



CHARLOTTESVILLE-ALBEMARLE RESCUE SQUAD

Clinical Review and Training

Fentanyl (Sublimaze)

Class: Narcotic Analgesic

Indications

Skill Level: I/P

- Chest pain associated with unstable angina or suspected AMI
- Pain associated with extremity fractures or burns or abdominal pain

Contraindications

- Hypotension
- Head injury
- Respiratory depression
- Hypersensitivity

Mechanism of Action

- Binds to opiate receptors of the brain
- Inhibits ascending pain pathways

Pharmacokinetics

- Onset: Immediate IV
- Peak: 3-5 minutes IV
- Duration: 30-60 minutes
- Half-Life: 2-4 hours

Side Effects

- Hypotension
- Bradycardia
- Respiratory depression
- Muscle rigidity (If pushed too fast)
- Apnea

Dosage

- **Trauma/Burns**
 - Healthy adults: **1.0 mcg/kg SIVP.**
 - Elderly and sick patients: **25-50 mcg.** May repeat in 10-15 minutes.
 - Pediatric dosage: **1.0 mcg/kg SIVP**
- **Abdominal Pain**
 - Healthy adults: **0.5 mcg/kg SIVP.**
 - Elderly and sick patients: **0.25 mcg/kg.** May repeat in 10-15 minutes up to a max of **100 mcg.**
- **Must contact Medical Command if giving more than 100 mcg.**

Supplied

100 mcg/2 mL vials or ampules

Caution: The combination of Fentanyl with Valium or Versed can cause a severe altered level of consciousness as well as respiratory depression.