

## Midazolam (Versed®)

### Classification:

Sedative

### Indications:

- Seizure activity
- Sedation prior to synchronized cardioversion
- Agitated delirium

### Administration:

#### *Seizure:*

2-5 mg SIVP at 1mg/min or 5mg IM/IN. Titrate IVP dose to suppress seizure activity. May repeat IV dose every 3-5 minutes PRN. May repeat IM/IN dose one time in five minutes. Maximum total dose 10mg.

#### *Sedation for TCP/cardioversion:*

1-2 mg SIVP at 1mg/min or 2.5mg IM/IN. Titrate IVP dose until sedation occurs for synchronized cardioversion. May repeat IV dose every 5 minutes PRN. May repeat IM/IN dose one time in five minutes. Maximum total dose 10mg.

#### *Agitated delirium:*

2-5 mg SIVP at 1mg/min or 5 mg IM/IN. Titrate IV dose to sedation. May repeat one time PRN to a maximum total dose of 10 mg.

### Pediatric:

#### *Seizure activity:*

0.1mg/kg SIVP at 1mg/min or 0.1mg/kg IM/IN. Titrate IVP dose to suppress seizure activity. May repeat IV/IM/IN dose one time PRN to a maximum total dose of 5 mg.

#### *Sedation prior to synchronized cardioversion:*

0.1mg/kg SIVP at 1mg/min or 0.1mg/kg IM/IN. Titrate IV dose to sedation. May repeat IV/IM/IN dose every 3-5 minutes to a maximum total dose of 5mg.

### Actions/Pharmacology

Short acting benzodiazepine with CNS depressant, muscle relaxant, anticonvulsant, and anterograde amnesia effects. Exact mechanism of action is unclear. It calms the patient, relaxes skeletal muscle, but has no effect on pain receptors.

### Pharmacokinetics

Onset of action is 3-5 min IV; 15 min IM, 6-14 min intranasal. Duration is less than 2 hours IV, 1-6 hours IM.

### Contraindications

Shock

Coma

Acute alcohol intoxication

### Adverse Effects

- Hypotension
- Retrograde amnesia
- Pinpoint pupils
- Respiratory arrest
- Hiccups