



# Yolo County Emergency Medical Services Agency

## Protocols

Revised Date: May 1, 2025

ALTERED LEVEL OF CONSCIOUSNESS (ALOC)	
Adult	Pediatric
Indication	
Glasgow Coma Scale (GCS) is < 15 and etiology unclear	
BLS	
Assess vital signs Consider SMR for suspected trauma O <sub>2</sub> , titrate SpO <sub>2</sub> to ≥ 94% Assist ventilations as needed Temperature Suction as needed	
BLS Local Scope	
Blood Glucose Check	
Blood Sugar (BS) < 60 mg/dL or un-measurable	
Glucose Paste 1 tube by mouth (PO)  <u>Or</u>  Commercially prepared Glucose Solution, 1 bottle by mouth (PO) Do not administer if patient is unconscious, lethargic, or unable to drink fluids	
If mental status and respiratory effort are depressed and suspected opioid overdose	
Naloxone (Narcan) 2 mg IN <ul style="list-style-type: none"><li>• ½ dose per nare</li><li>• May repeat x 1</li><li>• Max dose 4 mg</li></ul> <u>Or</u>  Naloxone (Narcan) Preload IN <ul style="list-style-type: none"><li>• OK to give 4 mg dose as packaged</li></ul>	
ALS	
Cardiac Monitor, Waveform EtCO <sub>2</sub> , Vascular Access	



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BS < 60 mg/dL																																		
<div>Dextrose 10% 25 gm in NS 250 mL IV/IO<ul style="list-style-type: none"><li>Infuse wide open</li></ul><div>If no IV/IO</div><div>Glucagon 1 mg IM/IN<ul style="list-style-type: none"><li>No repeat</li></ul></div></div>	<div>Dextrose 10% in NS 250 mL IV (See Infusion Chart)<ul style="list-style-type: none"><li>Infuse wide open</li></ul><div>If no IV/IO</div><div>Glucagon 0.5 mg IM/IN<ul style="list-style-type: none"><li>No repeat</li></ul></div></div> <div><div>Pediatric Dextrose 10% in 250 mL Infusion Chart</div><table><tr><th>AGE</th><th>WEIGHT</th><th>VOLUME D 10% 25 gm</th></tr><tr><td>Preemie</td><td>2 kg</td><td>10 mL</td></tr><tr><td>Newborn</td><td>3 kg</td><td>15 mL</td></tr><tr><td>3 months</td><td>5 kg</td><td>25 mL</td></tr><tr><td>6 months</td><td>7 kg</td><td>35 mL</td></tr><tr><td>1 - 2 years</td><td>11 kg</td><td>55 mL</td></tr><tr><td>3 - 4 years</td><td>15 kg</td><td>75 mL</td></tr><tr><td>5 - 6 years</td><td>19 kg</td><td>95 mL</td></tr><tr><td>7 - 8 years</td><td>24 kg</td><td>120 mL</td></tr><tr><td>9 - 10 years</td><td>31 kg</td><td>155 mL</td></tr><tr><td>11 - 15 years</td><td>40 kg</td><td>200 mL</td></tr></table></div>	AGE	WEIGHT	VOLUME D 10% 25 gm	Preemie	2 kg	10 mL	Newborn	3 kg	15 mL	3 months	5 kg	25 mL	6 months	7 kg	35 mL	1 - 2 years	11 kg	55 mL	3 - 4 years	15 kg	75 mL	5 - 6 years	19 kg	95 mL	7 - 8 years	24 kg	120 mL	9 - 10 years	31 kg	155 mL	11 - 15 years	40 kg	200 mL
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Adult	Pediatric
<b>ALS (cont.)</b>	
<b>If mental status and respiratory effort are depressed and suspected opioid overdose</b>	
<p><b>Naloxone (Narcan) 0.4 mg increments IV/IO</b></p> <ul style="list-style-type: none"><li>titrated to a respiratory rate <math>\geq 12</math> and SpO<sub>2</sub> of 94%</li><li>May repeat to a max of <b>6 mg</b></li></ul> <p><u>If unable to obtain vascular access:</u></p> <p><b>Naloxone (Narcan) 2 mg IN</b></p> <ul style="list-style-type: none"><li>½ dose per nare</li><li>May repeat x 1</li><li>Max dose 4 mg</li></ul> <p><u>Or</u></p> <p><b>Naloxone (Narcan) Preload IN</b></p> <ul style="list-style-type: none"><li>OK to give <b>4 mg</b> dose as packaged</li></ul> <p><u>Following reversal of overdose</u></p> <p><b>See Opioid Withdrawal Protocol</b> for treatment considerations</p>	<p><b>Naloxone (Narcan) 0.1 mg/kg IV/IO/IM</b></p> <ul style="list-style-type: none"><li>May repeat x 2 every 2 - 3 minutes</li><li>Max single dose 2 mg</li></ul> <p><u>Or</u></p> <p><b>Naloxone (Narcan) 0.1 mg/kg IN</b></p> <ul style="list-style-type: none"><li>½ dose per nare</li><li>May repeat x 1</li><li>Max single dose 2 mg</li></ul>
<b>Consider</b>	
<ul style="list-style-type: none"><li>Consider diabetic related complications (hypoglycemia/diabetic ketoacidosis)</li><li>Consider carbon monoxide toxicity</li><li>Consider 12-Lead ECG</li></ul> <p><b>AEIOU-TIPS*</b></p> <ul style="list-style-type: none"><li><b>A</b>lcohol</li><li><b>E</b>pilepsy/<b>E</b>ndocrine/<b>E</b>lectrolytes/<b>E</b>xocrine</li><li><b>I</b>nsulin/<b>I</b>nfection</li><li><b>O</b>verdose/<b>O</b>xygen deprivation</li><li><b>U</b>remia</li><li><b>T</b>rauma/<b>T</b>emperature</li><li><b>P</b>sychois/<b>P</b>orphyrin/<b>P</b>oison</li><li><b>S</b>troke/<b>S</b>hock/<b>S</b>epsis/<b>S</b>pace occupying lesion/<b>S</b>ubarachnoid hemorrhage</li></ul> <p><i>*Refer to appropriate treatment protocol</i></p>	
<b>Direction</b>	
<ul style="list-style-type: none"><li>Contact Base Hospital for additional treatment</li><li>Document COWS Score on all opioid reversals</li></ul>	