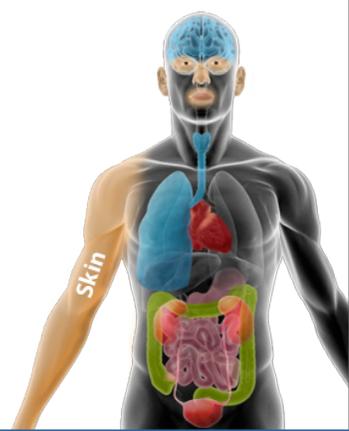


Affected Areas
 Central Nervous System
 Cardiac



Immediate Symptoms
 Altered state of consciousness
 Progression from fatigue and lightheadedness to coma
 Seizures
 Cardiac Signs

Ongoing Symptoms
Inhalation Exposure
Mild to moderate:
 Flushing of the skin
 Fatigue
 Lightheadedness

Severe:
 Nausea
 Anxiety
 Difficulty breathing

Life Threatening:
 Convulsions
 Respiratory distress

Fatal:
 Severe convulsions
 Irreversible respiratory distress

Ingestion Exposure
Mild to moderate:
 Vomiting
 Abdominal pain
 Fatigue
 Lightheadedness

Severe:
 GI irritation
 Sedation
 Confusion
 Mild increased lactate
 Seizures/convulsions

Life Threatening:
 Hypotension
 GI Perforation

Lactic acidosis apnea
 Coma
 Seizure
 Hematemesis

Fatal:
 Refractory hypotension
 High lactate
 Acidemia (metabolic and respiratory)
 Refractory bradycardia

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

Examples
Chemical Warfare Agents
 Cyanide*

Toxic Industrial Chemicals/Toxic Industrial Materials
 Cyanide*
 Sodium azide
 Carbon monoxide
 Aniline
 Arsine
 Nitrogen
 *May be weaponized

Common Treatment Protocols
 Supportive care for all agents and to rule out other diagnoses: Oxygen
 For cyanides: Cyano kits
 For other agents specific antidotes may be available:
 Chelators for arsenic

Sensitive Populations
 No particularly sensitive populations

Concerns About This Syndrome
 No special concerns.