

Visual Stimuli in Toxicology

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Case 1

a 35 M found inside his car with a suicide note posted on the dashboard.

A strong Rotten-egg smell comes out of his car.

The coin shown was extracted from his pocket.

Q1: Identify the Toxic Gas.

Q2: What is the mechanism of Toxicity?



Case 2

- 2-year-old female from Chautauqua county presented to the ED with fatigue, vomiting, and skin color change that her mother noted immediately prior to arrival.
- On examination, she had perioral color change as well as extremity and truncal pallor.
- O₂: 85–87% on room air and did not improve with supplemental oxygenation



Q1: What is the cause of this finding?

Q2: What treatment is warranted in this case?

Case 3

18 year old presents combative, mumbling and incoherent after ingesting tea made from wild plants.

-Physical exam reveals agitated male

-VS: pulse 122, R 20, B/P 138/78, 102°F (38.9°C)

-Pupils: dilated

-Skin: red, warm & dry

Q1: What is the Toxidrome?

Q2: What is the name of the Plant?

Q3: What is the Antidote?



Case 4

- 38M presented with this lesion

Q1: What contemporary adulterant might be responsible?

Q2: What drug of abuse is commonly adulterated with this substance?

Q3: What's the treatment?



Case 5

- 75 y/o collapses and has tonic-clonic contractions. Comes in mildly cyanotic and unresponsive with vomit.

PMH: Alzheimer's

V/S: HR 45 BP 90/40 afebrile

pupils 1 mm

HEENT: secretions/vomit

Lungs: with rales and rhonchi

Abd: with increased bowel sounds

Skin: diaphoretic

- **Q1: What is the Toxidrome?**
- **Q2: What medication is responsible for this presentation?**
- **Q3: What is the antidote?**

