

ACTIVE LEARNING TEMPLATE: *Medication*

STUDENT NAME riley osborne

MEDICATION morphine IVP REVIEW MODULE CHAPTER \_\_\_\_\_

CATEGORY CLASS opioid agonist

**PURPOSE OF MEDICATION**

**Expected Pharmacological Action**

Binds to opiate receptors in the CNS. Alters the perception of and response to painful stimuli while producing generalized CNS depression.

**Therapeutic Use**

Decrease in severity of pain.

**Complications**

CV: hypotension, bradycardia. Derm: flushing, itching, sweating. GI: constipation, nausea, vomiting. Neuro: confusion, sedation, dizziness, dysphoria, euphoria, floating feeling, hallucinations, headache, unusual dreams. Resp: **RESPIRATORY DEPRESSION**

**Medication Administration**

start at 30mg every 3-4hr or once every 24hr

available in immediate release tablets, extended release tablets, solutions for IVs indicated for severe pain

**Contraindications/Precautions**

use cautiously in personal or family history of substance abuse disorder or mental health illness: head trauma can increase intracranial pressure; severe renal impairment; severe hepatic impairment; severe pulmonary disease; hypothyroidism; seizure disorder; adrenal insufficiency; undiagnosed abdominal pain; prostatic hyperplasia

**Nursing Interventions**

assess type, location and intensity of pain prior to and 1 hour following PO  
assess LOC, BP, HR and RR before and periodically after administration  
assess bowel function routinely  
assess opioid addiction risk

**Interactions**

Use with extreme caution in patients receiving MAO inhibitors within 14 days prior (may result in unpredictable, severe reactions). Use with benzodiazepines or other CNS depressants, including other opioids, nonbenzodiazepine sedative/hypnotics, anxiolytics, general anesthetics, muscle relaxants, antipsychotics, and alcohol, may cause profound sedation, respiratory depression, coma, and death.

**Client Education**

signs of addiction  
when to take it and how  
when to see the doctor about signs and symptoms increasing or changing  
explain side effects

**Evaluation of Medication Effectiveness**

pain score on a numeric level decreasing



### Compatibility

acetaminophen, doxycycline, benztropine, digoxin, fentanyl, LR, multivitamins, lorazepam, heparin, NS

### Amount

2.5-15 mg

### Rate of Administration

administer slowly at 2.5-15mg over 5 minutes. rapid administration may lead to increased respiratory depression. hypotension and circulatory collapse

### Diluent

IV Push: Diluent: Do not dilute prior to injection.

### Site, supplies, storage, stability

in closed container at room temp away from heat and moisture and direct light