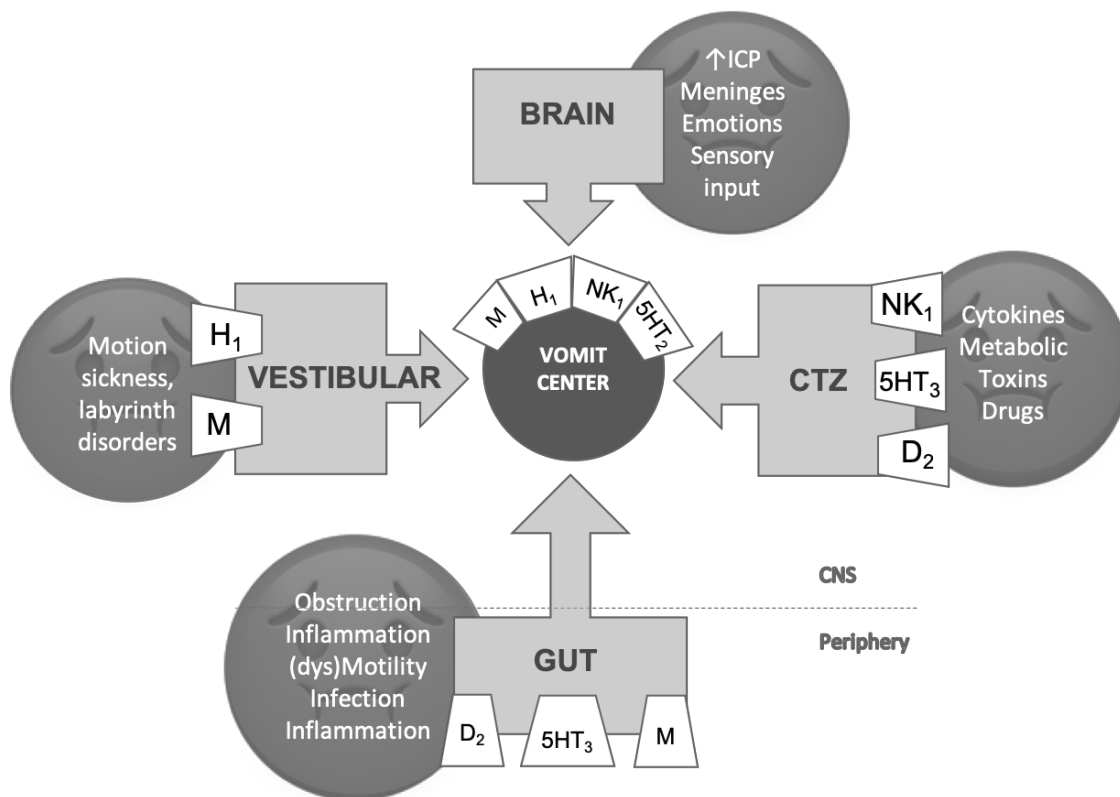


NAUSEA & VOMITING: A Quick Reference

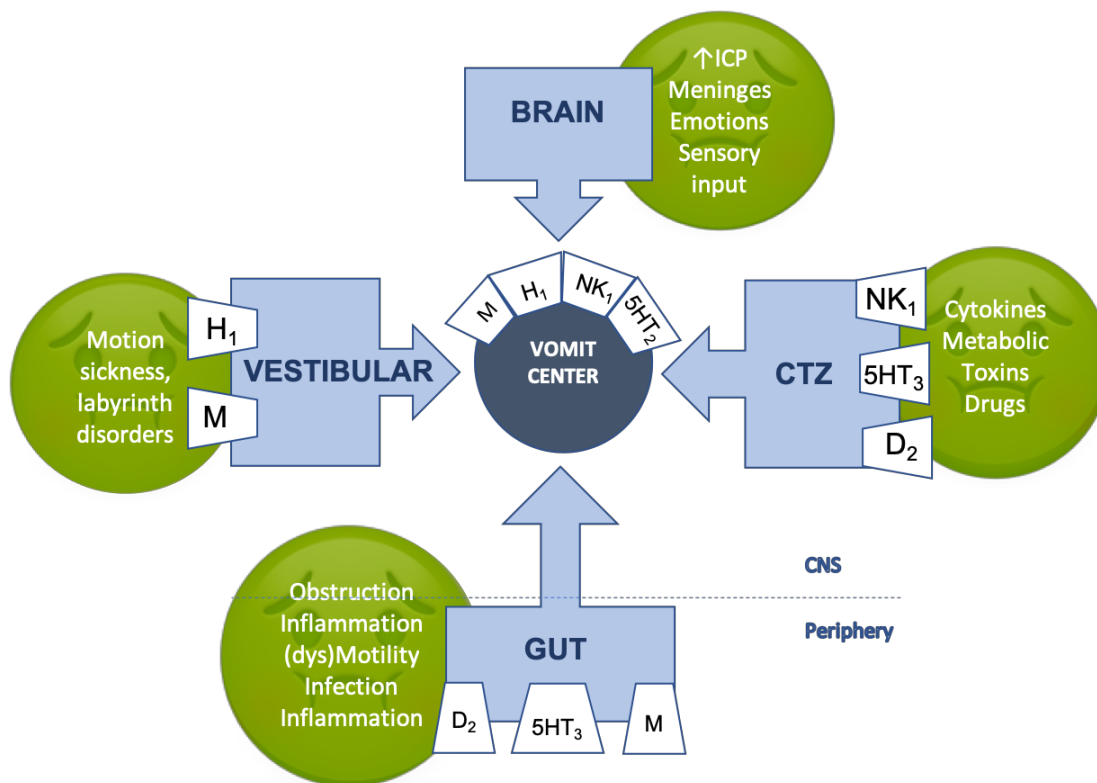
Compiled by Alex Sable-Smith, MD (3/2019)



Antiemetic Drugs and Receptor Action							
	+ Agonist →						5HT ₄
- Antagonist →	D ₂	H ₁	M	5HT ₂	5HT ₃	NK ₁	
<i>Aprepitant</i>						■	
<i>Chlorpromazine</i>	■						
<i>Haloperidol</i>	■						
<i>Metoclopramide</i>	■				■		■
<i>(Ondan)setron</i>					■		
<i>Olanzapine</i>	■				■		
<i>Prochlorperazine</i>	■						
<i>Promethazine</i>	■	■					
<i>Scopolamine</i>			■				
Adverse effects	-EPS -long QT	-Sedation -Delirium	-Sedation -Delirium -Constipation -Dry mouth -Urinary retention	-sedation	-constipation -Headache -Long QT	-Fatigue -Neutropenia	-colic
<p>Benzodiazepines likely help nausea via anxiolysis when there is a strong affective component, as well as through sedative effect. Cannabinoids have been shown in some studies to reduce nausea, thought to be mediated through action on cannabinoid receptors which are abundant in the CNS. Steroids are thought to work by reducing inflammation, which can both address underlying cause (i.e. edema surrounding tumor) and reducing downstream inflammatory mediators.</p>							
Legend	■ Strong activity ■ Moderate activity ■ Weak activity □ No activity	D=dopamine, H=histamine 5HT=serotonin, NK=neurokinin M=muscarinic acetylcholine receptor			Adapted from: <u>Palliative Care Formulary</u> , 6 th Ed. (2017). Edited by Twycross, Wilcock, and Howard.		

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- Antagonist →	D ₂	H ₁	M	5HT ₂	5HT ₃	NK ₁		
<i>Aprepitant</i>						Strong		
<i>Chlorpromazine</i>	Strong	Strong	Strong	Strong				
<i>Haloperidol</i>	Strong			Weak				
<i>Metoclopramide</i>	Strong				Weak		Strong	
<i>(Ondan)setron</i>					Strong			
<i>Olanzapine</i>	Strong	Weak	Strong	Strong	Weak			
<i>Prochlorperazine</i>	Strong	Strong	Weak	Weak				
<i>Promethazine</i>	Weak	Strong	Strong					
<i>Scopolamine</i>			Strong					
Adverse effects	-EPS -long QT	-Sedation -Delirium	-Sedation -Delirium -Constipation -Dry mouth -Urinary retention	-sedation	-constipation -Headache -Long QT	-Fatigue -Neutropenia	-colic	
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Legend	<div style="display: flex; flex-direction: column; gap: 5px;"> <div style="width: 15px; height: 15px; background-color: #006400; border: 1px solid black;"></div> <div style="width: 15px; height: 15px; background-color: #90EE90; border: 1px solid black;"></div> <div style="width: 15px; height: 15px; background-color: #90EE90; border: 1px solid black; opacity: 0.5;"></div> <div style="width: 15px; height: 15px; border: 1px solid black;"></div> </div>	Strong activity Moderate activity Weak activity No activity	D=dopamine, H=histamine 5HT=serotonin, NK=neurokinin M=muscarinic acetylcholine receptor			Adapted from: Palliative Care Formulary, 6 th Ed. (2017). Edited by Twycross, Wilcock, and Howard.		