

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 cardioversion and transcutaneous pacing and after intubation.
- C. Sympathomimetic Overdoses such as cocaine and methamphetamine.
- D. Agitation and violent behavior not responsive to verbal redirection and de-escalation.

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 (except for status seizure)

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

10 mg IM or 5 mg IV/IO. May repeat PRN. Max dose of 20 mg for seizures lasting longer than 5 minutes.

Pacing/Cardioversion -

5 mg IM or 2.5 IV/IO/IN

Chemical restraint -

2.5 - 10 mg IV/IM/IO. Adhere to Behavioral Severity Index (BSI) algorithm for appropriate dosing.

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 -

Administer **Midazolam 0.2 mg/kg IM** to a maximum initial dose of 10 mg.

Contact OLMC if further doses are needed.

Administer **Midazolam 0.1 mg/kg IV/IO** to a maximum initial dose of 10 mg.

Contact OLMC if further doses are needed.

Pacing -

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

Sedation after intubation -

0.1 mg/kg IV/IO not to exceed 5mg.

Sympathomimetic OD – **contact OLMC.**