



Anxiolytic Medications Table

Week 4

CH

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THIS ASSIGNMENT SHOULD BE SUBMITTED TO THE WEEK 4 MEDICATION TABLE DROPBOX BY SUNDAY

Drug Name/ Medication class	Indication list diagnosis and targeted symptoms	Associated Neurotransmitter s	Half-life (T1/2) Metabolism (CYP 450 enzyme)	Notable side effects
Gabapentin Glutamate voltage-gated calcium channel blocker. Anticonvulsant, antineuralgic for chronic pain, alpha 2delta ligand voltage sensitive calcium channels	Indication Partial seizures Postherpetic neuralgia, neuropathic pain Restless legs syndrome. Targeted Symptoms: Seizures Pain Anxiety.	Gama- aminobutyric acid (GABA) Binds to the alpha 2 delta subunit of voltage sensitive calcium channels.	Half-life: 5-7 hours CPY: Not significantly metabolized by CYP450 enzymes; primarily excreted unchanged in the urine/renally	Somnolence/dizziness/ataxia from reduced presynaptic reduced excitatory neurotransmitter circuits. Nystagmus/ataxia from cerebellar dysfunction from the same Peripheral edema Blurred vision, Vomiting, Dyspepsia, diarrhea, constipation, weight gain. Additional effects in children include hostility, emotional lability, disorder, weight gain
Pregabalin Glutamate voltage- gated calcium channel blocker (Glu- CB) Anticonvulsant,	Indication: FDA-approved for partial-onset seizures Postherpetic neuralgia Diabetic peripheral neuropathy Spinal cord injury pain Fibromyalgia generalized anxiety	Gama- aminobutyric acid (GABA) Binds to alpha 2 delta subunit of voltage-sensitive calcium channels, reducing release	Half-life: 5-7 hours CPY: Not appreciably metabolized; renal excretion, no significant CYP450 involvement	Notable side effects & limitations Sedation, Dizziness, drowsiness, depression from reduced neurotransmitter release. Euphoria and increased abuse potential linked to alpha 2 delta subunit analog effects.

Antineuralgic for chronic pain Alpha 2 delta ligand at voltage-sensitive calcium channels.	disorder (in some regions). Targets symptoms Neuropathic pain Generalized anxiety Somatic tension Sleep disturbance related to pain.	of glutamate, substance P, norepinephrine		Blurred vision and peripheral calcium-channel modulation CNS/periphery. Suicidal thoughts (rare): changes. Memory impairment, von dysfunction, Peripheral e
Buspirone Serotonin receptor partial agonist (S-RPA) Anxiolytic.	Indication Management of anxiety disorders Short-term relief of anxiety symptoms. Targets symptoms Anxiety Excessive worry Psychic tension Apprehension Irritability.	Serotonin 5-HT1A Binds to serotonin type 1A receptors Partial agonist actions postsynaptically may theoretically diminish serotonergic activity and contribute to anxiolytic actions. Partial agonist actions at presynaptic somatodendritic serotonin auto receptors may theoretically	Half-life: 2-3 hours CYP: CYP34A	Nausea, dizziness, headache serotonin partial agonist Sedation Excitement Restlessness