**Toxidrome**

**Affected Areas**
- All organ systems
  - *Especially:* Central nervous system
  - Heart

**Immediate Symptoms**
- Hyperventilation followed by hypotension
- Loss of consciousness
- Trismus (lockjaw)
- Opisthotonus (neck arching)
- Breathing cessation
- Cardiac arrest

**Ongoing Symptoms**
- With high inhalational dose:
  - Initially: Gasping
  - Within 30-60 seconds: Loss of consciousness and convulsions
  - Within 10 minutes: Respiratory and cardiac arrest.
  - Rapidly fatal if untreated

---

**Examples**

**Chemical Warfare Agents**
- Cyanides (inorganic and organic)*

**Toxic Industrial Chemicals/Toxic Industrial Materials**
- Cyanides (inorganic and organic)*
- Hydrogen sulfide
- Azides
- Rotenone
- Sodium monofluoroacetate

*May be weaponized

**Sensitive Populations**
- No particularly sensitive populations

**Concerns About This Syndrome**
- No special concerns

**Common Treatment Protocols**

Amyl nitrite
- Sodium nitrite
- Sodium thiosulfate
- Hydroxocobalamin
- Airway and breathing support
- Oxygenation

---

Not meant to be a complete care guideline. Please refer to the CHEMM website for more information: [http://chemm.nlm.nih.gov/mmghome.htm](http://chemm.nlm.nih.gov/mmghome.htm)