

CANNABIS-IMPAIRED DRIVING HANDOUTS AND WEBINARS



Provided by Jennifer Knudsen, Colorado TSRP,
Colorado District Attorneys' Council

Cannabis and the Eyes (80 minutes) (November 30, 2022) Karl Citek, Professor of Optometry at Pacific University College of Optometry

As cannabis DUI cases are on the rise, it is crucial for both prosecutors and law enforcement to understand the specifics behind cannabis impairment. A hotly discussed issue in this realm is that of the effects of Cannabis on the Eyes. This session will seek to educate both prosecutors and law enforcement on this important area. It will describe and discuss various changes to pupil responses and eye movements that can occur with cannabis impairment, including: mydriasis, rebound dilation, eyelid tremors, lack of convergence, lack of smooth pursuit, and saccadic intrusions.

WEBINAR: <https://attendee.gotowebinar.com/recording/5151957872490982742>

Delta 8 THC: HYPE(er) Or Hoax - The Cannabis Industry's Blinding Smokescreen for DUI Investigations (96 minutes) (August 30, 2022) Chip Walls, Forensic Toxicologist

WEBINAR: <https://attendee.gotowebinar.com/register/7016178730446927885>

Delta-8-THC (55 minutes) (December 2021) Joseph Jones, Laboratory Director, North Louisiana Crime Laboratory

Marketing of Delta-8-THC became more prevalent in 2021. This psychoactive cannabinoid is structurally similar to Delta-9-THC but has limited scientific research. Increased use has caused this to become a critical issue in toxicology. This recording provides an overview of effects on users, toxicology challenges, and implications for drug impaired driving. **This video has been approved for SFST practitioner updates in the State of Colorado **

Click [here](#) to request.

CBD! Now What? (12 minutes) (March 30, 2021) Sarah Urfer, MS, D-ABFT-FT, ChemaTox Consulting Chief Forensic Toxicologist

Since the 2018 Farm Bill ended the prohibition of CBD products, there has been a lot of misinformation regarding CBD. This video is a brief overview of CBD production, psycho-activity, and industry regulations and standards.

Click [here](#) to request.

Cannabis and DUID Investigations (60 minutes) (April 9, 2021) Joseph Jones, System Director at North Louisiana Criminalistics Laboratory

Marijuana is the most common illicit substance consumed by persons who report driving after drug use.¹ Epidemiological research also indicates that cannabis is the most prevalent illicit drug detected in fatally injured drivers and motor vehicle crash victims. These cases are frequent yet overwhelming to a prosecutor when they begin putting together all the elements necessary to build a successful case in the courtroom. In these presentations, follow along with a certified Drug Recognition Expert and a Forensic Toxicologist through an actual DUID investigation involving cannabis. Specific discussion will involve the complexity of building a case from identifying the initial start time of drug use through the forensic specimen collection often occurring at the conclusion of the investigation. The conversation is intentionally casual and intended for new and experienced prosecutors.

WEBINAR: <https://attendee.gotowebinar.com/rt/4058869576118595856>.

Everything You Need to Know About Cannabis (120 minutes) (March 16, 2021) Cpl. Ryan Hutton, Missouri State Highway Patrol

Legalization of marijuana has forced law enforcement to become more familiar with marijuana. However, most law enforcement officers know very little about cannabis. This presentation reviews the different types of cannabis plants and how they are grown and harvested. It also discusses cannabis

concentrates and how they are made and used. Finally, it addresses DWI and marijuana intoxication, along with the toxicology of marijuana. NOTE: For Law Enforcement, this course is POST approved for 2 hours of technical studies.

WEBINAR: <https://attendee.gotowebinar.com/register/7267940493642392079>

Prosecuting the Marijuana Impaired Driving Case (72 minutes) (March 4, 2021) Ms. Jennifer Knudsen, Traffic Safety Resource Prosecutor, Denver, CO

With the legalization of both medicinal and recreational marijuana nationwide, prosecutors now face unique challenges in presenting DUI cases involving marijuana impairment. Colorado was one of the first states to legalize marijuana for recreational use, and its prosecutors have gained great insight into the unique issues such legalization has caused. Jennifer Knudsen, the Colorado TSRP, will provide insight into the growing complexities of prosecuting a marijuana DUI, and she will discuss tips and tricks that will help prosecutors to prepare for prosecuting these difficult cases.

WEBINAR: <https://attendee.gotowebinar.com/register/5140591106246575115> (Enter "0" for LDAA pin)

Toxicology in a Marijuana Impaired Driving Case (1.5 hours) (February 11, 2021)

Mr. Joseph Jones, System Director, North Louisiana Criminalistics Laboratory, Shreveport, LA

Ms. Rebecca Nugent, Chemistry Manager, Louisiana State Police Crime Lab, Baton Rouge, LA

WEBINAR: <https://attendee.gotowebinar.com/register/3977303406013023243>

Investigating the Marijuana Impaired Driver (75 minutes) (February 5, 2021) Mr. Shannon Bryant, Traffic Safety Resource Prosecutor, Reno, NV

This presentation will provide a general overview of DUI Investigations involving marijuana impairment. It will cover the most common reasons for the stop of a marijuana impaired driver, and it will discuss typical driving behavior of someone that is impaired by marijuana. Additionally, it will cover the most common observations of impairment by marijuana, including a discussion of what to expect during SFSTs performed by someone impaired by marijuana.

WEBINAR: <https://attendee.gotowebinar.com/register/4545960924294047243>

Cannabinoid Quantitation in Plants and Beyond: Liquids, Oils, Vape Cartridges, and Edibles. (60 minutes) (October 2020) This webcast can now be viewed on-demand. Dr. Barry K. Logan, PhD, ABF-T, Chief Scientist and Senior Vice President of Forensic Science Initiatives, NMS Labs

This seminar is geared to highlight the challenges of this testing for public crime labs, law enforcement agencies, and attorneys, attendees will learn the impact of the federal Hemp Farming Act of 2018 and evolving state regulations, which has increased demand for cannabinoid quantitation; complexity of developing testing for different matrices to analytically determine the concentration and weight of delta-9-THC in evidentiary items such as botanicals as well as other sample types that are increasingly being used as carriers for cannabinoids; and expanded capabilities offered by NMS Labs to report beyond delta-9-THC to include the potency of other cannabinoid compounds including delta-8-THC, delta-9-THC, THCA and total THC, as well as CBD.

WEBINAR: <https://event.on24.com/wcc/r/2664875/B1095DB3421C82633C97842589907097?partnerref=emailShareFromReg&ms=1603206213589>

Lessons Learned: Crash Investigation Involving DUI – Cannabis (90 minutes) (September 29, 2020) Sgt. Alan Ma, Denver PD DUI/DRE Enforcement Unit

Since the legalization of marijuana, Colorado law enforcement officers and prosecutors have encountered challenges when investigating and prosecuting DUI crash cases involving cannabis

intoxication. To assist prosecutors and officers in DUI-cannabis investigation and prosecution nationwide, this training discusses the following topics:

- Lessons learned: Crash investigation and prosecution involving DUI-cannabis.
- A validated test versus a valid test: Evaluation of Lack of Convergence, Modified Romberg Balance, and Finger to Nose tests.
- Is the SFST manual still important?
- The key difference between the Drug Recognition Expert (DRE) and the Advanced Roadside Impaired Driving Enforcement (ARIDE) programs.

WEBINAR: <https://attendee.gotowebinar.com/register/3001808987817239312>

Is the Odor of Marijuana Probable Cause to Search a Vehicle? (65 minutes) (August 21, 2020) Kenneth Stecker and Kinga Canike, MI TSRPs

This webinar focuses on whether the smell of marijuana coming from a vehicle provides law enforcement with probable cause to conduct a valid search without a warrant.

WEBINAR: <https://attendee.gotowebinar.com/register/5359973358309323021>

HANDOUTS: <https://drive.google.com/drive/folders/1UyU0aZurE3xxXJ1jicGOGAHoGjlmWhor?usp=sharing>

Driving While High: How to Prove a Driver was Under the Influence of Marijuana (60 minutes) (August 14, 2020) Kenneth Stecker and Kinga Canike, MI TSRPs

Marijuana is the most prevalent drug identified in impaired drivers. Marijuana can affect a driver's performance, thereby resulting in crash fatalities on the highway. This webinar focuses on assisting law enforcement and prosecutors in how to successfully investigate and prosecute an OWI-Marijuana case from the highway to the courtroom.

WEBINAR: <https://attendee.gotowebinar.com/register/6872188874594537741>

HANDOUTS: <https://drive.google.com/drive/folders/1UbjsCNijsFEqzoHBt9-9L2qNOVqE589F?usp=sharing>

The Rise and Fall of the Prohibition on Cannabis & Its Impact on Driving Under the Influence Enforcement (114 minutes) (July 14, 2020) Chip Walls, Forensic Toxicologist

This seminar covers a history of cannabis and the current knowledge of the effect of cannabis on human performance and behavior, including its effect on driving; addresses a concern common to law enforcement and prosecutors—the difference between hemp and cannabis; provides law enforcement with the information needed to properly detect impairment in drivers and prosecutors with the information needed to properly charge such cases; covers specifics behind CBD oil and discusses what is the best biological specimen to get during the investigation of impaired drivers; and finally, it provides the latest updates on breath and/or oral fluid testing for THC and discusses whether the standardized field sobriety tests (SFSTs) are up to the job of detecting cannabis-impaired drivers.

WEBINAR: <https://attendee.gotowebinar.com/register/7812011830381510671>

Cannabis/Marijuana 101 (117 minutes) (June 17, 2020) Jon Huber, Seattle PD & Miriam Norman, WA TSRP

Marijuana/Cannabis impairment is a challenging new arena for prosecutors to tackle. Marijuana is legal, but driving under the influence of it is not. Prosecutors and officers need skills to understand what a marijuana impairment DUI looks like. This course is designed to raise a prosecutor's competency to ensure that they understand what a high person looks like, what to expect on the FSTs, and what to look for in the report to see if there is sufficient evidence for filing. This presentation also aids a prosecutor in discussing this evidence with a jury. Helping them understand and convey it will enable them to better

prosecute these DUI cases. This presentation teaches prosecutors about the effects of a class of commonly used and recently regulated drug: cannabis/marijuana. This course is designed to make prosecutors more competent in their review for filing and subsequent prosecution of impaired driving cases where cannabis is involved. This presentation assists prosecutors in bettering their abilities to prosecute and evaluate the strength and weaknesses of these cases. Presenters discuss typical manners of ingestion as well as effects of using marijuana. This presentation discusses how driving is affected by the use of marijuana and best practices in prosecuting a marijuana DUI. It is designed to increase a prosecutor's competency in evaluating and prosecuting a marijuana DUI case. Note: There is some dead air at the beginning of the recording so fast forward for substantive content.

WEBINAR: <https://attendee.gotowebinar.com/register/5381908613289858060> (enter a zero for WASBA Bar No.)

Marijuana Toxicology 101 (50 minutes) (June 2020) Sarah Urfer, MS, D-ABFT-FT, ChemaTox Consulting Chief Forensic Toxicologist

This video provides an overview of the key issues surrounding marijuana toxicology cases including background of the issues, testing, reading reports, expert opinions, and testimony in court. Reference lists are also provided.

Click [here](#) to request.

Jury Selection for the Marijuana DWI (80 minutes) (May 2020) Ashley Schluck, WY TSRP & Deena Ryerson, OR TSRP

Having the right juror and jury in mind is imperative in a marijuana-impaired driving case. The presenters cover the techniques and issues of voir dire in a marijuana-related impaired driving case. They discuss jury selection and give pointers on retaining the best jurors for your case.

WEBINAR: <https://attendee.gotowebinar.com/recording/3000384020514788353>

Cannabis Impaired Driving and the Importance of Tolerance (60 minutes) (April 20, 2020)

Ashley Brooks-Russell, PhD, MPH, is an Assistant Professor and Director of the Program for Injury Prevention, Education and Research Program at the Colorado School of Public Health, University of Colorado Anschutz Medical Campus.

Dr. Brooks-Russell presents on a study that used a driving simulator to assess driving performance before and after observed cannabis use.

WEBINAR: <https://attendee.gotowebinar.com/recording/3000384020514788353>

Marijuana Minutes (63 minutes) (August 2019) Cpl. Ryan Hutton, MHP DRE Agency Coordinator

This video is a basic overview of different aspects of marijuana production and consumption to assist law enforcement on things they may observe in the field.

Click [here](#) to request.

Cannabis 101 Part 1 (120 minutes) (2020) Miriam Norman, WA State TSRP; Jon Huber, Seattle PD Impaired Driving Training Coordinator

WEBINAR: <https://attendee.gotowebinar.com/recording/8904981364901629703>

Cannabis 101 Part 2 (Vaping, Edibles and Oils) (75 minutes) (2020) Miriam Norman, WA State TSRP; Jon Huber, Seattle PD Impaired Driving Training Coordinator

WEBINAR: <https://attendee.gotowebinar.com/recording/4838131945294905089>

Understanding Marijuana Impaired Driving (60 minutes) (June 2019) Jennifer Knudsen, CO TSRP, explains marijuana-impaired driving prosecution strategies.

Click [here](#) to request.

“DU–High” - Taking a Closer Look at Marijuana Impaired Driving (60 minutes) (January 2019) Chuck Hayes, International Association of Chiefs of Police (IACP), Drug Evaluation and Classification Program (DECP) Western Region Project Manager

Marijuana is the most widely used illicit drug. It is also the most frequently detected non-alcohol substance in drivers in the United States and has been shown to impair driving performance and increase crash risk. However, the exact level of Delta-9 tetrahydrocannabinol (THC), the main psychoactive chemical in marijuana, and its relationship to driving impairment is unknown and often debated. In this session, information is presented from two major cannabis and driving studies that identified the most frequent indicators of impairment in cannabis-impaired drivers with varying blood levels of THC. Information is also provided on which cognitive, perceptual, and psychomotor tasks are most often affected by THC. How those various indicators can be used to assist in identifying impairment using the psychophysical tests officers receive in the SFST, Advanced Roadside Impaired Driving Enforcement (ARIDE), and the Drug Recognition Expert (DRE) training is presented.

WEBINAR: <https://attendee.gotowebinar.com/recording/2699223376449314563>

Marijuana Impairment and Driving- A Closer Look (99 minutes) (January 2019) Deena Ryerson, OR TSRP & Ashley Schluck, WY TSRP

Presenters discuss the basic toxicology and pharmacology relevant to impaired driving cases and how to use the research.

WEBINAR: <https://attendee.gotowebinar.com/recording/4177134109335856130>

Unintended Consequences of Colorado Marijuana Grows (62 minutes) (December 2018)

Marijuana trafficking organizations have home-grow operations throughout Colorado. *Detective M. Adam Hughes of Metro Vice, Narcotics and Intelligence* provides an overview of issues arising from residential marijuana grows. He discusses House Bills 17-1220 and 17-1221, local and out-of-state black market issues, grow house indicators, and other criminal activities involved. The information contained herein is sensitive. Please do not distribute to anyone outside our government traffic safety partners.

Click [here](#) to request.

Cannabis and Driving Impairment (60 minutes) (July 2018) Stephanie Weber, Senior Chemist, WI State Lab of Hygiene

This presentation covers the occurrence of when a person drives a motor vehicle when his or her ability to do so is impaired by the cognitive or psychomotor effects of tetrahydrocannabinol (THC) in cannabis. A cannabis-positive driver is someone who drives a motor vehicle with detectable levels of THC in their blood, oral fluid, or urine (depending on jurisdiction). His or her driving may not necessarily be impaired by cannabis, for example, if the THC level reflects cannabis use that occurred in the past but is still detectable. Driving under the influence of cannabis, depending on the jurisdiction, may refer to a driver who has a measured reduction in cognitive or psycho motor skills, more than a defined level of THC in the blood, oral fluid, or urine

WEBINAR: <https://attendee.gotowebinar.com/recording/1087911072813760770>

Marijuana-Impaired Driving: A Report to Congress (36 minutes) (September 2018) Jadyn Rickert of ChemaTox Laboratory with additional practice notes by Han Ng, Esq.

Defense attorneys are cross examining toxicology experts about this report. This session explains how this paper may be quoted out of context and provides ideas of how to respond. Topics include metabolism of THC, effects and impairment, per se law, and more.

Click [here](#) to request.

Impaired Driving Since Legalization (58 minutes) (July 17, 2018) Dr. Darrin Grondel, Responsibility.org (formerly WA HSO)

Dr. Grondel covers statistics from Washington as well practical information about impaired driving for traffic safety professionals in a post-legalization world.

WEBINAR: <https://attendee.gotowebinar.com/recording/2005262211102224129>

Under the Influence of Cannabis- Understanding Highway High (90 minutes) (December 2018) Chuck Matson, DRE Instructor

This instructor covers the basics of marijuana and the effects of consumption and the importance of training, identification, and investigation of impaired drives.

WEBINAR: <https://attendee.gotowebinar.com/recording/2663927952889660417>

The Basics of Prosecuting a Marijuana DWI (65 minutes) (July 2017) DRE Instructor John Wilber, Westminster (CO) PD

Wilber discusses the basics of prosecuting a driver who was under the influence of marijuana. He highlights the similarities between prosecuting an alcohol-impaired driver and a marijuana-impaired driver.

WEBINAR: <https://attendee.gotowebinar.com/register/1717286907136815619>

Not Drunk Driving: A Strategy for Marijuana DUI (82 minutes) (January 2017) Mike Whitney, 17th Judicial Deputy District Attorney

In 2012, Colorado voters were convinced that alcohol is “more dangerous” than marijuana. Now, the industry must continue to normalize marijuana to increase sales. That effort includes convincing potential customers that it is safe to drive after consuming marijuana. This video suggests a strategy to convince jurors to put aside faulty preconceptions about DUI and marijuana. Discussion includes industry terms, how to evaluate a marijuana-related DUI case, jury selection strategies, arguing the indicia of marijuana, cross examination of defense experts, and cross examination of the defendant.

Click [here](#) to request.

Using Research to Prove Your Case: How Law Enforcement and Prosecutors Can Improve DUI (MJ) Enforcement by Applying Current Scientific Research (75 minutes) (April 2016)

Traffic Safety Resource Prosecutors (TSRP) provide a comprehensive overview of current research on marijuana and explain best practices for employing this research in the investigation and prosecution of marijuana-involved driving cases.

Click [here](#) to request.

Using Demonstrative Evidence to Prosecute DUI-Marijuana Cases (82 minutes) (November 2016)

Traffic Safety Resource Prosecutors (TSRP) provide a comprehensive overview of current research on marijuana and explain best practices for employing this research in the investigation and prosecution of marijuana-involved driving cases. DDA Petrash advises officers on additional investigative tactics to help solidify convictions and to rebut common defense in difficult DUI-marijuana cases. Additionally, DDA Petrash shares examples of creative trial techniques, including the use of demonstrative evidence, to rebut common DUI-marijuana defense and to create a more powerful presentation to a jury.

Click [here](#) to request.

Marijuana DUI Basics- Toxicology (25 minutes) (November 2016) Sarah Urfer, MS, D-ABFT-FT

Ms. Urfer talks about the toxicology of marijuana, including how THC moves through the body (depending on whether marijuana is smoked or taken orally), must-know definitions, evidence best practices (based on Colorado courts), how to read toxicology results, analysis 101, differences in sample types (for impaired driving cases), cannabis impairment (signs and symptoms), MJ + alcohol, and common pitfalls. This video can serve as a great introduction and/or refresher for anyone wanting to learn more about marijuana-related impaired driving.

Click [here](#) to request.

DUI: The Principles of Pharmacology and Drug Effects- Cannabinoids (100 minutes) (September 2015)

Sgt. Alan Ma, Denver PD DUI/DRE Enforcement Unit

This session discusses the pharmacology of cannabinoids and how the use of cannabis affects driving. During this training session, we also examine the signs of intoxication related to cannabis and synthetic cannabinoids observed during drug influence evaluations and roadside sobriety tests and how they arise considering the similarities and differences between cannabis and the synthetic cannabinoids. The presentation provides viewers advanced knowledge of the cannabis category and helps them feel more confident about their decisions during the investigation and prosecution of DUI Cannabis cases. CLE credit is *expired*.

Click [here](#) to request.

Investigating and Documenting Marijuana Related DUIs (85 minutes) (2015) Deena Ryerson, OR TSRP &

Sgt. Evan Sether, DRE State Coordinator OSP

Presentation based on marijuana consumption with how it relates to DUIs in terms of impairment and ability of someone to drive a vehicle safely.

WEBINAR: <https://attendee.gotowebinar.com/recording/523997925758438401>