Medical Control Guideline: DRUG REFERENCE – MORPHINE

Classification
Opiate Analgesic

Prehospital Indications
Multiple provider impressions: pain management

Other Common Indications
None

Adult Dose
4mg (1mL) slow IV/IO push or IM, repeat every 5 min prn, maximum total dose prior to Base contact 12mg
Contact Base for additional pain management after maximum dose administered: may repeat dose for a maximum total dose of 20mg

Pediatric Dose
0.1mg/kg (4mg/mL) slow IV/IO push or IM, dose per MCG 1309, repeat in 5 min x1, maximum 2 total doses prior to Base contact
Contact Base for additional pain management after maximum dose administered: may repeat dose for a maximum 4 total doses

Mechanism of Action
Narcotic agonist- analgesic of opiate receptors; inhibits ascending pain pathways, thus altering response to pain.

Pharmacokinetics
Onset is immediate IV, 15-30 min IM; duration is 2-7 hr

Contraindications
Hypotension or evidence or poor perfusion
History of allergy to morphine or other narcotic medications

Interactions
Central nervous system depressants, sedatives, barbiturates, alcohol, benzodiazepines and tricyclic depressants may potentiate the central nervous system and respiratory depressant effects.

Adverse Effects
Decrease cough reflex
Disorientation
Hypotension
Nausea and vomiting
Respiratory depression

Prehospital Considerations
- Monitor vital signs at regular intervals
- Consider monitoring with EtCO2 if available
- Use extreme caution in patient at risk for respiratory depression or ALOC
- Naloxone may be used for reversal of respiratory depression if needed