

Psychiatric Medications

Refresher for Primary Care Providers

Disclaimer / Conflicts of Interest:

- These are simplified general rules; consult / refer to psychiatrist for tricky cases or questions
- No pharmaceutical company conflicts-of-interest to report

Treatment of Depression:

- 1/7 with recurrent depressive illness commits suicide; ask about suicidal thoughts! Higher risk if positive patient history or family history; plan and intent are key; have a crisis plan in place
- screen for bipolar disorder before starting treatment

Picking an antidepressant: use what worked!

- personal history of response, lack of response, side effect profile
- family history of response, lack of response, side effect profile

1. SSRI's (Selective Serotonin Reuptake Inhibitors)

- Class Notes: first line for both depression and anxiety; black box for suicidality; anxiety and GI side effects common on initiation, generally goes away; sexual side effects common (delayed ejaculation, decreased libido, anorgasmia), does not generally go away; 4 to 6 weeks for full effect of dosage.
- Specific SSRI's:
 - fluoxetine (Prozac): longest acting; activating; dirty - CYP450 2D6 and 3A4 inhibitor; ideal for: patients without concurrent medical issues who tend to forget doses.
 - sertraline (Zoloft): favored SSRI for pregnancy and lactation – least amount in breast milk; cleaner – weaker CYP450 2D6 and 3A4 inhibitor; weight gain may be more likely
 - citalopram (Celexa): weak CYP450 2D6 inhibitor;
 - escitalopram (Lexapro): cleanest SSRI – no significant actions on CYP450; only remaining SSRI without a generic (thus expensive); S-enantiomer of citalopram (citalopram includes R and S enantiomers)
 - paroxetine (Paxil): shortest acting SSRI, significant withdrawal with missed dose, do NOT use during pregnancy (fetal heart defects);
- SSRI augmentation strategies: bupropion, buspirone, thyroid hormone (T3 cytomel 50 ug even in euthyroid individuals), atypical antipsychotics, lithium

2. Atypical Antidepressants:

- Bupropion (Wellbutrin): Norepinephrine and Dopamine; Not effective for anxiety; Activating; Smoking cessation (Zyban); no sexual side effects; good for augmentation with SSRI's; CYP450 2D6 inhibitor; Contraindicated if history of eating disorders or seizures;
- Mirtazapine (Remeron): Serotonin and Norepinephrine; antihistaminic – weight gain, drowsiness; less sexual side effects; no CYP450 interactions; think geriatric – helps with poor appetite and insomnia;

3. SNRI's (Serotonin and Norepinephrine Reuptake Inhibitors)

- a. Class Notes: Serotonin and Norepinephrine; Second line for depression and anxiety – more side effects, may be effective for patients who fail SSRI's, generally recommend *replacing* SSRI rather than adding to SSRI; monitor BP; possibly helpful for neuropathic pain;
- b. Specific SNRI's
 - i. venlafaxine (Effexor): withdrawal with missed dose; higher risk HTN
 - ii. duloxetine (Cymbalta): FDA indication for diabetic neuropathy; rare liver failure;

4. TCA's (Tricyclic Antidepressants)

- a. Serotonin and Norepinephrine; e.g. clomipramine (Anafranil), clomipramine (Elavil)
- b. dangerous in overdose, more side effects than SSRI's: (anticholinergic -dry mouth, blurry vision, urinary retention, constipation; antihistaminic - wt gain, sleepiness; antiadrenergic-dizziness, orthostatic hypotension).

5. MAOI's (Monoamine Oxidase Inhibitors)

- a. Serotonin, Norepinephrine, Dopamine; e.g. selegiline (Emsam), phenelzine (Nardil)
- b. dangerous in overdose, tyramine dietary requirements, more side effects than SSRI's, can't use with SSRI, need washout period.

6. Atypical antipsychotics

- a. Class notes: primarily for schizophrenia; increasingly prescribed for depression augmentation and bipolar disorder mood stabilization; side effects: weight gain, diabetes, hyperlipidemia; QT prolongation (with risk of Torsades de Pointes), EPS (akathisia, TD (tardive dyskinesia) possible. Generally would not recommend prescribing as PCP's
- b. e.g. olanzapine (Zyprexa) – watch weight gain, diabetes, HL; aripiprazole (Abilify) – watch akathisia; risperidone (Risperdal) – watch EPS / TD, prolactin levels; ziprasidone (Geodon) – watch QT prolongation; quetiapine (Seroquel) – watch weight gain, drowsiness;

Treatment of Anxiety Disorders:

-first line is SSRI's and Cognitive Behavioral Therapy

-benzodiazepenes: okay for short courses or as occasional PRN; chronic benzodiazepene use is NOT recommended – dependence / addiction/ withdrawal; alprazolam (Xanax) is worst culprit for addiction because short half-life; lorazepam (Ativan) or clonazepam (Klonopin) preferred when necessary.

Treatment of Insomnia:

-Acute: short course of sleep aid and stop within 1-2 weeks once sleep patterns restored.

-Chronic: treat underlying cause (medical issues-obstructive sleep apnea, other sleep disorders; psychiatric issues-depression, bipolar disorder, anxiety, etc)

1. Sleep hygiene can help immensely (regular bedtime, no naps, caffeine/EtOH intake)
2. If longer term sleep aid needed - trazodone 50-100mg qhs PRN - bad anti-depressant but effective sleep aide, generally less addictive than benzodiazepene (estazolam (ProSom), temazepam (Restoril), triazolam (Halcion)) and non-benzodiazepene alternatives (eszopiclone (Lunesta), zalepon (Sonata), zolpidem (Ambien).