

ACTIVE LEARNING TEMPLATE: *Medication*

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MEDICATION Morphine Sulfate REVIEW MODULE CHAPTER \_\_\_\_\_

CATEGORY CLASS Opioid Analgesic

**PURPOSE OF MEDICATION**

**Expected Pharmacological Action**

Binds with opioid receptors within the CNS, inhibiting ascending pain pathways

**Therapeutic Use**

Management of severe pain that may be chronic or acute, or that alters ADL's of a client

**Complications**

N/V, sedation, hypotension, facial flushing, diaphoresis, constipation, dizziness, drowsiness, allergic reaction, dyspnea, confusion

**Medication Administration**

IVP: May give undiluted, for IV injection dilute in sterile water or NS to final concentration of 1-2 mg/ml  
Always administer very slowly  
Store at room temperature

**Contraindications/Precautions**

Acute or severe asthma, GI obstruction, known or suspected paralytic ileus, use of MAOIs, severe respiratory depression, COPD, hypoxia, Cardiovascular disease

**Nursing Interventions**

Monitor VS 5-10 min after administration  
Be alert for decreases RR, and BP  
Monitor bowel activity  
Teach breathing exercises

**Interactions**

Alcohol, CNS depressants, MAOIs, herbals with sedative properties

**Client Education**

Change positions slowly to avoid orthostatic hypotension  
Avoid tasks that require alertness or motor skills  
Avoid alcohol and CNS depressants  
Report any ineffective pain control

**Evaluation of Medication Effectiveness**

Monitor VS until back to baseline, assess pain level on numeric scale, assess LOC, always ask client how they feel

### Compatibility

Amiodarone, atropine, Bumex, bupivacaine, Precedex, diltiazem, diphenhydramine, dobutamine, dopamine, glycopyrrolate, heparin, lidocaine, hydroxyzine, lorazepam, magnesium, midazolam, milrinone, nitroglycerin, potassium, propofol

### Amount

N/A was not provided however,  
IV Injection recommended 1-2 mg/ml

### Rate of Administration

N/A unable to calculate with information given however,  
it is recommended to give very slowly, according to may clinic it should be pushed over  
15-30 minutes

### Diluent

Sterile water or NS until reached concentration of 1-2 mg/ml

### Site, supplies, storage, stability

Should be pushed through an IV site, will need alcohol pads,  
glove, and syringe with morphine injection, store at room temperature, drug can cause  
instability in clients but usually well tolerated.