



Dementia Medications Table

Week 8

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THIS ASSIGNMENT SHOULD BE SUBMITTED TO THE WEEK 8 MEDICATION TABLE DROPBOX BY SATURDAY

Drug Name and Class	FDA Indication (include stages) Neurotransmitters Affected/Mechanism of Action Target Symptoms	Short-acting, intermediate-acting, or long-acting. Duration of Action and Half-life (T1/2), CYP 450 enzyme	Notable Side Effects/Precautions Education Instructions
Donepezil (Aricept)	<p><u>FDA Indication (include stages):</u></p> <ul style="list-style-type: none"> Alzheimer disease (mild, moderate, and severe) Memory disorders in other conditions Mild cognitive impairment <p><u>Neurotransmitters Affected:</u> Acetylcholine</p> <p><u>Mechanism of Action:</u> Inhibits centrally active acetylcholinesterase making more acetylcholine</p>	<p>Long-acting</p> <p>Metabolized by CYP450 2D6 and CYP450 3A4</p> <p>Elimination half-life approximately 70 hours</p>	<p>Side effects:</p> <ul style="list-style-type: none"> Nausea, diarrhea, vomiting, weight loss, increased gastric acid Insomnia, dizziness Muscle cramps, fatigue, depression, abnormal drainage <p>Should be used cautiously in those with heart failure or other conditions. Not recommended for use in pregnancy. Not recommended for nursing women. May exacerbate asthma or other respiratory disease. Increased gastric secretion may increase the risk of ulcers. Increased risk for heart block of</p>

	<p>available which compensates in part for degenerating cholinergic neurons in neocortex that regulate memory.</p> <p><u>Target Symptoms:</u></p> <ul style="list-style-type: none"> • Memory loss in Alzheimer disease • Behavioral symptoms in Alzheimer disease • Memory loss in other dementias 		
Rivastigmine (Exelon)	<p><u>FDA Indication (include stages):</u></p> <ul style="list-style-type: none"> • Alzheimer disease (mild to moderate) • Parkinson’s disease dementia (mild to moderate) • Memory disorders in other conditions • Mild cognitive 	<p>Long-acting</p> <p>Elimination half-life 1-2 hours</p> <p>Not hepatically metabolized</p>	<p>Side effects:</p> <ul style="list-style-type: none"> • Nausea, diarrhea, vomiting, weight loss, dyspepsia, gastric acid secretion. • Headache, dizziness • Fatigue, asthenia, sweating <p>May exacerbate asthma or other disease.</p> <p>May increase risk of ulcers.</p> <p>Bradycardia or heart block may occur with or without cardiac impairment.</p> <p>Severe vomiting with esophageal</p>