

**CLASS A: Seizure and Sedation**

**CLASS B: Sympathomimetic OD**

**PROTOCOL(S) USED IN:** Endotracheal Intubation RSI, Seizure, Cardiac Dysrhythmias Brady, Cardiac Dysrhythmias Tachy, Poisoning and Overdoses, Patient Restraint Physical & Chemical

**PHARMACOLOGY AND ACTIONS:**

- A. Sedative/hypnotic benzodiazepine
- B. Generalized CNS depression
- C. Therapeutic effects include short term sedation and postoperative amnesia

**INDICATIONS:**

- A. Status seizure (any seizure that has lasted longer than 2 minutes or two consecutive seizures without regaining consciousness)
- B. Sedation and amnesia during RSI, cardioversion and transcutaneous pacing.
- C. Sympathomimetic Overdoses such as cocaine and methamphetamine.

**CONTRAINDICATIONS:**

- A. Hypersensitivity or cross sensitivity with other benzodiazepines
- B. Acute narrow angle glaucoma
- C. Shock
- D. Comatose patients or those with pre-existing CNS depression
- E. Severe, uncontrolled pain
- F. Pregnancy or lactation

**SIDE EFFECTS AND NOTES:**

- A. Respiratory depression
- B. HA, excess sedation, drowsiness, agitation
- C. Blurred vision
- D. Cardiac arrhythmias
- E. N/V, rashes
- F. Increased risk of hypotension with antihypertensives, acute ingestion of alcohol or nitrates
- G. **Use with extreme caution with opioids due to synergistic effect and risk of respiratory depression/arrest.**

**ADULT DOSING:**

Seizures

**5 mg IM/IN or 2.5 IV/IO.** May repeat PRN. Max dose of 10 mg for seizures lasting longer than 5 minutes.

Pacing/Cardioversion -

**5 mg IM or 2.5 IV/IO/IN**

Chemical restraint -

**2 mg IV/IM/IN.**

Pre-medication for RSI -

**0.1 mg/kg IV/IO** if BP is >100mmHg. Single max dosage of 10 mg.

Sedation after intubation

**0.05-0.1 mg/kg IV/IO** if BP is >100mmHG. Single max dosage of 5 mg.

Sympathomimetic Overdose – **contact OLMC for dosing**

**PEDIATRIC DOSING:**

Seizures -

**0.1 mg/kg IV/IO.** If no IV access, administer **0.2 mg/kg IM/IN** to a maximum initial adult dose. . May repeat to a maximum dose of 5 mg for seizures lasting longer than five minutes.

Pacing -

**0.1 mg/kg IV/IO/IN to max of 2.5 mg or 0.2 mg/kg IM** to max of 5mg.

Pre-medication for RSI -

**0.1 mg/kg IV/IO** not to exceed 2mg

Sedation after intubation with or without paralytics -

**0.1 mg/kg IV/IO** not to exceed 2mg.

Sympathomimetic OD – **contact OLMC.**