

ACTIVE LEARNING TEMPLATE: *Medication*

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MEDICATION Guaifenesin (Bidex, Mucinex, siltussin, Tussin)

REVIEW MODULE CHAPTER _____

CATEGORY CLASS Expectorant

PURPOSE OF MEDICATION

Expected Pharmacological Action

Thought to act as expectorant by increasing the effective hydration of the respiratory tract, maintains the sol layer needed for ciliary clearance and reduces the viscosity of the respiratory mucus, thereby further facilitating its removal by natural clearance processes.

Therapeutic Use

Used to thin mucus so it can be taken from the body by coughing.

Complications

Side effects: Dizziness, drowsiness, headache; skin rash; nausea, vomiting, stomach pain.

Adverse effects: hypouricemia; nephrolithiasis.

Medication Administration

Route: PO (Administer with full glass of water)

ER tablet: 600 mg to 1.2 g q12 hours as needed. Max daily dose: 2.4g.

-Do not break, crush, or chew tablet.

Granules: 200-400 mg q4 hours as needed. Max daily dose: 2.4g.

-Empty contents of packet onto tongue and swallow; do not chew.

Contraindications/Precautions

Contraindications: Do not use ER tablets in children <12 years.

Precautions: If symptoms have not improved, or have worsened after 7 days contact a physician. For chronic or persistent cough, or if cough is accompanied with excessive phlegm, contact doctor prior to use.

Nursing Interventions

- Monitor for side effects and adverse reactions
- Monitor fluid intake; crucial that pt is drinking enough

Interactions

Drug: Disulfiram, Methotrimeprazine, Ornidazole, Secnidazole

Client Education

- Encourage adequate hydration
- Notify immediately if you have allergic reaction type symptoms

Evaluation of Medication Effectiveness

Mucus is being excreted via cough by patient.