### History
- Industrial or closed space fire
- Facial burns
- Previous CO poisoning
- Propane powered equipment (e.g., power mower, tractor, gas powered equipment)
- Gas home heaters, natural gas stoves, kerosene heaters
- Gas clothes dryer or hot water heater
- Multiple people or pets with similar symptoms

### Signs and Symptoms
- AMS
- Malaise/Fatigue
- Flu-like symptoms
- Weakness
- Headache
- Dizziness
- Blurred vision
- Ataxia
- Seizure
- Nausea/vomiting/cramping
- Chest pain

### Differential
- Diabetic emergency
- Infection/sepsis
- Myocardial infarction
- Anaphylaxis
- Renal failure
- Head injury/trauma
- Ingestion/toxic exposure

### Pearls
- CO is colorless and odorless.
- Pulse oximetry will likely be normal with CO toxicity.
- Hyperbaric oxygen is recommended for those with AMS, seizure, coma, focal deficits, blindness, CO levels > 25% or > 20% if pregnant. John Muir Medical Center – Walnut Creek is the only emergency hyperbaric chamber in the Bay Area. Contact the Base Hospital for direction.
- Consider cyanide poisoning in any patient with CO intoxication.
- For suspected cyanide poisoning, contact the receiving hospital early.
- Consider cyanide poisoning in any patient with AMS.

### Emergency Hyperbaric Chambers
John Muir Medical Center – Walnut Creek

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### Treatment Protocol PR10

<table>
<thead>
<tr>
<th>E</th>
<th>Immediately remove from exposure</th>
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<tbody>
<tr>
<td>P</td>
<td>Airway support</td>
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<td>High flow Oxygen regardless of SpO₂</td>
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<td>Blood glucose analysis</td>
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<td>Cardiac monitor</td>
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<td>CO-oximetry (SpCO), if available</td>
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<td>12-Lead ECG</td>
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<td>Consider EtCO₂ monitoring</td>
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</table>

**Consider, Normal Saline bolus**

*Use length-based tape; refer to dosing guide*
*May repeat x2*

|   | Notify receiving facility. Consider Base Hospital for medical direction |

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**Effective April 2024**