

HEALTHEAST MEDICAL TRANSPORTATION
MEDICAL OPERATIONS MANUAL

FENTANYL (SUBLIMAZE)

Drug Classification: Narcotic analgesic

BACKGROUND

Pharmacodynamics

This medication is a potent synthetic narcotic agonist analgesic with pharmacologic actions qualitatively similar to those of morphine but whose action is quicker and less prolonged. Onset of 1 minute for IV/IO and 7 to 8 minutes for IM. Duration of 30 to 60 minutes for IV/IO and 1 to 2 hours for IM administration.

Indications

- Pain management, especially of traumatic orthopedic, post-intubation, or suspected cardiac origins.

Contraindications

- Allergy or known hypersensitivity to the medication.
- Hypotension (systolic BP < 90 mmHg in adults).

Cautions

- Use with caution in patients with asthma, COPD, hepatic or renal disease or bradyarrhythmias.
- Be prepared to assist ventilations and to administer the narcotic antagonist **naloxone (Narcan)** if respiratory depression or hypotension occurs.
- May cause skeletal and/or thoracic muscle rigidity if given rapidly.

DOSAGE and ADMINISTRATION

ADULT	PEDIATRICS (less than 60 kg)
<p><u>For acute traumatic orthopedic pain or chest discomfort suspicious for acute coronary syndrome¹</u></p> <p>1. For pain rated at <7: Administer initial dose of 1 mcg/kg IV slowly, titrated to effect.</p> <p>For pain rated at >7: Administer initial dose of 2 mcg/kg IV slowly IN 100mcg increments, titrated to effect.</p> <p>OR</p> <p>For all pain scores: Administer 2 mcg/kg IN, injecting one half the dose in each nostril using 7U Mucosal Atomization Device.</p>	<p><u>For acute traumatic AND non-traumatic pain</u></p> <p>1. Administer 2 mcg/kg IV slowly, titrated to effect.</p> <p>OR</p> <p>Administer 2 mcg/kg IN, injecting one half the dose in each nostril using 7U Mucosal Atomization Device.</p> <p>OR</p> <p>Administer 2 mcg/kg IM.</p> <p>2. Contact Medical Control for doses exceeding 2 mcg/kg.</p>

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ADULT	PEDIATRICS (less than 60 kg)
<p>2. Repeat doses at 0.5 mcg/kg IV/IN/IM every 10-15 minutes to a maximum total dose of 400 mcg.</p> <p>3. Contact Medical Control for doses exceeding 400 mcg.</p>	

ADVERSE REACTIONS/SIDE EFFECTS

- Nausea, vomiting, dizziness, syncope, respiratory depression, apnea, or sedation, hypotension

NOTES

¹ For patients over the age of 65, use half of the typical adult dosage.

REFERENCE GUIDELINE:

1C Pain and Nausea Management