

<b>Smoke Inhalation</b>	
<b>ADULT</b>	<b>PEDIATRIC</b>
<b>BLS Procedures</b>	
Remove individual from the environment Consider gross decontamination Assess ABCs Assess for trauma and other acute medical conditions Administer high flow oxygen as indicated, or with evidence of smoke inhalation and ALOC or significant headache	
<b>ALS Standing Orders</b>	
Airway support in accordance with Policy 710 – Airway Management  IV/IO access as indicated  If Wheezes present <ul style="list-style-type: none"> <li>• <b>Albuterol</b> <ul style="list-style-type: none"> <li>○ Nebulizer – 5 mg/6 mL                             <ul style="list-style-type: none"> <li>▪ Repeat as needed</li> </ul> </li> </ul> </li> </ul> If smoke inhalation AND unconscious, ALOC, or cardiac arrest: <ul style="list-style-type: none"> <li>• <b>Hydroxocobalamin – If Available</b> <ul style="list-style-type: none"> <li>○ IV/IO – 5 g in 200 mL NS over 15 minutes</li> </ul> </li> </ul>	Airway support in accordance with Policy 710 – Airway Management  IV/IO access as indicated  If Wheezes present <ul style="list-style-type: none"> <li>• <b>Albuterol</b> <ul style="list-style-type: none"> <li>○ <b>Patient ≤ 30 kg</b> <ul style="list-style-type: none"> <li>• Nebulizer – 2.5 mg/3 mL                             <ul style="list-style-type: none"> <li>○ Repeat as needed</li> </ul> </li> </ul> </li> <li>○ <b>Patient &gt; 30 kg</b> <ul style="list-style-type: none"> <li>• Nebulizer – 5 mg/6 mL                             <ul style="list-style-type: none"> <li>○ Repeat as needed</li> </ul> </li> </ul> </li> </ul> </li> </ul> If smoke inhalation AND unconscious, ALOC, or cardiac arrest: <ul style="list-style-type: none"> <li>• <b>Hydroxocobalamin – If Available</b> <ul style="list-style-type: none"> <li>○ IV/IO – 70 mg/kg to a max of 5 g in 200 mL NS over 15 minutes</li> </ul> </li> </ul>
<b>Base Hospital Orders Only</b>	
Continued unconscious/ALOC OR poor response to initial dose <ul style="list-style-type: none"> <li>• <b>Hydroxocobalamin</b> <ul style="list-style-type: none"> <li>○ IV/IO – 5 g in 200 mL NS over 15 to 120 minutes, depending on clinical presentation.</li> </ul> </li> </ul>	Continued unconscious/ALOC OR poor response to initial dose <ul style="list-style-type: none"> <li>• <b>Hydroxocobalamin</b> <ul style="list-style-type: none"> <li>○ IV/IO – 70 mg/kg to a max of 5 g in 200 mL NS over 15 to 120 minutes, depending on clinical presentation.</li> </ul> </li> </ul>
Consult with ED Physician for further treatment measures.	
Additional Information: <ul style="list-style-type: none"> <li>• If monitoring equipment is available, the patient’s carboxyhemoglobin levels should be checked if smoke inhalation is suspected.</li> <li>• Evidence of smoke inhalation includes soot around mouth and/or nares, increased work of breathing, wheezing</li> <li>• If additional IV/IO medications are indicated, establish a second IV or IO. DO NOT administer other medications with hydroxocobalamin through the same IV/IO line.</li> <li>• DO NOT administer hydroxocobalamin if patient has a known allergy to hydroxocobalamin or cyanocobalamin</li> </ul>	

Effective Date: July 1, 2023  
Next Review Date: January 31, 2025

Date Revised: October 8, 2020  
Last Reviewed: January 12, 2023



VCEMS Medical Director