

# Intranasal Midazolam Administration *Midazolam 15 mg/3mL Ampoule*

This leaflet illustrates the proper method of ampoule breaking and administering midazolam intranasally from the ampoule.

**Note: Ensure nose is not blocked prior to administration of midazolam**

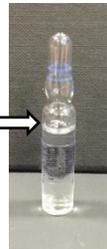
**Step 1:**

- Remove blunt needle cover (**Do not dispose blunt needle cover**)
- Assemble the blunt needle and the syringe as shown in this picture



**Step 2:**

- Gently swirl the ampoule until all the solution is at the bottom as shown in the picture on the right
- The solution should be clear; **do not use if cloudy.**



**Step 3:**

- Hold the bottom part of the ampoule between the thumb and first finger of one hand.
- Ensure that the **spot** on the ampoule is facing **away** from you.
- If possible, cover the top of the ampoule with a tissue or towel before holding the top between the thumb and first finger of your other hand
- Snap the top of the ampoule off by pushing **away** from the side with the **spot** (in the direction of the arrow).



**Step 4:**

- Place the assembled needle and syringe into the ampoule as shown
- Withdraw the prescribed volume of solution
- Hold the syringe upright with nozzle facing up against the light to check that the solution is clear
- Expel trapped air if present. Withdraw midazolam again if volume falls below prescribed
- Cap the blunt needle once the required volume has been withdrawn
- Remove the capped needle



**Step 5:**

- Assemble the atomizer to the syringe as shown



**Step 6:**

- Lie the child on a flat surface
- Place the assembled atomizer and the syringe **firmly** on the nostril
- Press the plunger of the syringe **quickly** to administer about **half** of the volume as atomised spray into a nostril
- Move the device over to the opposite nostril and administer the remaining medication into that nostril



Intranasal midazolam dosing chart			
Volume of midazolam = dose volume + 0.1 ml (atomizer dead space).			
Patient age In months	Weight	Dose	* Volume (5mg/ml)
1 month to 5 months old	6 kg	1.2 mg	0.3 ml
6 month old and older	6.1 to 8 kg	1.6 mg	0.4 ml
	8.1 to 10 kg	2 mg	0.5 ml
	10.1 to 14 kg	3 mg	0.7 ml
	14.1 to 20 kg	4.2 mg	0.9 ml
	20.1 to 28 kg	6 mg	1.3 ml
	28.1 to 35 kg	8.4 mg	1.8 ml
Teenager or adult	35.1 kg or more	10mg	2 ml

\* Volume is based on the calculated dose plus 0.10 ml dead space in the device

For children 1 month to 5months old, intranasal midazolam is dosed at 0.2mg/kg/dose.

For children of 6 month old to adults, intranasal midazolam is dosed at 0.2 – 0.3mg/kg/dose. Max of 10mg/dose.

**Maintenance of accessories:**

- To flush accessories (atomizer, blunt needle and syringe) with water after use
- Dry them thoroughly
- Store them together with the midazolam ampoules in a cool dry place, away from sunlight

**Note:** Accessories are only available for purchase at **outpatient pharmacy during office hours only**