

ACTIVE LEARNING TEMPLATE: Medication

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MEDICATION Morphine IV (Sulfate)

REVIEW MODULE CHAPTER _____

CATEGORY CLASS Opioid Agonist (Schedule II); Opioid Analgesic

PURPOSE OF MEDICATION

Expected Pharmacological Action

Binds to opioid receptors in the CNS, inhibiting ascending pain pathways

Therapeutic Use

Alters pain perception and emotional response to pain

Complications

N/V in ambulatory patients
 sedation, decreased BP, diaphoresis, facial flushing, constipation, dizziness, drowsiness, dyspnea
 Overdose: Respiratory depression, cyanosis, extreme drowsiness; Tolerance \bar{c} frequent use

HA, \downarrow appetite
 urinary retention

Medication Administration

IV Adults/Elderly: 0.1-0.2 mg/kg q4hr PRN pain or 2-10 mg

Antidote: Naloxone

- Admin very slowly

Contraindications/Precautions

Acute - severe asthma, GI obstruction/Paralytic ileus, concurrent use of MAOI's, or severe respiratory depression \rightarrow CNS Depression!!

COPD, cor pulmonale, hypoxia, severe hypotension, pancreatitis, \heartsuit disease, morbid obesity, renal/hepatic impairment
 PMHx of ~~ADD~~ misuse

Nursing Interventions

- Monitor VS 5-10 min after IV admin (*RR*)
- Monitor for adequate voiding
- Implement fall precautions
- Monitor bowel activity
- Initiate deep breathing and coughing exercises
- Record onset of pain relief

Interactions

ETOH

Other CNS Depressants: Lorazepam, gabapentin, Zolpidem

MAOI's: Phenelzine, selegiline

Herbals \bar{c} sedative properties

May \uparrow serum amylase, lipase

Evaluation of Medication Effectiveness

Have pt. rate their pain on a 0-10 scale

\rightarrow Has pain relieved? DPPARST?

Improved VS
 Neutral mood

Absence of guarding or grimacing

Client Education

- Change positions slowly to prevent orthostatic hypotension
- Avoid tasks that require alertness \rightarrow NO DRIVING
- Avoid ETOH and CNS depressants
- Fall precautions
- Report S/E \rightarrow Dyspnea
- Dependency may occur

Compatibility

Amiodarone	Diltiazem	Nitroglycerin
Atropine	Diphenhydramine	Potassium
Bumetadine	Dopamine	Propofol
Bupivacaine	Lorazepam	Midazolam

Amount

? Not provided

Rate of Administration

IVP → slowly over 4-5 min
↳ or as ordered by MD

Diluent

may give undiluted
↳ IV continuous → D5W, NS

Site, supplies, storage, stability

store @ room T°
Away from heat, moisture, or direct sunlight
0.5mg/mL or 1mg/mL