

Neurotransmitter Table

To be completed throughout course and submitted in Week 8*

PLEASE SUBMIT THIS ASSIGNMENT USING THIS TEMPLATE

Neurotransmitter Table

Neuro transmitter	Receptor Subtype	Location/Function/ Effects/symptoms of excess or deficit if applicable	Distribution (ie: CNS/PNS, GI, vascular)	Drug classes that target this neurotransmitter or receptor	Specific medications
Glutamate	AMPA	Ligand-gated ion channels modulate cell excitability by allowing the flow of calcium & sodium ions into the cell. Located at the CNS in neurons and glia Excess results in schizophrenia. Epilepsy, and mania	CNS	NMDA glutamate Antagonist Barbituates Antiepileptics	Me Ke Dextro Dextro Per
	NMDA	Ligand-gated ion channels Strengthens synapses and involved in strong memory formation Excess is associated with memory & learning impairments, psychosis, & excitotoxic brain injury	CNS	NMDA receptor Antagonist Antipsychotics Loop diuretics Opiates Antidepressants	Am Me Ke Ketol Dextro Fur H Tr me Dextro
GABA	GABA a	Ligand-gated ion channels Causes postsynaptic inhibition by Cl ⁻ -influx inotropic receptor reduces	CNS Limbic system Striatum Medulla	Benzodiazepines Hypnotics Neuroactive steroids	Alp Allopre Clor Za