

**ORANGE COUNTY EMS AGENCY
PARAMEDIC PHARMACOLOGY HANDBOOK**

MEDICATION: MIDAZOLAM (Versed)	ADULT DOSE	PEDIATRIC DOSE	SIDE EFFECTS	PRECAUTIONS/COMMENTS
<p>CLASSIFICATION: Anticonvulsant, short acting benzodiazepine</p> <p>MECHANISM OF ACTION:</p> <ul style="list-style-type: none"> Depresses central nervous system. <p>PHARMACOLOGICAL EFFECTS:</p> <ul style="list-style-type: none"> Produces sedation. Produces amnesia. Halts and prevents seizures. <p>INDICATIONS:</p> <ul style="list-style-type: none"> Active or recurrent seizure activity. Sedation prior to synchronized cardioversion. Psychiatric/behavioral emergencies <p>CONTRAINDICATIONS:</p> <ul style="list-style-type: none"> Respiratory distress or depression. Hypotension. Known allergy to midazolam or benzodiazepines <p>DOSAGE FORM:</p> <ul style="list-style-type: none"> 5 mg/1 mL vial 	<p><u>Seizures:</u></p> <ul style="list-style-type: none"> 5 mg slow IVP, titrated to effect. May repeat once after 3 minutes for recurrent or persistent seizure (maximum 10 mg/dose). 10 mg IN/ IM. May repeat 10 mg IN/IM once after 3 minutes for recurrent or persistent seizure. <p><u>Synchronized Cardioversion:</u></p> <ul style="list-style-type: none"> 4 mg IV for patients \leq 60 years old, do not repeat. 2 mg IV for patients \geq 61 years old, do not repeat. 10 mg IN if IV not established, do not repeat. <p><u>Psych/behavioral emerg:</u></p> <ul style="list-style-type: none"> 10 IVP; maximum dose 10 mg 10 mg IM once if IV cannot be established. 	<p><u>Seizures:</u></p> <ul style="list-style-type: none"> 0.1 mg/kg slow IVP to maximum dose of 5 mg. May repeat once after 3 minutes for recurrent or persistent seizure. 0.2 mg/kg IN/IM if IV cannot be established to maximum dose of 10 mg. May repeat once after 3 minutes for recurrent or persistent seizure. <p><u>Synchronized Cardioversion:</u></p> <ul style="list-style-type: none"> 1 mg slow IVP in patients 13 months - 12 years-old, do not repeat. (Do not administer to infants, 0-12 months). 0.2 mg/kg IN if IV cannot be established to maximum of 10 mg, do not repeat. 	<ul style="list-style-type: none"> Hypotension. Respiratory depression. 	<ul style="list-style-type: none"> Carefully monitor respiratory status during administration. Midazolam may be potentiated when combined with the use of ETOH or other CNS depressants. When used for cardioversion the dosages are aimed at providing an amnestic effect. Midazolam IV should be administered slowly (1 mg/min). Not approved for rectal administration IO route can be utilized if IO established for indications other than seizure, otherwise IN and IM routes are as effective and preferred.

