Toxicology Case Conference

August 29, 2024

Location: 9th Floor Conference Room/Zoom

Time: 1:30-2:30 PM
Leaders: Rogers/Eggleston

1:30 – 2:30 pm: Toxicology Case Conference
2:30 – 3:30 pm: Journal Club

**Case 1**: A 48-year-old male presents to your emergency department after an intentional ingestion. He reports an argument with his family that caused him to go to his room and ingest an entire month supply of his antihypertensive medications.

* + Vital signs: HR 50, BP 80/55, RR 18, T 37C, FSBS 350
	+ GCS 15, physical exam is unremarkable

Case 1 Objectives:

* + Construct a differential for this presentation
	+ Discuss the mechanism of action of both medications that may present similarly to this

**Case 2:** 54-year-old female presents to the emergency department via EMS with altered mental status. The patient’s family stated that he is a known alcoholic who drank approximately 1 bottle vodka last night. They found her with an open bottle of floor cleaner on the floor next to her.

* + Initial vital signs: HR 100, BP 130/70, RR 25, SpO2 97% RA, FSBS 120
	+ On initial exam, patient is noted to be somnolent, not following any commands, she has rapid and deep respirations
	+ VBG: pH 7.21, CO2 22, lactic acid 6.6, BMP: Na 143, K 4.1, HCO3 6, Cl 105

Case 2 Objectives:

* + Construct a differential for this presentation
	+ How do you interpret the VBG and BMP?
	+ What are the toxic metabolites of the 2 most common substances in this ingestion
	+ What are the major treatments for this ingestion?

Journal Club:
Articles attached
1. Glass KA et al. Investigating a Novel Two Bag NAC Regimen for APAP Toxicity. JMT 2024
2. Moss MJ et al. Assessment of High dose NAC in acute high risk APAP poisoning. Clin Tox 25 July 2024

Zoom Meeting Details:

Please click this URL to start or join. <https://upstate.zoom.us/j/94022814635?pwd=ZXdZOFN3OFMrN1FjWlhOTGRid3YyUT09>

    Or, go to <https://upstate.zoom.us/join> and enter meeting ID: 940 2281 4635 and password: caseconf

Join from dial-in phone line:

    Dial: +1 646 876 9923 or +1 312 626 6799

    Meeting ID: 940 2281 4635

    Participant ID: Shown after joining the meeting

    International numbers available: <https://upstate.zoom.us/u/agSuvcevx>