

ACTIVE LEARNING TEMPLATE: **Medication**

STUDENT NAME Lily Joyce

MEDICATION Guaifenesin (Aiden Jr., Mucinex)

REVIEW MODULE CHAPTER _____

CATEGORY CLASS Expectorants, mucocactive agent

PURPOSE OF MEDICATION

Expected Pharmacological Action

x thinning respiratory secretions, allowing liquid and mucous to move easily through the upper respiratory tract. increases overall respiratory tract fluid

Therapeutic Use

x manage allergies, colds, cough remedies, expectorant (thin or loosen mucus in the respiratory tract)

Complications

x hypersensitivity
Dermi- rash, urticaria
GI- diarrhea, nausea, stomach pain, vomiting
Neuro- dizziness, headache.

Medication Administration (Route)

P.O. (Oral) Adults-
Immediate release 200-400mg every 4 hrs.
Extended release 600-1200 mg every 12 hrs.
x DO NOT exceed 2400 mg/day.

Contraindications/Precautions

x hypersensitivity to guaifacine or any component to the formulation
x hypersensitivity to some products containing alcohol
x patient using products containing aspartame should be avoided in patients with phenylketonuria.

Nursing Interventions

x maintain fluid intake to decrease fluid viscosity
x assess lung sounds, frequent coughs, bronchial secretions

Interactions Open Drug Interaction

Drug-Drug Interaction- None reported

Client Education

x Patient sit upright, cough when feeling necessary
x know the abuse potential
x could cause lack of alertness and possible dizziness.
x Contact doctor if lasts over a month.

Evaluation of Medication Effectiveness

x easier release/removal of mucus and cough from upper respiratory tract.

ACTIVE LEARNING TEMPLATE: Medication

STUDENT NAME Lily Joyce

MEDICATION Oxycodone, Xtampza ER REVIEW MODULE CHAPTER _____

CATEGORY CLASS Opioid analgesic, controlled substance: II

PURPOSE OF MEDICATION (mechanisms of actions)

Expected Pharmacological Action

x alters perception of and emotional response to pain at spinal cord and higher levels of CNS by blocking release of inhibitory neurotransmitters.

Therapeutic Use

x to manage moderate to severe pain when a continuous around the clock opioid analgesic is needed for an extended period of time.

Complications Side effects / adverse reactions

x abnormal dreams, anxiety, asthenia, dizziness, drowsiness, insomnia, seizures
 x Bradycardia, hypotension, chest pain, orthostatic hypotension, palpitations
 x dry eyes, dry mouth, difficulty swallowing, choking, constipation, vomiting, nausea, respiratory depression, anaphylaxis, hyponatremia.

Contraindications/Precautions

x acute or severe bronchial asthma
 x hypercarbia in unmonitored settings
 x GI obstruction x respiratory depression
 x hypersensitivity
 x Paralytic ileus

Use cautiously in: history of substance abuse, head trauma, severe impairment, hyperthyroidism, adrenal pain

Interactions

x MAO inhibitors - mixed agonist/antagonist analgesics
 x Nalbuphine or buprenorphine - partial agonist analgesics
 x Triezole - antidepressants
 x Monitor Blood Pressure (hypertension risk)
 x Breathing / sleep apnea, respiratory depression

Medication Administration

P.O. (by mouth) - administered with food.

(Do not chew or crush tablets)
 x have patient take one pill at a time

PO Duration - 3-6 hrs

PO/ER Duration - 12 hrs

Nursing Interventions x abuse addiction

x assess pain regularly, before and after
 x Assess patient for paradoxical excitation
 x Monitor for paradoxical increase in

x Monitor Blood Pressure (hypertension risk)

x Breathing / sleep apnea, respiratory depression

Evaluation of Medication Effectiveness

x assess pain scale (before and after medication administration)
 x assess vitals

Client Education

x take with food
 x give as prescribed, don't overtake
 x misuse can lead to addiction
 x avoid alcohol and other drugs
 x avoid grapefruit juice (will impact with body process)
 x Always swallow whole