

Pediatric Neurology Information Sheet Intranasal Midazolam Administration

Drug: Midazolam – intranasal

Trade Name: Versed

Use: Effective treatment for prolonged seizures in children

Class: Benzodiazepine, short acting or immediate

How Supplied: Injection solution: 5mg/ml

How it works: Absorbed quickly into nose tissues and then delivered to the brain

Side effects: Common: Drowsiness, dizziness, fatigue, confusion

Contraindications: hypersensitivity to benzodiazepines, glaucoma

Dosage: calculated based on child's weight 0.2mg/kg

Important Facts:

- Always store the syringe, needle atomizer tip and medication bottle together in an accessible place. Do prepare the dose ahead of time
- Before midazolam is used, be sure you know the correct dose (volume).
- Draw up an extra 0.1ml of Midazolam to make up for the space in the atomizer tip. For example, if the dose of medication is 1.2 ml, draw up 1.3 ml.
- Do not give more than 1 ml per nostril. If the dose is 1.2ml, add 0.1ml for a total of 1.3ml and divide dose in two (give 0.65ml per nostril or 0.7ml one nostril and 0.6ml second nostril)

How to Give:

1. Pull the plunger back to the marker on the syringe is the dose. For example, if the dose is 1.3ml add 0.1ml = 1.4ml, pull the plunger to the 1.4ml mark on the syringe. The syringe will now have 1.4ml air in it.
2. Remove the protective cap on the vial of the Midazolam
3. Connect the syringe (twist) to the needle and puncture the rubber seal of the vial of Midazolam
4. Compress the syringe plunger, injecting the air into the vial

5. Pull the plunger of the syringe back and fill the syringe with midazolam to the prescribed dose. While drawing up the Midazolam, look inside the vial to make sure the tip of the needle is in the medication, otherwise air will be drawn into the syringe)
6. Once the correct dose is in the syringe, remove the needle
7. Attach the atomizer tip to the end of the syringe (twist into place)
8. With one hand on your child forehead (to stop movement of head), place the tip of the atomizer snugly into the nostril aiming slightly upward.
9. Press the plunger to administer the dose of Midazolam. Remember no more than 1 ml per nostril. If dose is greater than 1ml, give half in the nostril and remove syringe from nostril, insert to other nostril and administer the rest of the dose.

Reminders:

- Please follow prescription for when to administer Midazolam, for most children this will be when the child has a seizure greater than 5 minutes
- Please note the time the medication is given
- With the first use of Midazolam, please call 911. If the ambulance arrives and the seizure has stopped and your child is back to baseline (although the child may be drowsy) it is not necessary to go to the hospital unless you are concerned.
- Keep Midazolam in an area out of the reach of children
- Keep Midazolam at room temperature
- If you are travelling, bring Midazolam with you