

blood

agents

Hydrogen Cyanide
Hydrogen Sulfide
Carbon Monoxide
Cyanogen Chloride



Hydrogen Cyanide

SYMPTOMS INCLUDE

- Vertigo
- Tachycardia
- Tachypnea
- Cyanosis
- Flu-like symptoms
- Nonspecific neurological symptoms

INDICATIVE LAB TESTS

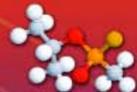
- Increased anion gap
- Metabolic acidosis
- Narrow pO₂ difference between arterial and venous samples



nerve

agents

Sarin
VX
Tabun
Soman



Sarin

SYMPTOMS INCLUDE

- Diarrhea, diaphoresis
- Urination
- Miosis
- Bradycardia, bronchospasm, bronchorrhea
- Emesis
- Lacrimation
- Salivation

INDICATIVE LAB TESTS

- Decreased cholinesterase
- Increased anion gap
- Metabolic acidosis



blister

agents

Sulfur Mustard
Phosgene Oxime
Nitrogen Mustard



Sulfur Mustard

SYMPTOMS INCLUDE

- Itching
- Erythema
- Yellowish blisters
- Flu-like symptoms
- Delayed eye irritation

INDICATIVE LAB TESTS

- Thiodiglycol present in urine



choking

agents

Phosgene
Diphosgene
Chlorine



Phosgene

SYMPTOMS INCLUDE

- Upper respiratory tract irritation
- Rhinitis
- Coughing
- Choking
- Delayed pulmonary edema

INDICATIVE LAB TESTS

- Decreased pO₂
- Decreased pCO₂



metal

agents

Dimethylmercury
Lead • Copper
Mercury • Arsenic
Cadmium



Dimethylmercury

SYMPTOMS INCLUDE

- Cough
- Metallic taste
- CNS effects
- Shortness of breath
- Flu-like symptoms
- Visual disturbances

INDICATIVE LAB TESTS

- Proteinuria
- Blood mercury
- Urine mercury

CHEMICAL TERRORISM

Call Poison Control 24/7 For Treatment Information

1-800-222-1222

Call the SPHL for appropriate specimen collection, packaging and shipping information at 605-773-3368

AFTER REGULAR HOURS CALL SPHL AT 1-800-592-1861



POISON CONTROL CENTER
www.sdpoison.org



SOUTH DAKOTA DEPARTMENT OF HEALTH



SOUTH DAKOTA PUBLIC HEALTH LABORATORY
www.state.sd.us/doh/Lab