Intranasal/buccal Midazolam for Seizure Rescue

Compounded Formula Using Parenteral Midazolam

**Dose:** 0.2-0.3 mg/kg, maximum dose of 10 mg

- Use 5 mg/mL parenteral dosage form
- Draw appropriate dose into a syringe
- Optionally: pretreat nasal mucosa with local lidocaine to decrease burning sensation (possible, but not necessary)
- Inject the dose into a single nostril or divide the dose between both nostrils for volumes >0.4 mL.
- Alternatively, the midazolam dose can be dripped into the nostrils, with half of the dose in one nostril and the other half in the other nostril, or sprayed via a syringe between the teeth and cheek to the side of the mouth
- Monitor seizure activity, respirations, heart rate, and sedation.

**References**

Nationwide Children's Hospital. Intranasal Midazolam (Versed®) – Prefilled Syringe. HH-V-239 2/93 Revised 6/162016.


Rectal Diazepam for Seizure Rescue

Compounded Formula Using Parenteral Diazepam

**Dose:** 0.2-0.75 mg/kg, maximum single dose of 10 mg

**Option 1**

- Draw up the appropriate dose into a syringe
- Administer the dose rectally
- Hold cheeks of buttocks together to minimize leakage.
Option 2

- Mix parenteral diazepam with a 50% solution of propylene glycol in water to a concentration of 1 mg/mL.
- Store in glass container. Compounded mixture should be stable for several months.
- Draw up correct dose using a syringe with rubber tube attached.
- Administer the dose rectally using the rubber tube.
- Hold cheeks of buttocks together to minimize leakage.

References


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