**Chempack**

**History**
- An unexplained multi-casualty incident (MCI)
- Symptoms of nerve agent toxicity or organophosphate poisoning

**Mild Signs & Symptoms**
- Blurred vision, miosis (pinpoint pupils)
- Excessive, unexplained tearing
- Excessive, unexplained rhinorrhea
- Increased salivation / sudden drooling
- Chest tightness or dysnea
- Tremors / muscular twitching throughout the body
- Nausea / vomiting
- Unexplained wheezing, coughing or increased airway secretions
- Acute onset of stomach cramps
- Tachycardia or bradycardia

**Severe Signs & Symptoms**
- Strange or confused behavior
- Severe difficulty breathing or copious amount of secretions from lungs / airway
- Severe muscular twitching and general weakness
- Involuntary urination / defecation
- Convulsions
- Unexplained unconsciousness

**Scene Safety!**
Consider Appropriate PPE or HazMat Decontamination

**Consider Activation of Regional HazMat Team**

**Universal Patient Care Protocol 13**

- **Assess Severity of Symptoms & Determine or Estimate Patient Age**
  - **Severe Symptoms**
  - **Atropine & Pralidoxime**
    - 0-2 yrs: 1 dose of each
    - 2-10 yrs: 2 doses
    - > 10 yrs: 3 doses
  - **Mild Symptoms**
  - **Atropine & Pralidoxime**
    - 0-2 yrs: none
    - 2-10 yrs: none
    - > 10 yrs: 1 dose of each
  - **Severe Symptoms Develop?**
  - **Yes**
    - Notify Receiving Facility or Return to Previous Protocol
  - **No**

**Pearls**
- If more than one dose of a MARK1 Kit or DuoDote are needed, give doses in rapid succession.
- At an MCI event, label the patient’s forehead to indicate if they have received a MARK 1 Kit or DuoDote by writing “Mark 1” or “DuoDote” as appropriate. Indicate the number of doses and the time(s) of administration as well. If using triage tags, document the information on the tag.
- Auto-inject the lateral side of the patient’s thigh, midway between the waist and the knee. Massage the injection site for several seconds.
- The auto-injector may penetrate clothing; be careful to NOT hit buttons, zippers, etc. Make sure the patient’s pockets are empty.
- Push the needle of the used auto-injector against a hard surface to bend the needle back against the auto-injector.
- Safely store and dispose of the used auto-injector (e.g. biohazard / sharps container).
- If the patient is potentially contaminated, contact the receiving facility to prepare them for possible decontamination.
- Each Chempack Kit contains 600mg Pralidoxime (2-PAM) and 2mg Atropine.

**Performance Improvement Suggestions**
- Documentation of symptom severity
- Assessment of scene safety

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