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## **Non –stimulant ADHD**

medication

first choice → stimulant medication

more side effect

combination stimulant and non stimulant

## **ADHD-specific non stimulants**

FDA approved :

blood pressure medication

anti depressant ( comorbidity) with depression anxiety

clonidine guanfacine and viloxazine



Atomoxetine (stramox) (Strattera)

ok for children ,teens ,adults

clonidine ER (kapvay)

(vasonidin)

guanfacin ER (intuniv)

viloxazin (Qelbree)

FDA approved for children ages 6-17



## **Advantages non stimulant over stimulant :**

don't → agitation , sleeplessness

smother effect , long lasting, lack of appetite

## **Qelbree (viloxazine)**

new non stimulant treatment in 10 years old

FDA approved for 6 -17 years

extended – release cap

single dose

NE uptake inhibitor

anxiety , depression , and ADHA

quick onset



**Disadvantages :**

warning for suicide

like atomoxetine

limited use for 6-17 years

Available in new year

school 2011

**Atomoxetine might cause :**

upset stomach

less appetite

nausea

dizziness

fatigue

mood swing

**less common :**

gaundice

Erection more than 4 hours

allergic reaction





**Side effects of non stimulant :**

Headace

Dizziness

Dry mouth

Loss of appetite

Nausea, vomiting

Stomach pain

**Rare side effects:**

low blood pressure

Hearth rhythm changes

## **Anti depressant drug for ADHD**

Combination of ADHD and depression

Improve attention span

Impulse control , hyperactivity, aggressiveness

## **Hight blood pressure drugs:**

Clonidine and guanfacin

Reduce side effects of stimulant therapy such as sleeplessness and aggressive behavior

Combination of stimulant drugs and clonidine → death

Careful screening for BP and hearth rythm



**TCA**

Desipramine

Imipramin

Nortriptylin

**side effects**

dry mouth with constipation



## **BUPROPION**

ADHA in adults and children