

WS09: Stimulants and the Road Ahead

Date: Tuesday, October 28

Time: 8:00 AM – 12:00 PM

Audience Knowledge: Basic - suitable for individuals new to the field, requires little prior knowledge to the subject matter

Rates:

Membership	Early Bird (June 25 - Sep 10)	Late (Begins Sept 11)	Onsite (Begins Oct 9)
Member	\$150	\$175	\$200
Student	\$150	\$175	\$200
Non-Member	\$200	\$225	\$250

Workshop Chairs:

Anisha Paul

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Vermont Forensic Laboratory

Forensic Chemist

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Orange County Crime Lab

Senior Forensic Scientist

Abstract

The use and abuse of CNS stimulant drugs – such as amphetamines, cocaine, and synthetic cathinones – continues to be problematic across the United States. The interpretation of stimulant-related impairment presents significant challenges, as signs and symptoms can often overlap with drugs from different drug categories, and drug concentrations do not consistently correlate to impairment. This makes it difficult for law enforcement, military, public health officials, and toxicologists to address stimulant drug related offenses effectively.

The SOFT/AAFS Drugs and Driving Committee present an engaging workshop that explores the complex relationship between stimulant drug use, driving behavior, and public safety. The goal of this workshop is to provide a comprehensive understanding on the pharmacology and symptomology of CNS stimulants, the impact of polysubstance use, the presentation of these drugs in emergency departments, the challenges posed by stimulant novel psychoactive substances (NPS) drugs, and how these challenges play a role in courtroom testimony.

This workshop will be divided into four parts:

- **Part 1:** Attendees will learn about CNS stimulant pharmacology and symptomology, including how these drugs affect driving behavior and present in emergency room settings, particularly in relation to hyperactive delirium and serotonin syndrome.

- **Part 2:** The rise of NPS stimulants will be examined, alongside their unique risks and implications for impaired driving cases.
- **Part 3:** The role of Drug Recognition Experts (DREs), focusing on roadside observations and impairment, as well as the challenges associated with court testimony.
- **Part 4:** Through case studies, attendees will navigate real-world scenarios, enhancing their ability to address the complexities of stimulant impairment in medical and legal contexts.

Learning Objectives

1. Attendees will be able to understand the pharmacology and symptoms of CNS Stimulants drugs, the effects of stimulant intoxication, and the impact of polysubstance use.
2. Attendees will become familiar with the different NPS stimulant drugs and understand the implications of NPS in medical and legal settings.
3. Attendees will be able to understand the role of the DRE and the challenges related to testimony.

Speakers

Anisha Paul

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Vermont Forensic Laboratory

Forensic Chemist

Dr. Charles McKay MD, FACMT

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Medical Toxicologist, Connecticut

Associate Clinical Professor, UConn School of Medicine

Dr. Alex Krotulski

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Matthew Myers

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Workshop Agenda

Time	Topic	Speaker
8:00-8:05 AM	Introduction	Chairs
8:05-8:45 AM	Pharmacology and Symptomology	Anisha Paul
8:45-9:30 AM	Presentations in the emergency department	Charles McKay
9:30-10:00 AM	NPS Stimulants	Alex Krotulski
10:00-10:30 AM	Break	
10:30-11:15 AM	The DRE	Matthew Myers
11:15 AM -12:00 PM	Case Studies	Vanessa Meneses