

MORPHINE SULFATE

PHARMACOLOGY & ACTIONS:

- Analgesic
- Peripheral vasodilator
- Pupil constriction
- Respiratory depressant
- Cardiac effect of vasodilation:
 - decreases myocardial oxygen consumption
 - decreases left ventricular end - diastolic pressure
 - decreases cardiac work load
 - may decrease incidence of dysrhythmias

INDICATIONS:

- Chest pain not relieved by NTG
- Pulmonary edema
- Extremity fractures in absence of any head, chest, or abdominal injuries.
- Back and neck injuries when sedation/pain relief are necessary to prevent a patient from moving around and potentially injuring themselves.

CONTRAINDICATIONS:

- Hypotension
- Head injuries or abdominal injuries
- Patients with respiratory difficulties except for pulmonary edema.
- Major blood loss
- Decreased level of consciousness

ADMINISTRATION:

- Adult dose: 2-20 mg given slowly IV/ IM titrated to patient's condition and response
- Pediatric dose: .1-.2 mg/kg IV, IO

SIDE EFFECTS & SPECIAL NOTES:

- Respiratory depression
- Decreased BP
- Decreased level of consciousness
- Decreased heart rate
- N/V
- Have naloxone available to reverse over administration
- Allergic reactions
- May follow administration with Phenergan for nausea

CLASS: A

PROTOCOL(S) USED IN: ACLS, Trauma, RSI, Amputation, Burns, Chest Pain,
CHF