



# Yolo County Emergency Medical Services Agency

## Protocols

Revised Date: May 1, 2024

<b>SEDATION</b>	
<b>Adult</b>	<b>Pediatric</b>
<b>Indications</b>	
<ul style="list-style-type: none"> <li>Reduces combative behavior that endangers patients or caregivers</li> <li>Use as an adjunct for pain relief during ALS procedures such as cardioversion and/or transcutaneous cardiac pacing</li> <li>Reduces patient anxiety not improved by other calming measures</li> <li>Alleviates claustrophobia associated with CPAP or NRB</li> </ul>	
<b>Contraindications</b>	
<ul style="list-style-type: none"> <li>SBP &lt; 90 mmHg or &lt; normal range for age</li> </ul> <p style="text-align: center; margin-left: 40px;"><i>SBP does not apply for patients requiring TCP or cardioversion</i></p>	
<b>BLS</b>	
Assess vital signs O <sub>2</sub> , titrate SpO <sub>2</sub> to ≥ 94% Assist ventilations as needed	
<b>ALS</b>	
Cardiac Monitor, Waveform EtCO <sub>2</sub> , Consider Vascular Access	
<p><b>Midazolam 2 mg SIVP</b></p> <ul style="list-style-type: none"> <li>Titrate to desired degree of sedation</li> <li>May repeat at 1 – 2 mg increments every 3 minutes</li> <li>Total max dose 6 mg</li> </ul> <p style="text-align: center;"><u>Or</u></p> <p><b>Midazolam 5 mg IM</b></p> <ul style="list-style-type: none"> <li>No repeat</li> </ul> <p style="text-align: center;"><u>Or</u></p> <p><b>Midazolam 10 mg IN</b></p> <ul style="list-style-type: none"> <li>½ dose each nare</li> <li>No repeat</li> </ul>	<p><b>Midazolam 0.1 mg/kg SIVP</b></p> <ul style="list-style-type: none"> <li>Titrate to desired degree of sedation</li> <li>May repeat x 2 every 5 -10 minutes</li> <li>Max single dose 2 mg</li> <li>Total max dose 4 mg</li> </ul> <p style="text-align: center; margin-left: 40px;"><i>*Use a 1 mL syringe for Midazolam administration in pediatric patients</i></p> <p style="text-align: center;"><u>Or</u></p> <p><b>Midazolam 0.1 mg/kg IM</b></p> <ul style="list-style-type: none"> <li>Max dose 4 mg</li> <li>No repeat</li> </ul> <p style="text-align: center;"><u>Or</u></p> <p><b>Midazolam 0.2 mg/kg IN</b></p> <ul style="list-style-type: none"> <li>½ dose each nare</li> <li>Max dose 5 mg</li> <li>No repeat</li> </ul>



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### Consider

- Use caution in the following situations:
  - Nausea/vomiting
  - Suspected drug or alcohol intoxication
  - Head injury
  - Altered Level of Consciousness
  - Multi-system trauma
- Combining Fentanyl and Midazolam can cause significant respiratory depression, hypotension and decreased consciousness (administer lower doses of one or both medications)
- Decrease dose of medication for patients > 65 years old or known respiratory disease

### Direction

- Advise receiving hospital personnel that the patient has been sedated
- Contact Base Hospital for additional doses