

Guanfacine

Selected Drug to Treat the Diagnosis(es) or

Symptoms:

A medication adequate for treating Attention-Deficit/Hyperactivity Disorder is Guanfacine. Guanfacine is highly selective for postsynaptic alpha 2A receptors in the prefrontal cortex (Stahl, 2020). The mechanism of action improves ADHD symptoms, including sleep disturbances, hyperactivity, inattentiveness, and aggression. This medication takes a few weeks to see maximum therapeutic benefits in ADHD. It is also used to reduce the sympathetic outflow from the central nervous system (CNS), blood pressure, and heart rate.

Prescription

Name: John Doe

Date: 4/19/2023

Rx: Guanfacine 1mg

Sig: Take one tablet by mouth at

bedtime Dispense: 30 tablets

Refills: 0

Prescriber's Name: Mahalia Abraham

Prescriber's DEA number: XXXXXXXX

Prescriber's NPI number: XXXXXXXXX

The rationale for selecting the medication

Guanfacine effectively treats attention-deficit/hyperactivity disorder (ADHD) symptoms. It has been approved for treating ADHD in children six to twelve years old. Moreover, subsequent clinical studies have indicated that prefrontal cortex regulates attention and guanfacine's action enhances overall performance of ADHD patient (Childress et al., 2020). Stimulants are usually