

AGENTS OF CHEMICAL TERRORISM



metabolic

agents

Carbon Monoxide
Hydrogen Cyanide
Hydrogen Sulfide
Cyanogen Chloride

SYMPTOMS INCLUDE

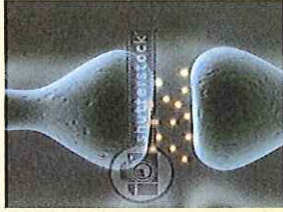
- Tachycardia
- Tachypnea
- Shock

INDICATIVE LAB TESTS

- Acid base assessment
- Narrow pO₂ difference between venous and arterial samples

MDPH DEFINITIVE TESTS

- Blood cyanide levels



nerve

agents

Sarin • Soman
Tabun • VX
Organophosphate pesticides

SYMPTOMS INCLUDE

- Salivation
- Lachrimation
- Urination
- Defecation
- Gastrointestinal distress
- Emesis
- Miosis
- Seizure

INDICATIVE LAB TESTS

- Acid base assessment

MDPH DEFINITIVE TESTS

- Urine nerve agent metabolites



Call Oregon Poison Center 24/7
For treatment information
1-800-222-1222



For more information on
chemical terrorism visit:
www.bt.cdc.gov/chemical



blister

agents

Sulfur Mustard
Nitrogen Mustard
Lewisite

SYMPTOMS INCLUDE

- Erythema
- Burns
- Blisters
- Bone marrow suppression

INDICATIVE LAB TESTS

- Hematological assessment (delayed)

MDPH DEFINITIVE TESTS

- Urine blister agent metabolites



metals

agents

Arsenic • Lead
Cadmium • Thallium
Mercury

SYMPTOMS INCLUDE

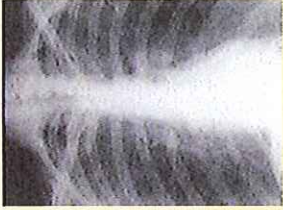
- Neurologic disturbance
- Renal dysfunction
- Metallic taste

INDICATIVE LAB TESTS

- Renal assessment
- Proteinuria

MDPH DEFINITIVE TESTS

- Blood metals panel
- Urine metals panel



pulmonary

agents

Ammonia
Chlorine
Phosgene
Diphosgene

SYMPTOMS INCLUDE

- Upper respiratory irritation
- Cough
- Dyspnea
- Delayed pulmonary edema

INDICATIVE LAB TESTS

- Arterial blood gas
- Chest radiography

MDPH DEFINITIVE TESTS

- Urine ricinine
- Urine ahrine

agents

Ricin
Abrin

SYMPTOMS INCLUDE

- Shock
- Organ failure

INDICATIVE LAB TESTS

- None available



Call the Oregon State Public Health
Laboratory 24/7 for appropriate
specimen collection and handling
information at 503-693-4100.



For detailed specimen collection information visit:
www.healthoregon.org/irn