



CANNABIS

FOR VETERINARY PROFESSIONALS



Pharmacology of cannabis

Mechanisms of action for pain, anxiety, cancer and seizures

Endocannabinoid physiology

Cannabis - phytocannabinoids, including CBD and THC

Products, contents and testing

Environmental impact

Dosing questions

20 Hours Online CE

SEE WEBSITE FOR ADDITIONAL REGISTRATION INFORMATION AND COURSE FEES
Presented and directed by Narda G. Robinson, DO, DVM, MS, FAAMA



CURACORE VET

THERE'S MORE TO CANNABIS THAN CBD.

LEARN THE SCIENCE AND COMPLEXITY OF CANNABINOID MEDICINE.

ABOUT THE COURSE

Veterinarians face many challenges when it comes to cannabis. How does it work? Is it safe? What are the safeguards in place for veterinary products? Which regulations restrict veterinarians' ability to prescribe cannabis? How does cannabidiol (CBD) differ from delta-9 tetrahydrocannabinol? Where can I find reliable information online?

This course aims to educate veterinarians, nurses, and technicians about the science and safety of cannabis - recognizing its historical lineage, controversial aspect, and the ability to regulate endogenous analgesic and homeostatic processes. Now that the FDA has approved cannabinoid drugs, the need to know its effects is stronger than ever.

The class is open to veterinary healthcare professionals as well as those from other professions that have a desire to learn more about the pharmacology and safety issues concerning cannabis treatment of veterinary patients. However, prospective enrollees should have a background in college chemistry, neurophysiology, and fundamental pharmacology, as well as an intellectual curiosity that impels a desire to learn both the pros and cons of cannabis.

Those that complete the program will receive a certificate of completion that pertains only to the coursework contained herein. That is, this course does not grant the authority to prescribe any type of cannabis product nor to practice veterinary medicine. Participants should seek and understand local, regional, and national restrictions concerning cannabis that would apply to them and their practice, if applicable.

COURSE CONTENT AND ACCESS

Participants gain access to the online materials for 12 months following enrollment. All modules can be completed at your own pace. Each module may contain videos, reading assignments, and homework. Each participant must finish the program within the 12-month access period in order to receive a certificate of completion. There is no required text. All recommended course materials will be available online.



CONTINUING EDUCATION INFORMATION

This course is RACE/NYSED approved. Please contact your state's licensing agency or comparable regulatory board (if you practice outside of the United States) in order to determine whether this course qualifies for 20 continuing education credits. Those who satisfy all the requirements of the program will receive a certificate of completion.





Everything You Always Wanted to Know about Cannabis - But Didn't Know Whom to Ask (or Trust)

Course Overview: 10 Online, Self-Paced Modules

Cannabis – Vital Commodity or Scourge of Humanity? See how attitudes evolved over time regarding this versatile and highly valued product, from a plant that was once used as legal tender in the United States, to one that became illegal even to possess, risking life imprisonment.

"It's Just a Plant -- Or Is It?" When healthcare professionals recommend herbs, they should learn about the products' safety and effectiveness. Cannabis is just a plant, but one encumbered with hefty regulatory entanglements. Know the pharmacology first; then judge its legitimacy for yourself.

Meet the Endocannabinoid System. After researchers discovered THC, they hunted for reasons why it worked. In so doing, they revealed a treasure trove of endogenous analgesic and auto-regulatory pathways known as the endocannabinoid system, possessing widespread neurophysiologic activity.

Cannabinoids – More than THC and CBD. Cannabis contains over eighty cannabinoids, and pharmacologists are exploring their clinical attributes. Know how the plant produces THC and CBD precursors and how whole plant prescribing compares to single component treatment.

Terpenes and Terpenoids. What gives certain strains, or chemovars, of cannabis their fruity, floral, or earthy scent? Find out the similarity between cannabis, beer, mangoes, and lavender.

Processing Safety. How are products made at home and in industry? What standards apply and how are samples tested? What are the One Health implications of "home cooking" cannabis?

Cannabis Formulations – Pharmaceuticals, Edibles, Concentrates, Raw Plant, Animal Treats. Why and when would a certain type of cannabis preparation work better than another? How do products' reliability and pharmacologic activity compare? Speak knowledgeably with clients about the pros and cons of delivery methods currently in common use.

Claims of Cure – Where's the Research? Legal constraints long hampered rigorous research into the medicinal value of cannabis. Now, as more states ease regulations, scientists in academia and industry are finding answers. Examine the evidence insofar as what is known and what remains a mystery.

Legal Everywhere, or Nowhere? When companies claim that their hemp-based products are legal to ship across the United States, is that true? Can veterinarians prescribe any cannabis products? Have any been approved for animal use? How does the regulation of cannabis in veterinary medicine differ between the United States and Canada?

Dosing Confusion – How Much, for How Long, and for Which Condition? Looking for a quick, easy, and reliable dosing regimen for CBD? Understand why approaching cannabinoid medicine with more than a one-size-fits-most approach will deliver safer, better outcomes.

NOTE: Our curriculum evolves as new information becomes available. The material contained herein is thus subject to change as needed in order to optimize your education.

View our full curriculum of science-based courses at: curacore.org

YOUR NEXT STEP STARTS HERE

REGISTER AND BEGIN LEARNING TODAY.

curacore.org/vet/courses/botanical-medicine/

ENDOCANNABINOIDS, PLANT-BASED CANNABINOIDS, TERPENES, and MORE.



Narda G. Robinson, DO, DVM, MS, FAAMA

Dr. Narda Robinson, a leading authority on scientific integrative medicine from a One Health perspective, is also one of the first veterinarians to study cannabis within a university setting. She is a veterinarian and osteopathic physician and the Founder and CEO of CuraCore VET. Dr. Robinson served on the faculty of the Colorado State University College of Veterinary Medicine & Biomedical Sciences for nearly 20 years, focusing her teaching and research on the scientific basis of integrative medicine.



In 2015, she was invited by the President of CSU, Dr. Tony Frank, to explore the research potential of cannabis. She then participated on a university-wide committee that, in conjunction with the University of Colorado, helped to lay the groundwork for academic study of cannabis. She co-authored a seminal survey on consumers' perceptions of the value of hemp products for dogs. The results from this study helped to stimulate and pave the way for clinical research on cannabis at CSU. Dr. Robinson currently teaches online and onsite courses for both veterinarians and physicians on cannabinoid medicine. She encourages careful scrutiny and critical inquiry insofar as these popular plant products relate to medical treatment and lawful practice.

Dr. Robinson holds a Bachelor of Arts (AB) degree from Harvard/Radcliffe, a doctorate in osteopathic medicine (DO) from the Texas College of Osteopathic Medicine, and a doctorate in veterinary medicine (DVM) and a master's degree in biomedical sciences (MS) from the Colorado State University College of Veterinary Medicine and Biomedical Sciences. She is a fellow of the American Academy of Medical Acupuncture and serves on the American Board of Medical Acupuncture, the board-certifying organization for physician medical acupuncturists, and the American Academy of Medical Acupuncture.

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