

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

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