

MORPHINE (Morphine sulfate)

Protocols: Multiple *Controlled substance, schedule II*

- **Type of drug:** Opioid analgesic
- **Mechanism of Action:** depresses pain impulse transmission at the spinal cord level by interacting with opioid receptors; produces generalized CNS depression; decreased systemicvascular resistance, relieving pulmonary congestion.
- **Indications:** severe pain, Pulmonary edema
- **Contraindications:** COPD, hypotension
- **Precautions:** head trauma/increased ICP, patients who regularly intake alcohol
- **Route and Dosage:** Adults 2-4mg IV/IM/IO initial dose. After initial dose, 2mg q 5 mins to max.dose of 10 mg. Pediatric – 0.1 mg/kg IV / IO / IM. May repeat every 5 minutes. Maximum singledose 4 mg, Maximum dose 10 mg. ****Pediatric dose should not exceed adult dose.****
- **Adverse reactions and side effects:** respiratory depression, hypotension