

Week 2: Amka Oxendine

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chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/<https://www.cdc.gov/vaccines/covid-19/downloads/COVID-19-immunization-schedule-ages-6months-older.pdf>

Prebriefing Question 1: Your patient is a 19-year-old female college student who is brought to the emergency department by Emergency Medical Services (EMS) with a complaint of abdominal pain and nausea. EMS reports an over ingestion of acetaminophen with the intent to commit suicide.

What are your primary concerns for this patient, and what assessments and interventions would be associated with your concerns and why?

I would need to reverse the ingestion of acetaminophen by administering intravenous fluids and anti-nausea medication, activated charcoal, if used within one hour after ingestion, and antidotal therapy, including N-acetylcysteine. Three complications of an acetaminophen overdose are: Liver damage resulting in jaundice. Jaundice is a condition in which eyes and skin turn yellow because the liver cannot process toxins effectively, liver and kidney failure, and pancreatitis. Second, we would need to implement suicide precautions since the patient's intention as to commit suicide.

What medications do you anticipate the health care provider would prescribe while the patient is in the emergency department and why?

I would anticipate giving the patient N-acetylcysteine (NAC). The Action of this drug is a vasodilator. It facilitates the production and action of nitric oxide. In other words, it substitutes sulfhydryl radicals for disulfide bonds in mucus. Adverse Reactions are nausea, vomiting, diarrhea, flatus, and gastroesophageal reflux. Inhaled NAC can cause bacterial pneumonia, a cough, sore throat, and drug-induced pneumonitis.

The medications that may be used in this case include the following. You will want to familiarize yourself with these medications before playing the case.

- acetaminophen (Tylenol)
- acetylcysteine (N-acetylcysteine)
- albuterol (Proventil)
- diphenhydramine (Benadryl)
- fluoxetine (Prozac)
- normal saline (0.9%)

Below are your graded findings

● Correct ✗ Missed ● Incorrect

Case Findings

Suicide precautions
Elevated acetaminophen level
Nausea
Abdominal pain
Pale, warm, diaphoretic skin
Depression

Choice	Yours	Graded
Recent diagnosis of mania.	<input type="checkbox"/>	
Nausea.	<input checked="" type="checkbox"/>	●
Urinalysis positive for leukocytes.	<input type="checkbox"/>	
Abdominal pain.	<input checked="" type="checkbox"/>	●
Tachycardia.	<input type="checkbox"/>	
Pale, warm, diaphoretic skin.	<input checked="" type="checkbox"/>	●
Confusion.	<input type="checkbox"/>	
Prior hospitalization for bipolar disorder.	<input type="checkbox"/>	
Chest pain.	<input type="checkbox"/>	
Activated charcoal used.	<input type="checkbox"/>	
Elevated acetaminophen (APAP) levels.	<input checked="" type="checkbox"/>	●
Concurrent intake of aspirin.	<input type="checkbox"/>	
D5W 150 mL/hour for rehydration.	<input type="checkbox"/>	
Depression.	<input checked="" type="checkbox"/>	●
Fever and chills.	<input type="checkbox"/>	
Respirations 10/minute.	<input type="checkbox"/>	
Suicide precautions.	<input checked="" type="checkbox"/>	●

Below are your graded findings

● Correct ✗ Missed ● Incorrect

Case Findings

Past suicide attempt
Recent stressors
No reports of nausea.
Pruritus at IV site.
No abdominal pain

Choice	Yours	Graded
No abdominal pain.	<input checked="" type="checkbox"/>	●
Engaged in activities in school.	<input type="checkbox"/>	
Memory loss.	<input type="checkbox"/>	
Currently taking no prescription medications.	<input type="checkbox"/>	
Increased energy.	<input type="checkbox"/>	
No reports of nausea.	<input checked="" type="checkbox"/>	●
No treatment for depression in the past.	<input type="checkbox"/>	
Reports vomiting and diarrhea.	<input type="checkbox"/>	
Reports severe right upper quadrant pain.	<input type="checkbox"/>	
Alcohol use daily.	<input type="checkbox"/>	
Past suicide attempt.	<input checked="" type="checkbox"/>	●
Recent stressors.	<input checked="" type="checkbox"/>	●
Feels supported by friends.	<input type="checkbox"/>	
Heart palpitations.	<input type="checkbox"/>	
Pruritus at IV site.	<input checked="" type="checkbox"/>	●

Vitals: