

Name(s)

- **Generic:** dicyclomine (dye SYE kloe meen) | **Brand:** Bentyl

Therapeutic Category

- Anticholinergic Agent | Antispasmodic

Indication(s)

1. **Irritable bowel syndrome (IBS):** Used to treat abdominal pain associated with IBS. Reduces stomach and intestinal cramping.

Dosage Form & Strength

- **Capsule:** 10 mg, 20 mg
- **Oral (PO) Solution:** 10 mg/mL
- **Intramuscular (IM) Solution:** 10 mg/5 mL

Dosing by Indication

- **Dosing for IBS-Associated Abdominal Pain in Adults**
 - **PO:** Initiate 20 mg PO for up to four times daily. Intended for short-term use (2 weeks or less). Also recommended for as needed abdominal pain triggers and stressors. May titrate dose after 1 week up to 40 mg QID but >20 mg doses are not recommended.
- **Dosing for IBS-Associated Abdominal Pain in Pediatrics**
 - **Infants ≥6 months & Children; PO:** Initiate 5-10 mg PO 3-4 times daily 15 min before feeding.
 - **Children ≥2 years; PO:** Initiate 10 mg PO 3-4 times daily.
 - **Adolescents; PO:** Initiate 10-20 mg PO 3-4 times daily for up to 2 weeks. Discontinue if patient is not responding to therapy.

Mechanism of Action & Pharmacology

- **MOA:** Acetylcholine is blocked at various parasympathetic sites such as the smooth muscle, the secretory glands and in the central nervous system.
- **Absorption:** Oral dose is rapidly absorbed | **Metabolism:** Extensive | **Excretion:** 80% urine and 8% in feces | **Time to Peak:** Oral dose peaks w/in 60-90 minutes | **Duration of Action:** Last for up to 4 hours | **Half-Life Elimination:** Initial phase is ~1.8 hours, Terminal phase is undetermined but purposed to be longer than the initial phase

Special Populations & Considerations

- Not to be used in **children under 6 months** old b/c of the risk of serious side effects.
- Avoid use in **geriatric population** due to Beer Criteria and anticholinergic effects
- **IM injectable** is not to be used beyond 2 days. Due to necrosis and pain experts suggest to avoid use and do not admin IV. IM only.

Side Effects



- >10%: **Dizziness** (40%), **xerostomia** (33%), blurred vision (27%), nausea (14%)
- 1-10%: Drowsiness, nervousness, weakness
- Others: Constipation, abdominal bloating, diarrhea, psychosis/delirium, fatigue, anxiety, loss of strength/energy

Drug Interactions

- **Antacids** will lower the body's absorption of dicyclomine
- **Potassium** is affected by the slowed gut movement caused by dicyclomine.
- Dicyclomine effects absorption of many drugs such as **levodopa**, **ketoconazole**, **digoxin** and others. Take meds 2 hours prior to using dicycomine.
- Other drugs that cause anticholinergic effects (dry mouth, constipation) such as **atropine**, **glycopyrrolate**, and **scopolamine**, for example.
- Caution with drugs that may cause sedative effects

Monitoring Parameters

- Level of **anticholinergic effects**
- GI symptoms

Patient Counseling Information

- Used to treat gastrointestinal spasms and irritable bowel syndrome
- If using **antacids**, separate the two. For example, take dicyclomine before meals and the antacid after meals.
- May be taken **with or without food**.

Reference(s)

- <https://www.drugs.com/ppa/dicyclomine.html>
- <https://www.webmd.com/drugs/2/drug-5247/dicyclomine-oral/details>

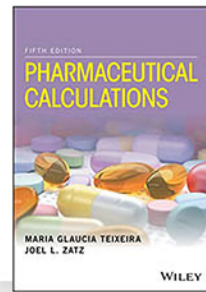


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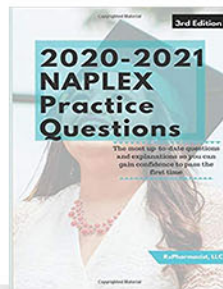
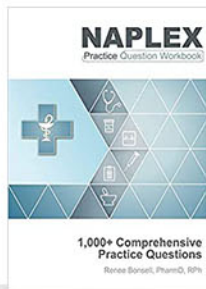
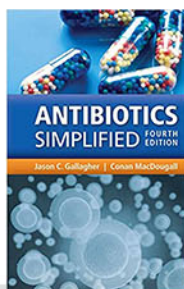
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