



## COURSE DESCRIPTIONS

### Toxicology/Environmental Disorders

#### *Opiate Withdrawal in the ED - Treat or Street: ACEP Connect*

10/27/2021 | 10:00:00 AM - 10:50:00 AM

*Faculty: Rachel Haroz, MD; Alexis La Pietra, DO; Arian Nachat, MD*

Interactive & provocative dive into management considerations of opiate withdrawal as it is seen in the emergency department. Should these clinical issues be addressed & if so, how? Where & how should these patients be dispositioned? These questions & more will be answered during this session.

- Identify which patients might be candidates for emergency department management of opiate withdrawal.
- Identify different therapeutic options for initial management of patients in opiate withdrawal.
- Discuss how disposition options may affect your clinical approach to these patients.

### Toxicology/Environmental Disorders

#### *Management of the Near-drowning Patient*

10/25/2021 | 8:00:00 AM - 8:20:00 AM

*Faculty: Darryl J. Macias, MD*

Thousands of drownings happen annually in the US and many more present with near-drownings. How can we best take care of these patients?

- What is near drowning?
- Discuss how to manage a near-drowning victim
- Discuss the myth of dry drowning



## COURSE DESCRIPTIONS

### Toxicology/Environmental Disorders

#### *Surviving the Urban Zombie Apocalypse!*

10/25/2021 | 3:30:00 PM - 4:20:00 PM

*Faculty: Darryl J. Macias, MD*

This hands-on workshop will demonstrate how to repurpose common supplies to treat emergencies in remote areas & resource-poor environments. Skills taught will include improvising airway equipment & chest tubes, performing emergent amputations using a Gigli saw, & how to extract additional epinephrine from an Epi-pen. Improvised models will be used to practice skills; participants will then be able to recreate these basic models to teach others in resource-limited settings.

- Demonstrate use of commonly available materials to improvise medical supplies.
- Review emergency medicine procedure techniques using improvised materials.
- Practice making low fidelity models for use in teaching emergency medicine procedures.

### Toxicology/Environmental Disorders

#### *COVID-19 & Poisoning Misadventures*

10/25/2021 | 4:30:00 PM - 4:50:00 PM

*Faculty: Craig Smollin, MD*

During the COVID pandemic, rumors and misinformation have led to many unfortunate poisonings in attempts to prevent COVID. The speaker will discuss the rise of household cleaner poisonings as well as the toxic complications of physician-prescribed medications like hydroxychloroquine.

- Discuss the rise of specific poisonings tied to the COVID pandemic.
- Discuss the management of household cleaner ingestions.
- Discuss the potential complications of hydroxychloroquine.



## COURSE DESCRIPTIONS

# Toxicology/Environmental Disorders

## *Crashing Tox Patient*

10/26/2021 | 9:00:00 AM - 9:50:00 AM

*Faculty: Gillian Beauchamp, MD*

Your patient comes into the ED in critical condition & starts deteriorating. The patient does not respond to the usual therapies. Maybe he took some pills? Maybe he ingested something? What to do next? During this lecture, the speaker will discuss what to consider when your tox patient starts crashing & the usual therapies aren't working.

- Describe the indications for ECMO in the toxicology patient.
- List the indications for intralipid emulsion therapy.
- Discuss when to utilize high dose insulin therapy in the poisoned patient.

# Toxicology/Environmental Disorders

## *SSS: Snake, Scorpion & Spider Envenomations*

10/26/2021 | 9:30:00 AM - 9:50:00 AM

*Faculty: Craig Smollin, MD*

Watch where you step! As more people are exploring the great outdoors during the pandemic, let's review how to manage classic snake, spider, and scorpion envenomation.

- Discuss the management of snake bites
- Discuss the management of scorpion bites
- Discuss the management of poisonous spider bites



## COURSE DESCRIPTIONS

# Toxicology/Environmental Disorders

## *Toxicology Jeopardy*

10/26/2021 | 3:30:00 PM - 4:20:00 PM

*Faculty: Gillian A. Beauchamp, MD*

What does the emergency provider need to know when walking into your next shift? During this fast-paced, information packed session, this panel of experts will each spend a few minutes sharing many pearls from the trenches about hot topics in toxicology. The group will then be available to answer your questions, debate, and/or share additional pointers with the group.

- 1. Stimulant OD 2. Alcohol Intoxication
- 3. Cannabis and Kids 4. Opiate OD 5. Opiate Withdrawal
- 6. Synthetic Drug Management

# Toxicology/Environmental Disorders

## *Depressed & Overdosed*

10/26/2021 | 4:30:00 PM - 4:50:00 PM

*Faculty: Craig Smollin, MD*

25 million adults have been taking antidepressants for at least 2 years. The number of anti-depressant overdose has continued to rise. As an emergency medicine provider, we need to know how to recognize and manage TCA, SSRI and benzodiazepine overdoses.

- Discuss the management of TCA overdose
- Discuss the management of SSRI overdose
- Discuss the management of benzodiazepine overdose



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### Toxicology/Environmental Disorders

#### *Visual Toxicology Workshop*

10/27/2021 | 8:00:00 AM - 8:50:00 AM

*Faculty: Trevonne Thompson, MD, FACEP*

A visual display of cases, including a wide range of products & plants, will be presented. Use your senses to solve these interesting diagnostic & treatment challenges that could present at your own ED. (This workshop is limited to 90 participants).

- Discuss the diagnosis of 10 toxicology cases using various visual, written, & olfactory stimuli.
- Describe treatment for 10 acute poisonings which can be identified by various stimuli.
- Review emergency medicine translational skills practice within a simulated environment.

### Toxicology/Environmental Disorders

#### *Into the Chamber: Emergency Indications for Hyperbaric Medicine*

10/27/2021 | 9:00:00 AM - 9:20:00 AM

*Faculty: Kelly K. Johnson-Arbor, MD, FACEP*

Undersea & hyperbaric medicine is an ABMS recognized subspecialty of EM for a reason. There are currently 15 approved indications for the use of hyperbaric medicine; 10 of which could be considered emergencies. Are you making these appropriate referrals or consults in your practice? The speaker will discuss the underlying physiology, diagnosis and initial management of acute diving disorders along with other emergent conditions requiring hyperbaric treatment.

- Review the underlying pathophysiology, assessment, and management of various diving-related injuries.
- Explain the approved indications for an emergency hyperbaric medicine referral.
- Describe the resources available to help make this referral.



## COURSE DESCRIPTIONS

### Toxicology/Environmental Disorders

#### *Emerging Trends: Cases in Poisoning Management*

10/27/2021 | 12:30:00 PM - 1:20:00 PM

*Faculty: Trevonne Thompson, MD, FACEP*

During this course, miss & near-miss cases in overdose recognition, treatment, & management will be discussed. What are the subtle ECG findings, labs, and/or clinical clues that point you to that potentially lethal unknown overdose? Give the right antidote & have a favorable outcome; give the wrong antidote & things could be disastrous. The speaker will compare & contrast management & treatment strategies for a variety of overdoses, highlighting newer agents as treatment choices.

- Discuss mysterious patient presentations for a variety of overdoses, such as aspirin & tricyclics.
- Describe the subtle, can't miss clues to lethal overdoses, including metabolic & cardiovascular derangements.
- Discuss current management & treatment strategies for a variety of overdose cases.

### Toxicology/Environmental Disorders

#### *Smoke Inhalation, Cyanide Toxicity & Carbon Monoxide Poisoning*

10/27/2021 | 3:30:00 PM - 3:50:00 PM

*Faculty: Gillian A. Beauchamp, MD*

This lecture will review the management of patients who were exposed to smoke inhalation. Including management with hyperbarics.

- Discuss the signs and symptoms of patients with smoke inhalation injury
- Discuss the tests to order to guide treatment for smoke inhalation patients
- Discuss the treatment modalities for those patients with smoke inhalation injury or toxicity.



## COURSE DESCRIPTIONS

### Toxicology/Environmental Disorders

#### *Environmental Emergencies Jeopardy*

10/27/2021 | 4:00:00 PM - 4:20:00 PM

*Faculty: Kelly K. Johnson-Arbor, MD, FACEP*

Come and test your knowledge in treating patients with environmental emergencies. This lecture will cover management of patients with smoke inhalation, submersion injuries, electrical injuries, hypo and hyperthermia.

- Discuss the management of smoke inhalation patients, 2- discuss the management of water submersion patients
- Discuss the management of electrical and lightening injuries,
- Discuss the management of hypothermia patients
- Discuss the management of hyperthermia patients.

### Toxicology/Environmental Disorders

#### *Is There a Doctor On Board? Medical Emergencies at 28,000 Feet*

10/27/2021 | 5:00:00 PM - 5:20:00 PM

*Faculty: Amy Ho, MD*

You are halfway across the Atlantic Ocean when the pilot announces overhead there is a medical emergency and asks if there is a doctor on board. What are tips and pearls from real life scenarios to make you raise your hand without fear?

- Discuss the medical equipment available on domestic and international flights.
- Discuss the role of the physician during an in flight emergency.
- Review real life cases of in flight emergencies and what went well and what didn't.



## COURSE DESCRIPTIONS

### Toxicology/Environmental Disorders

#### *Poisoned & Bizarre! ECGs in Toxicologic Emergencies*

10/28/2021 | 8:00:00 AM - 8:50:00 AM

*Faculty: Todd Phillips, MD*

The speaker will review common ECG findings in patients with toxicologic emergencies. An algorithmic approach will be discussed & learners will develop expertise in interpreting toxicologic ECG's.

- Review common ECG findings in patients with toxicologic emergencies.
- Describe an algorithmic approach to interpreting toxicologic ECG's.
- Develop expertise in interpreting ECG's in patients with toxicologic emergencies.

### Toxicology/Environmental Disorders

#### *Wilderness Medicine: Get Out Safely*

10/28/2021 | 9:00:00 AM - 9:50:00 AM

*Faculty: Kelly K. Johnson-Arbor, MD, FACEP*

What does the emergency provider need to know when providing care in the wilderness? During this session, the speaker will share many pearls from the field about hot topics in wilderness medicine such as cold illnesses, heat illnesses, altitude illness, submersion injuries, & wilderness improvisation. The speaker will then be available to answer your questions & share additional pointers with the group.

- Identify the latest trends in wilderness medicine.
- Discuss key pearls in the management of wilderness emergencies.
- Identify avoidable pitfalls in the management of wilderness emergencies.



## COURSE DESCRIPTIONS

### Toxicology/Environmental Disorders

#### *Critical Update in Toxicology 2021*

10/28/2021 | 10:00:00 AM - 10:50:00 AM

*Faculty: Trevonne Thompson, MD, FACEP*

Having a toxicologist just a phone call away has bought much comfort to physicians across America. But what are the new issues arising? First, There have been several drug shortages affecting critical antidotes. Second, The rise of legal cannabis has led to a higher number of child exposures. Last, a discussion of exposomics: environmental effects on health, life & disease.

- Describe the uses of intravenous lipid emulsion for poisonings.
- Describe pearls & pitfalls in the use of intravenous N-Acetylcysteine therapy.
- Describe pearls & pitfalls in the use of hydroxocobalamin for smoke inhalation victims.

### Toxicology/Environmental Disorders

#### *Harm Reduction - If You Can't Quit, at Least be Safer*

10/28/2021 | 12:30:00 PM - 12:50:00 PM

*Faculty: Amy F. Ho, MD*

Addiction and substance abuse are major contributors to the ED patient population. Often times patients are not ready to quit, but continue to experience poor health outcomes related to their substance abuse. Here we discuss methods of harm reduction education for patients of various addictions.

- Discuss nicotine harm reduction for smokers, this will involve a dive into vaping, patches, appropriate dosing for nicotine replacement therapy, and more.
- Discuss IV drug abuse harm reduction, including safer practices for clean needles, and appropriate cleaning methods and materials for heroin (for example, fresh cotton balls, using clean water not saliva, etc.)
- Discuss general concepts of harm reduction and frame the addiction discussion beyond just abstinence only.