CENTRAL CALIFORNIA

EMERGENCY MEDICAL SERVICES

A Division of the Fresno County Department of Public Health

Manual		Policy
	Emergency Medical Services	Number 540.12
	Administrative Policies and Procedures	
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	SEDATION FOR VENTILATOR/AGITATED PATIENTS	
References		Effective
	California Code of Regulations Title 22, Division 9, Chapter 4	06/01/2018

I. PURPOSE

To provide chemical sedation for ventilator dependent and agitated patients.

II. POLICY

Only authorized CCPs will be permitted to utilize sedation without base hospital contact. Midazolam will be used for:

- A. Ventilator dependent patients requiring sedation or restraint due to agitation, restlessness and/or anxiety that is compromising the patient's stability.
- B. Non-intubated agitated patients requiring sedation or restraint due to restlessness or anxiety or anxiety that is compromising the patient's stability or safety of the patient or staff.

III. PROCEDURE

- A. Ventilator/Agitated patients:
 - 1. Continuously monitor oxygen saturation, waveform capnography, ETCO₂, heart rate, blood pressure, and level of consciousness.
 - 2. Orders for the administration of midazolam shall be consistent with Policy 540 Attachment A CCEMSA CCP Transfer Form
 - 3. Midazolam slow IV push is used for all non-intubated patients.
- B. The following parameters shall apply to all patients with pre-existing midazolam infusions:
 - 1. The infusion concentration and regulation of the infusion rate will occur within the parameters as defined by the transferring physician, but may be titrated to the individuals response during transport.
 - 2. In cases of severe respiratory depression, partial airway obstruction (especially when combined with narcotics), hypotension, and excessive sedation the medication infusion will be discontinued and notify the base physician.
 - 3. Maintain Systolic blood pressure greater than 90mmHg

IV. SPECIAL CONSIDERATIONS

A. Assess for sedative effects. Midazolam is 3 – 4 times more potent than diazepam. The half-life of midazolam is < 2 hours.

Approved By		Revision
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- B. Onset of action of Midazolam is usually 2 5 minutes. Wait after each incremental dose to assess effect. A total dose greater than 6 mg is usually not necessary.
- C. Serious cardiorespiratory adverse events have occurred. These include respiratory depression, apnea, respiratory and/or cardiac arrest. Resuscitative equipment should be immediately available.
- D. Hypotension has been noted, particularly with concomitant narcotic administration.
- E. Decrease the dose of midazolam by 50% if the patient is hypovolemic.
- F. Children under age of 6 years old may require relatively larger doses than older children.
- G. Dosage reductions are recommended for patients in CHF, septic shock, renal and/or hepatic dysfunction, low serum albumin, pulmonary insufficiency, COPD, elderly patients, or patients pre-medicated with narcotics and/or CNS depressants.