

# Department of anesthesia

Practical pharmacology

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**gastrointestinal disorder**

**Part 2**

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# DRUGS USED TO NAUSEA AND VOMITING

- nausea and vomiting occur in a variety of conditions (for example, motion sickness, pregnancy, and GI illnesses) and are always unpleasant for the patient
- **Type of anti emeting drugs**
  1. **Phenothiazines** : prochlorperazine effective against low or moderately emetogenic chemotherapeutic agents

- **2. (5-HT<sub>3</sub>) receptor blockers:** dolasetron, granisetron and **ondansetron** their superior efficacy and longer duration of action, recommended used, useful in the management of postoperative nausea and vomiting
- **3. metoclopramide** have Antidopaminergic adverse effects, including extrapyramidal symptoms

# ANTIDIARRHEALS

- **A. Antimotility agents** : diphenoxylate and loperamide act opioid-like actions on the gut, treatment of acute diarrhea, including traveler's diarrhea
- **B. Adsorbent:** aluminum hydroxide and methyl cellulose are used to control diarrhea
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# LAXATIVES

- **A. Irritants and stimulants :**
- **1. Senna , 2. Bisacodyl , 3. Castor oil**
- **B. Bulk laxatives:** include hydrophilic colloids (from indigestible parts of fruits and vegetables) , **methylcellulose, psyllium**
- **seeds, and bran**
- **C. Saline and osmotic laxatives:** magnesium citrate and magnesium hydroxide
- **D. Lubricant laxatives:** Mineral oil and glycerin suppositories