

ANTIEMETICS – done by: Jawaher Abanumy

DRUGS	ACT ON					USE				ADRs
	Vomiting centre (medulla)	CTZ	Vestibular System	PNS (GIT, pharynx)	Higher cortical centres	Chemotherapy induced vomiting	Postoperative NV	Motion sickness	Other	
Serotonin (5HT3) antagonist Ondansetron Granisetron	✓	✓		✓		✓✓	✓✓			Minimal: headache, dizziness, constipation Minor ECG: QT prolongation
Dopamine (D2) antagonist <i>Prokinetic*</i> Domperidone Metoclopramide		✓							Vomiting due to cytotoxic drugs, uremia, gastritis *Prokinetic = increase upper GI motility & gastric emptying (can be used in GERD) → 5HT4 agonist	<i>Only metoclopramide</i> Dyskinesia, galactorrhoea, impotence, postural hypotension, sedation.
Dopamine (D2) antagonist <i>Neuroleptic (antipsychotic)</i> Chlorpromazine Droperidol		✓				✓	✓			Extrapyramidal, sedation, postural hypotension
NK1 Neurokinin1 (substance P) antagonist Aprepitant		✓				✓	✓			
Histamine (H1) antagonist Diphenhydramine Promethazine Meclizine Cyclizine			✓					✓	Morning sickness in pregnancy: promethazine (after first trimester) can also use pyridoxine (vit B6)	Sedation, hypotension, anticholinergic effects.
Muscarinic antagonists Hyoscine (scopolamine)	✓		✓			✗		✓		Sedation, tachycardia, blurred vision, dry mouth, constipation, urinary retention
Glucocorticoids Dexamethasone Methylprednisolone						✓	✓			Hyperglycemia, hypertension, cataract, osteoporosis, ↑ intraocular pressure ↑ susceptibility to infection ↑ appetite & obesity