

MIDAZOLAM (Versed)

EMSAC OCTOBER 2025

ACTION: Hypnotic, Sedative, Anti-Seizure

- Midazolam is a potent, short-acting benzodiazepine with hypnotic and amnestic effects. It has no effect on pain.

INDICATIONS:

- Premedication before cardioversion, external pacing and other painful procedures.
- Seizures (~~status epilepticus~~).
- Agitated patient who may be a danger to self or others.

CONTRAINDICATIONS:

- Hypersensitivity
- ~~Narrow-angle glaucoma~~
- ~~Shock, with depressed vital signs, unless being used for cardioversion~~
- ~~Alcoholic coma~~

POTENTIAL SIDE EFFECTS:

- ~~Laryngospasm~~
- ~~Bronchospasm~~
- ~~Dyspnea~~
- Hypotension
- Respiratory depression and apnea arrest
- Drowsiness
- Amnesia
- ~~AMS~~
- Bradycardia
- Tachycardia
- ~~PVC's~~
- ~~Nausea~~
- ~~Vomiting~~

ADULT DOSE/ROUTE:

⇒ **Sedation/Agitation:** 5mg IM x1 or 5 mg slow push IV/IO. Maximum total dose 5mg IV/IO

⇒ **Status epilepticus:** 10 mg IM x 1 or intranasally (5mg each nostril) or 10mg slow push IV/IO.

Maximum total dose 10mg.

⇒ ~~Seizure activity that does not meet criteria for status epilepticus: 5 mg IM x1. Should repeat dose X1 IM/IV/IO if seizure not aborted at 5 minutes from symptom onset. Maximum total dose is 10mg.~~

PEDIATRIC DOSE/ROUTE:

⇒ **Sedation/Agitation:** 0.1 mg/kg IM (Max 5mg) x1 or 0.05 mg/kg (Max 5mg) slow push IV/IO. May repeat IV/IO dose in 5 minutes for continued agitation. Maximum total dose is 5 mg IV/IO.

⇒ **Status epilepticus:** 0.2 mg/kg IM x1 (preferred) (Max 10mg) or intranasally (half in each nostril) or 0.2 mg/kg slow push IV/IO. Maximum total dose 10 mg. ~~May repeat IV/IO dose in 5 minutes x1.~~

Maximum total dose is 10 mg IV/IO

⇒ ~~Seizure activity that does not meet criteria for status epilepticus: 0.1mg/kg IM X1 or intranasally (half in each nostril). May repeat dose X1 IV/IO if seizure not aborted at 5 minutes from symptom onset. Maximum total dose is 10mg.~~

NOTES:

- Contact Base Hospital if seizure activity continues after maximum dose is reached and additional doses are required.
- Do not use intranasal route in agitation because the amount of absorption in an actively

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resisting, agitated patients is unknown.

- Effects of midazolam may be potentiated if administered with opiate pain medications. Contact Base Hospital if considering administering both medications.
- Always be prepared to protect airway and ventilate patients who are given benzodiazepines. Continuous monitoring of vital signs before and after administration is required.

Effective: xx/xx/xx
Supersedes: 4/1/25

DRAFT