



2012 Scientific Assembly Course Descriptions

Toxicology & Environmental Disorders

Anti-DON'Ts: Cases in Poisoning Management

TU-92 / 1 Hour

Faculty: Timothy B. Erickson, MD, FACEP

Tuesday, October 9 / 9:00 AM - 9:50 AM

During this course, miss and near-miss cases in overdose recognition, treatment, and 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 and have a favorable outcome; give the wrong antidote and things could be disastrous. The speaker will compare and contrast management and treatment strategies for a variety of overdoses, highlighting newer agents as treatment choices.

Coke, Speed, and Bath Salts – The Spectrum of Stimulant Abuse

MO-02 / 1 Hour

Faculty: Timothy B. Erickson, MD, FACEP

Monday, October 8 / 8:00 AM - 8:50 AM

Abuse of stimulants, such as amphetamines and cocaine analogs, is becoming increasingly prevalent. The speaker will discuss the various types of stimulants (including new formulations like bath salts) and the medical complications that practitioners should anticipate, such as cardiac, vascular, metabolic, psychiatric, neurologic, and dental.

Critical Update in Toxicology

TU-104 / 1 Hour

Faculty: Jeffrey R. Suchard, MD, FACEP, FACMT

Tuesday, October 9 / 10:00 AM - 10:50 AM

The field of toxicology is rapidly changing. There are new advances in exposures and overdose such as intravenous lipid emulsion, shortened course intravenous N-Acetylcysteine therapy, and hydroxycobalamin for smoke inhalation victims. In addition, new therapies that may have increasingly recognized complications, such as thrombocytopenia and Crotalidae polyvalent immune fab will be discussed.

Drug Interactions: Combinations That Kill Your Patients

WE-218 / 1 Hour

Faculty: Stephen J. Traub, MD, FACEP

Wednesday, October 10 / 1:30 PM - 2:20 PM

New medications, polypharmacy, alternative drugs, dietary supplements, and over-the-counter medications; how can we keep track of them all? Certain combinations can have dire consequences. The speaker will review the drug interactions that can harm patients, both in the ED and later on. The speaker will also discuss what to look for, what to ask, and how to avoid unfavorable drug combinations.

Expedition and Wilderness Medicine for the Emergency Physician

WE-264 / 1 Hour

Faculty: Alan J. Gianotti, MD, MS

Wednesday, October 10 / 5:00 PM - 6:00 PM

Practicing emergency medicine outside the comforts of the ED can be quite a challenge. Medical emergencies can and do occur on mountain tops, in the jungle, 100 feet under water,

or in the arctic. The speaker will address the challenges of practicing medicine in such austere environments, tricks of the trade, and what to carry with you.

Hot as Hell and Cold as Ice: Temperature Related Illness and Injury

TU-166 / 1 Hour

Faculty: Tracy A. Cushing, MD, FACEP

Tuesday, October 9 / 5:00 PM - 6:00 PM

The spectrum of heat and cold-related illness is a major component of emergency and wilderness medicine. The speaker will dispel many myths and misconceptions and bring the participant up-to-date on the most advanced and comprehensive aspects of environmental heat emergencies and hypothermia. Both field and ED treatment strategies will be discussed.

New Overdoses

TH-285 / 1 Hour

Faculty: Mark B. Mycyk, MD, FACEP

Thursday, October 11 / 9:00 AM - 9:50 AM

With new drugs on the market and new drug overdoses in the ED, how can the emergency physician keep up? The speaker will discuss the latest trends in pharmaceutical toxicities, new forms of old drugs, and the newer pharmaceutical agents available to patients presenting with overdose. Toxicity from these agents and initial approach to treatment of each overdose also will be discussed.

NEW Drugs of Abuse

TH-313 / 1 Hour

Faculty: Mark B. Mycyk, MD, FACEP

Thursday, October 11 / 12:00 PM - 1:00 PM

What's new on the illicit drug scene? Which new drugs of abuse do you need to worry about? With a significant proportion of ED visits related to street drug abuse, the speaker will review the newest street drugs, their clinical effects, and unique aspects to their treatment, based on recent literature. Current trends in drugs of abuse also will be highlighted.

One Pill Can Kill: Pediatric Poisoning

MO-22 / 1 Hour

Faculty: Rose M. Chasm, MD, FACEP

Monday, October 8 / 12:30 PM - 1:20 PM

Several ingestions can result in serious poisonings and are potentially fatal in small doses in toddlers. Early recognition and appropriate management, including supportive care and appropriate decontamination treatment, are essential to preventing poor outcomes.

Rocky Mountain High: AMS, HAPE, and HACE

WE-235 / 1 Hour

Faculty: Alan J. Gianotti, MD, MS

Wednesday, October 10 / 3:00 PM - 3:50 PM

From a recreational ski trip to mountaineering, high altitude results in a unique set of medical problems. The speaker will address pivotal topics such as prevention, treatment, and risk of recurrence.

Stayin Alive: Wilderness Survival Strategies

TU-133 / 1 Hour

Faculty: Alan J. Gianotti, MD, MS

Tuesday, October 9 / 1:30 PM - 2:20 PM

Most wilderness survival skills depend on an individual's resourcefulness and or reliance on time-tested techniques. However, rapid technological advancements have introduced new

techniques (shelter, foraging, and water extraction) and devices (signaling, navigation, and smartphones) that improve a person's chances of surviving in the wilderness or in other hostile environments. The speaker will describe first-hand experiences with these approaches and their true utility in survival situations.

Toxicology Lab

TU-83; TU-109 / 1 Hour

Faculty: Christian A. Tomaszewski, MD, FACEP, FACMT (Moderator); Rais B. Vohra, MD

Tuesday, October 9 / 8:00 AM - 8:50 AM; 10:00 AM - 10:50 AM

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

Toxicology By The Numbers: Formulas, Doses, Toxic Levels, and More

TU-156 / 1 Hour

Faculty: Jeffrey R. Suchard, MD, FACEP, FACMT

Tuesday, October 9 / 4:00 PM - 4:50 PM

What are the most common toxin exposures seen in the ED? Do I need to know how to calculate an osmolal gap? Can I use that nomogram for chronic ingestions? How do I dose that antidote? The speaker will explore essential facts, formulas, levels, and dosing integral to the practice of toxicology.

Virtual Tox: Visual Clues in Poisoned Patients

MO-50 / 1 Hour

Faculty: Christian A. Tomaszewski, MD, FACEP, FACMT

Monday, October 8 / 3:00 PM - 3:50 PM

Many important clues to the diagnosis and treatment of poisoned patients can be visualized easily during physical examination. The presenter will highlight the key aspects of the "toxicological physical exam" by reviewing actual cases and illustrating these important visual clues.

Who Ate the Shrooms?: Poisonous Plants and Fungi

TU-86 / 1 Hour

Faculty: Susanne J. Spano, MD

Tuesday, October 9 / 8:00 AM - 8:50 AM

Another case of food poisoning or is it a potentially lethal plant ingestion? The clock is ticking! The speaker will review cardinal manifestations and red flags associated with poisonous mushroom and plant ingestions, as well as the latest therapeutic strategies.

Wilderness 911: Alpine Search and Rescue

TU-121 / 1 Hour

Faculty: Susanne J. Spano, MD

Tuesday, October 9 / 12:30 PM - 1:20 PM

As greater numbers of thrill seekers have ventured high into the mountains, more physicians and allied health professional have been called upon to respond to extreme alpine medical emergencies. The course will introduce the evolving discipline of alpine search and rescue. The speaker will describe contemporary concepts in alpine search, rescue, evacuation, and medical treatment. The speaker will also review the organizational skills, technical training, and other abilities required to safely respond to such incidents.

Wilderness Medical Improvisation: What Would MacGyver Do?"

MO-67 / 1 Hour

Faculty: Tracy A. Cushing, MD, FACEP

Monday, October 8 / 5:00 PM - 6:00 PM

Learn how to use common supplies to treat emergencies in extreme and remote environments. The speaker will discuss how to improvise in the construction of splints, airway devices, chest tubes, pelvic slings, and transport aids. Improvised wound management, x-rays and traction splints will also be presented. The minimum necessary supplies and how you can use them will be reviewed.

MO = Monday TU = Tuesday WE = Wednesday TH = Thursday