

# Carbon Monoxide / Cyanide



## History

- Smoke inhalation
- Ingestion of cyanide
- Eating large quantity of fruit pits
- Industrial exposure
- Trauma
- Reason: Suicide, criminal, accidental
- Past Medical History
- Time / Duration of exposure

## Signs and Symptoms

- AMS
- Malaise, weakness, flu like illness
- Dyspnea
- GI Symptoms; N/V; cramping
- Dizziness
- Seizures
- Syncope
- Reddened skin
- Chest pain

## Differential

- Diabetic related
- Infection
- MI
- Anaphylaxis
- Renal failure / dialysis problem
- Head injury / trauma
- Co-ingestant or exposures

|          |  |
|----------|--|
|          | Immediately Remove from Exposure   |
|          | Appropriate Airway Protocol(s) 1 - 7<br><b>as indicated</b>                              |
|          | High Flow Oxygen   |
|          | Blood Glucose Analysis Procedure   |
| <b>B</b> | 12 Lead ECG Procedure  |
| <b>A</b> | IV/ IO Procedure   |
| <b>P</b> | Cardiac Monitor / CO Monitor   |
|          | Altered Mental Status Protocol UP 4<br><b>if indicated</b>                               |
|          | Age Appropriate Diabetic Protocol AM 2 / PM 2<br><b>if indicated</b>                     |
|          | Age Appropriate Multiple Trauma Protocol TB 6<br>Head Injury TB 5<br><b>if indicated</b> |
|          | Age Appropriate Hypotension / Shock Protocol AM 5 / PM 3<br><b>if indicated</b>          |

High Suspicion of Cyanide

← YES →

NO

|          |  |
|----------|--|
| <b>P</b> | <p><b>Hydroxocobalamin</b><br/>70 mg / kg IV / IO<br/>(Maximum 5 g)</p> <p><i>If available</i></p> |
|----------|--|

Continue Care  
Continue High Flow Oxygen

Monitor and Reasses



**Notify Destination or Contact Medical Control**



## Pearls

- **Recommended exam: Neuro, Skin, Heart, Lungs, Abdomen, Extremities**
- **Scene safety is priority.**
- Consider CO and Cyanide with any product of combustion
- Normal environmental CO level does not exclude CO poisoning.
- Symptoms present with lower CO levels in pregnancy, children and the elderly.
- Continue high flow oxygen regardless of pulse ox readings.