**Name the toxidrome 1**
A two year old child presents to the Emergency department with frantic parents because she is unarousable. The child has otherwise been well, with no fever or other recent signs of infection.

PMH/PSH: Unremarkable

Physical Examination
- A 2 year old infant arousable only to deep pain stimulus
- Pulse 120, RR 12, BP 100 (systolic)
- HEENT: Pupils equally round at 2 mm and non-reactive to light
- Ht: RRR S1S2 normal
- Lungs: Scattered rhonchi
- Abdomen: Decreased bowel sounds, soft, non-tender
- Extremities: Atraumatic
- Neuro: Lethargic as above

Pertinent Findings: Unarousable, constricted pupils, hypoactive bowel sounds, possible bradypnea

ANSWER: Opiate toxidrome

**Name the toxidrome 2**
A 31 year old female with a history of a seizure disorder presents after an unknown ingestion. A family member states that she had slurred speech, and was very drowsy before the arrival of paramedics.

Physical Examination
- Temp 96, Pulse 104, RR 14, BP 90/60
- HEENT: Pupils midrange and sluggish
- Ht: RRR S1S2 nl
- Lungs: Clear
- Abdomen: Soft, non-tender
- Skin: Blisters noted over antecubital fossa
- Neuro: Lethargic woman, weak but present gag, symmetric sluggish reflexes present

Pertinent Findings: Drowsy, slurred speech, non-specific pupils, hypothermia, mild tachycardia with mild hypotension

ANSWER: Sedative-hypnotic toxidrome
**Name the toxidrome 3**

A 17 year old male with a history of behavioral problems at school presents to the emergency department after a suicide attempt. He was noted to be hallucinating earlier, and had a seizure prior to arrival.

PMH/PSH: Unremarkable

Physical Examination

- A male who is arousable to loud verbal stimulus. He moves his extremities spontaneously.
- Pulse 120, RR 20, BP 125/80, T 100.5
- HEENT: Pupils equally round at 6 mm bilaterally, non-responsive to light
- Ht: RRR S1S2 tachycardic
- Lungs: Clear
- Abdomen: Markedly decreased bowel sounds, fullness in the suprapubic area
- Skin: Slightly flushed, dry
- Neuro: 3+ reflexes globally (hyperactive)

Pertinent findings: Hallucinations, unarousable, seizure, tachycardia, hyperthermic, dry skin, urinary retention, hypoactive bowel sounds, hyperreflexic.

ANSWER: Anti-cholinergic toxidrome

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**Name the toxidrome 4**

A 3 year old child is rushed into your ED by her parents who state that she drank a white liquid from a mild bottle that was in the garage. The child is lethargic, and appears to have marked respiratory distress.

Physical Examination

- P 140, RR 44, BP 80/60
- HEENT: Pupils equal round at 2 mm, excessive oral secretions noted
- Ht: nl S1S2, tachycardic
- Lungs: Bilateral diffuse wheezes, rhonchi
- Abdomen: Active bowel sounds, diffuse tenderness
- Skin: Moist

Pertinent Findings: Lethargic, respiratory distress, excessive oral secretions, tachycardia, tachypnea, constricted pupils, moist skin

ANSWER: Cholinergic Toxidrome
Name the toxidrome 5
An 18 year old male took a handful of his sister's medication in attempt to kill himself. He vomited three times at home, and had a generalized tonic-clonic seizure. He now appears tremulous and anxious.

Physical Examination
Pulse 135, RR 22, BP 110/70
HEENT: PERRL, EOMI, Pupils at 6 mm
Ht: RRR S1S2 tachycardic
Lungs: clear
Abdomen: Hypoactive bowel sounds
Neuro: CN II-XII intact, hyper-reflexic

Pertinent Findings: Seizure, anxious, tremulous, tachycardia, dilated pupils, hyperreflexic, hypoactive bowel sounds

ANSWER: Sympathomimetic Syndrome