

Midazolam (Versed)

McHenry Western Lake County
EMS



Objectives

- During this session we will discuss:
- Class
- Actions
- Indications
- Contraindications
- Dosing/Routes
- How supplied
- Precautions
- Side effects



Class:

- Sedative, hypnotic
- Chemical class: Benzodiazepine, short acting



Actions:

- Short acting benzodiazepine
- CNS depressant
- Sedative/hypnotic
- Sleep induction
- Anxiolysis (↓ anxiety)
- Fast onset (30-60 seconds)
- Duration (15-30 minutes)



Indications:

- Sedation after advanced airway
- Anxiety associated with pacing
- Sedation prior to cardioversion
- Suppress seizure activity
- Severe anxiety/agitation
- Muscle relaxant for long bone fx.
- Serotonin syndrome



Dosing/Routes:

- Procedural sedation: 2 mg initial bolus followed by 2 mg increments every min up to 10mg. May repeat to a max of 20mg
- Cardioversion: 5 mg IVP/IN. May repeat x1 up to 10 mg if needed and SBP >90

Dosing/Routes

- Anxiety or Seizures: 2 mg increments every 30-60 seconds IVP/IO (0.2mg/kg IN) up to 10mg.
- Peds: 0.1mg/kg IVP/IO/IM (0.2mg/kg IN) Max single dose 2 mg. May repeat to 10mg based on size, B/P and response.



How supplied:

- 5mg/5ml vial



Contraindications:

- Hypotension
- Known hypersensitivity
- Glaucoma; Shock
- Pregnancy unless seizing



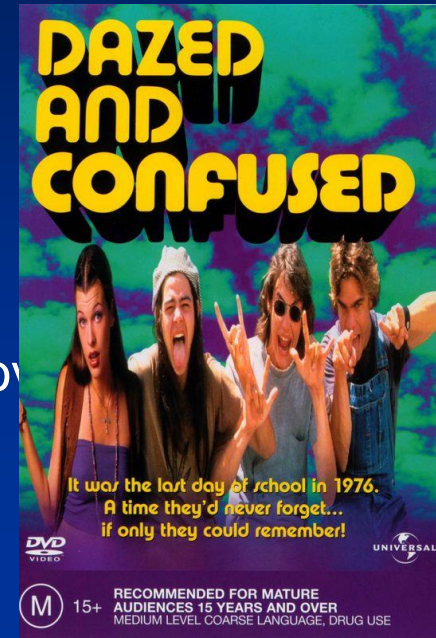
Precautions:

- Individualized based on age, SBP/MAP, weight, physical and clinical status, pathologic conditions, concomitant meds, nature of indication.



Side effects/adverse reactions:

- Drowsiness
- Sedation
- Confusion
- Amnesia
- Ataxia (gross incoordination of muscle movement)
- Respiratory depression
- Respiratory arrest
- Hypotension
- Ref: MWLCEMS Protocol and 2000 Mosby's Nursing Drug Reference Book



Case Study

- You are treating a symptomatic 58 y/o male who is in VT. You are going to Synchronize Cardiovert him and decide to premedicate him with Versed. What would your initial dose be?



Answer

- 5 mg of Versed IVP/IN. May repeat x1 up to 10 mg if needed and SBP >90 (MAP >65)