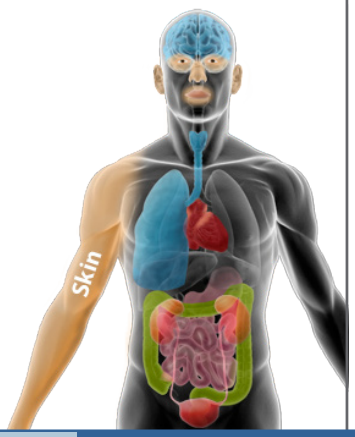
NIH **Toxidrome** // ***Anticholinergic***

Affected Areas

Central Nervous System (CNS)

Autonomic nervous system (parasympathetic portion)



Immediate Symptoms

Blurred vision

Coma

Decreased

Delirium

Dry

Fever

Flushing

Hallucinations

Ileus,

Memory loss,

Mydriasis

Myoclonus

Psychosis

Seizures

Ongoing Symptoms

Initial

Peripheral parasympathetic signs and symptoms ("blind as a bat, . . .")

Then

Confusion, with hallucinations and agitated delirium

Eventually

Stupor and coma

Finally

Recovery of consciousness with paranoia

CHEMM Not meant to be a complete care guideline. Please refer to the CHEMM website for more information: http://chemm.nlm.nih.gov/mmghome.htm

NIH **Cholinergic**

Examples

Chemical Warfare Agents

BZ (3-quinuclidinyl benzilate)*

*May be weaponized

Toxic Industrial Chemicals/Toxic Industrial Materials

BZ (3-quinuclidinyl benzilate)*

Other glycolate anticholinergics (tropane alkaloids)

- Atropine
- Hyoscyamine
- Scopolamine

*May be weaponized

Common Treatment Protocols

Physostigmine

Cooling

Benzodiazepines

General Supportive Care

Sensitive Populations

No particularly sensitive populations

Concerns About This Syndrome

Recognition by providers of the characteristic nature of anticholinergic hallucinations and other central nervous system effects; recognition of central nervous system vs. autonomic nervous system (peripheral) signs and symptoms; possible confusion between cholinergic, anticholinergic, and anticholinesterase

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