

COUNTY OF SAN DIEGO EMERGENCY MEDICAL SERVICES  
 POLICY / PROCEDURE / PROTOCOL

Number S-138  
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SUBJECT: TREATMENT PROTOCOL  
 SHOCK

Date 07/01/2021

**BLS**

**ALS**

<ul style="list-style-type: none"> <li>• O<sub>2</sub> saturation</li> <li>• O<sub>2</sub> and/or ventilate PRN</li> <li>• Control obvious external bleeding</li> <li>• Treat associated injuries</li> <li>• NPO, anticipate vomiting</li> <li>• Remove transdermal patch</li> <li>• Keep patient warm</li> </ul>	<ul style="list-style-type: none"> <li>• Monitor/EKG</li> <li>• IV/IO SO</li> <li>• Capnography SO PRN</li> </ul> <p><b>Non-traumatic, hypovolemic shock*</b></p> <ul style="list-style-type: none"> <li>• 500 mL fluid bolus IV/IO SO, MR to maintain SBP <math>\geq</math>90 mmHg SO</li> </ul> <p>SBP &lt;90 mmHg after second fluid bolus</p> <ul style="list-style-type: none"> <li>• Push-dose epinephrine 1:100,000 (0.01 mg/mL)              1 mL IV/IO BHO, MR q3 min, titrate to SBP <math>\geq</math>90 mmHg BHO</li> </ul> <p><b>Neurogenic shock</b></p> <ul style="list-style-type: none"> <li>• 500 mL fluid bolus IV/IO SO, MR to maintain SBP <math>\geq</math>90 mmHg SO</li> </ul> <p>SBP &lt;90 mmHg after second fluid bolus</p> <ul style="list-style-type: none"> <li>• Push-dose epinephrine 1:100,000 (0.01 mg/mL)              1 mL IV/IO BHO, MR q3 min, titrate to SBP <math>\geq</math>90 mmHg BHO</li> </ul> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p><b>Push-dose epinephrine mixing instructions</b></p> <ol style="list-style-type: none"> <li>1. Remove 1 mL normal saline (NS) from the 10 mL NS syringe</li> <li>2. Add 1 mL of epinephrine 1:10,000 (0.1 mg/mL) to 9 mL NS syringe</li> </ol> <p>The mixture now has 10 mL of epinephrine at 0.01 mg/mL (10 mcg/mL) concentration.</p> </div>
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\*If suspected AAA, fluid boluses to maintain SBP of 80 mmHg. Treat per Abdominal Discomfort / GI / GU (Non-Traumatic) Protocol (S-120).