransmitters may cause symptoms of ADHD
- ADHD meds can help restore this imbalance



Presynaptic terminal^[4]



Types of medication

- Stimulants
 - Methylphenidate (Ritalin, Concerta, Metadate)
 - Amphetamines (Adderall, Dexedrine, Vyvanse)
- Non-stimulants
 - Atomoxetine (Strattera)
 - Clonidine and guanfacine (Kapvay and Intuniv)



How do you find the right medication?

- Stimulants are considered first-line agents in the treatment of ADHD based on efficacy and safety ^[1]
- Different patients will respond differently to the same medication
- In about half of all cases, patients not responding to one stimulant may respond to another ^[1]
- Start low and go slow




How do you find the right medication?

- Dosing frequency and duration
- Dosage form and ability to swallow pills
- Cost and insurance coverage
- Non-stimulants as an option



Adverse reactions

Stimulants and atomoxetine

- Decreased appetite, poor growth, weight loss
 - Decline in mood, irritability, anxiety
 - Sleep disturbances, jitteriness
 - Tics
 - Increased heart rate, increased blood pressure, headache, dizzy
 - Psychosis, suicidal thinking ^[2]
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Adverse reactions

Clonidine and guanfacine

- Sedation
- Depression
- Slow heart rate, possibly low blood pressure
- Headache^[2]



How do we know it's effective

- Better focus
- Less impulsive
- Better control of thoughts
- Sleeping well
- Improved memory
- Attention to detail



Concerns

- Stimulants are classified as CII-what does this mean?
 - Addiction and dependency
 - Diversion
- Side effects
- Long term use
- Treating ADHD with other coexisting conditions such as anxiety or depression



Summary

- ADHD medications have proven to be an effective part of treatment
- Start low and go slow
- Finding the right medication may take time
- Be informed, ask the questions, and monitor response



References

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