

Southern Illinois Regional EMS System

JJ-12 FENTANYL CITRATE

Class:

- Opioid analgesic

Description:

- Fentanyl combines with receptor sites in the brain to produce potent analgesic effects.

Onset and Duration:

- Onset: 1-2 minutes after administration
- Duration: ½ to 1 hour

Indications:

- Pain control
- Consider if the patient has an allergy to morphine.

Contraindications:

- Hypersensitivity to opiates
- Hypotension
- Head injury
- Respiratory depression
- Cardiac dysrhythmias
- Myasthenia gravis

Adverse Reactions:

- Hypotension or hypertension
- Bradycardia
- Respiratory depression
- Nausea and vomiting
- Chest wall muscle rigidity

Drug Interactions:

- Central nervous system depressants may potentiate effects of Fentanyl.

How Supplied:

- 50 – 100 mcg/mL ampules or vials

Dosage and Administration:

- Adult:
 - 1 mcg/kg to a maximum initial dose of 50 mcg IV/IO/IM
 - May repeat in 25 mcg increments every 5 min. for a maximum total dose of 150 mcg.
 - Elderly >65 years old: maximum initial dose of 25 mcg IV/IO/IM
 - May repeat in 25 mcg increments every 5 min. for a maximum total dose of 100 mcg.

Southern Illinois Regional EMS System

JJ-18 FENTANYL CITRATE (continued)

- Pediatric:
 - 1 – 2 mcg/kg, rarely used in the pre-hospital setting.

Special Considerations:

- Pregnancy Category C:
- Fentanyl is a schedule II drug with the potential for abuse.
- Use with caution in the elderly, those with respiratory disorders, seizure disorders, cardiac disorders, or pregnancy.
- Naloxone should be readily available.