

Appendix H: Differential Diagnosis of Chemical Nerve Agent, Botulinum Toxin and SEB Intoxication following Inhalation Exposure

	<u>Chemical Nerve Agent</u>	<u>Botulinum Toxin</u>	<u>SEB</u>
Time to Symptoms	Minutes	Hours (12-48)	Hours (1-6)
Nervous	Convulsions, Muscle twitching	Progressive paralysis	Headache Muscle aches
Cardiovascular	Slow heart rate	Normal rate	Normal or Rapid Heart Rate
Respiratory	Difficult breathing, airways constriction	Normal, then progressive paralysis	Nonproductive cough Severe cases; chest pain/difficult breathing
Gastrointestinal	Increased motility, pain, diarrhea	Decreased motility	Nausea, vomiting and/or diarrhea
Ocular	Small pupils	Droopy eyelids Large pupils	May see "red eyes" (conjunctival injection)
Salivary	Profuse, watery Saliva	Normal; difficulty swallowing	May be slightly increased quantities of saliva
Death	Minutes	2-3 days	Unlikely
Response to Atropine/2PAM-CI	Yes	No	Atropine may reduce gastrointestinal symptoms