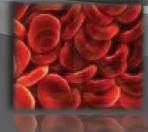
AGENTS OF CHEMICAL TERRORISM



BLOOD

- Carbon Monoxide (CO)
- Hydrogen Cyanide (HCN)
- Hydrogen Sulfide
- Cyanogen Chloride



METAL

- Arsenic
- Lead
- Cadmium
- Thallium
- Mercury



- Sarin (GB)
- Soman (GD)
- Tabum (GA)
- VX
- Organophosphate **Pesticides**



BLISTER

- Sulfur Mustard (HD)
- Nitrogen Mustard
- Lewisite (L)



PULMONARY

- Ammonia
- Chlorine
- Phosgene
- Diphosgene



BIOTOXINS

- Ricin
- Abrin
- Botulinum

SYMPTOMS INCLUDE:

- Tachycardia
- Tachypnea
- Coma
- Seizures

SYMPTOMS INCLUDE:

- Neurologic Symptoms
- **Renal Dysfunction**
- Metallic Taste

SYMPTOMS INCLUDE:

- Lacrimation (tears)
- Muscle Weakness
- Diarrhea
- Dyspnea
- Seizures

- Salivation

- Vomiting
- Miosis (pupil constriction)

SYMPTOMS INCLUDE:

- Erythema (rash)
- Burns
- Blisters
- Bone Marrow Suppression

SYMPTOMS INCLUDE:

- **Upper Respiratory Irritation**
- Cough
- Dyspnea
- Delayed Pulmonary Edema

SYMPTOMS INCLUDE:

- Shock (ricin, abrin)
- Organ Failure (ricin, abrin)
- Paralysis (botulinum)

INDICATIVE LAB TESTS

- Lactic Acid (HCN)
- Acid Base Assessment
- Narrow pO, difference between venous & arterial samples
- Carboxyhemoglobin (COHb)

INDICATIVE LAB TESTS

Renal Assessment

Proteinuria

Blood/Urine Metal Levels

INDICATIVE LAB TESTS

- **Decreased Cholinesterases**
- **Increased Anion Gap**
- Metabolic Acidosis

INDICATIVE LAB TESTS

• Hematological Assessment (delayed reaction)

INDICATIVE LAB TESTS

- Renal Assessment
- Proteinuria

INDICATIVE LAB TESTS

- Urine Abrine, Ricinine
- Serum Botulinum Toxin Level

Nebraska Public Health Laboratory

for specimen collection, packaging and shipping information (402) 559-3590

or After Regular Hours Pager (402) 888-5588

Nebraska Regional Poison Control Center

for symptoms & treatment of chemical agent exposures





