

**CLASS: A**

**PROTOCOL(S) USED IN:** Abdominal Pain, Chest Pain, Pain Management, Endotracheal Intubation RSI

**PHARMACOLOGY AND ACTIONS:**

Fentanyl is a pure opioid analgesic used to manage pain.

**INDICATIONS:**

- A. Pain management
- B. Extremity Fractures
- C. Back and neck injuries when sedation/pain relief is necessary to prevent a patient from moving around and potentially injuring themselves.
- D. Burns
- E. Trauma

**CONTRAINDICATIONS:**

- A. Patients with known intolerance to Fentanyl
- B. Use caution if patient is pregnant, pregnancy risk category C

**SIDE EFFECTS AND NOTES:**

- A. Respiratory depression
- B. Decreased BP; monitor BP before and after administration. Systolic BP must be over 100mmHg
- C. Decreased level of consciousness; watch for respiratory depression.
- D. Decreased heart rate.
- E. Have naloxone available to reverse over administration.
- F. May follow administration with Zofran for nausea.
- G. A dose of 100mcg is approximately equivalent to 10mg of morphine.

**ADULT DOSING:****Pain management:**

**Fentanyl 50-100 micrograms IV/IO/IM/IN.** Repeat with 25-50 micrograms every 3-5 minutes as needed to **max of 200 mcg.**

**Post RSI Pain Management: 0.5-1 mcg/kg IV/IO**

**PEDIATRIC DOSING:**

**1 microgram/kg IV/IO/IM/IN.** May repeat with 0.5 -1 mcg/kg every 3-5 minutes as needed to a maximum of 4 mcg/kg. Do not exceed adult dosing