



MEMORANDUM

DATE	January 10, 2022
TO	Veterinary Medical Board (Board)
FROM	Richard Sullivan, DVM, Chair, MDC
SUBJECT	Agenda Item 5B. MDC 2022 Assignments

Below is a list of MDC assignments that have already been delegated to the MDC or may be delegated during the January 2022 Veterinary Medical Board (Board) meeting. Items will continue to be added as the Board delegates additional assignments to the MDC.

RVT Job Tasks will be discussed during Agenda Item 10C.

The Board's Executive Officer (EO) received a request from former MDC Member, Jeff Pollard, DVM to consider updating the Cannabis Discussion Guidelines to reflect the present use and current legislation regarding cannabis products (attached). If the Board agrees with this request, the MDC can begin updating the guidelines in April 2022.

The EO would also like the MDC to assist in reviewing the VACSP program. If the Board agrees, it can begin the discussion in July 2022. In addition, a Board member requested the Board (via the MDC) evaluate holistic veterinary medicine. The MDC also anticipates needing to create Cannabis Recommendation Guidelines if Assembly Bill [384](#) (Kalra, 2021) Cannabis and cannabis products: animals: veterinary medicine is enacted. The MDC anticipates being able to begin tackling the latter two topics in October 2022.

MDC Assignments	Estimated Meeting Schedule	Subcommittee Members
Complaint Audit Subcommittee	Reoccurring	Dr. Bradbury, Dr. Sequoia
RVT Educational Programs	April, July 2022	Ms. Shufelt, Ms. Loredo
RVT Job Tasks (<i>potential</i>)	April, July 2022	
Cannabis Discussion Guidelines Update (<i>potential</i>)	April 2022	
Community Animal Blood Banking Guidance	July, October 2022	
Veterinary Statutes/Regulations Webinar	July, October 2022	Dr. Bradbury, Ms. Sperber
VACSP Program Review (<i>potential</i>)	July, October 2022	
Holistic Veterinary Medicine (<i>potential</i>)	October 2022	
Cannabis Recommendation Guidelines (<i>potential</i>)	October 2022	
Inspection Subcommittee	On hold pending process improvement data	Ms. Loredo, Dr. Sequoia

January 03, 2022

Executive Officer
California Veterinary Medical Board
1747 N. Market Blvd Suite 230
Sacramento, CA 95834

Dear Ms. Sieferman,

As past Chair of the California Veterinary Medical Board's Multidisciplinary Advisory Committee (MDC), I helped formulate cannabis use guidelines for veterinarians based on the legislation, AB 2215. These guidelines, published in January 2020, need to be updated to reflect the present use and current legislation regarding cannabis products.

TIMELINE of US & CA Legislation: (see TVB article)

Jun 2018 US FDA approved Epidiolex, a cannabis derived drug containing CBD

Sep 2018 CA AB 2215 passed

Oct 2018 CVMB assigned cannabis guidelines to MDC

Dec 2018 US Agriculture Improvement Act passed (aka, Farm Bill¹)

Jan 2019 MDC/VMB meetings at UC-Davis, first public discussions

Sep 2019 CA SB 627 failed

Jan 2020 Cannabis guidelines posted on VMB website

Aug 2020 CA AB384 failed

May 2021 NV AB 101 passed

Oct 2021 CA AB 45 passed

Pending US legislation: HR 841², S 1698³

(Note: sponsor of HR 841 is a DVM)

CA AB 45, signed by Governor Newsom October 6, 2021, permits the inclusion of hemp and cannabinoids in food, beverages, dietary supplements, cosmetics, and pet food. AB 45 has testing, labeling, and licensing requirements. It includes a "truth in advertising"⁴ component. It amends the Adult Use of Marijuana Act (AUMA⁵) by changing the definition of industrial hemp to include cannabis plants with less than 0.3% THC. This legislation provides a unique opportunity for consumers and veterinarians to utilize hemp-derived cannabis products in a safer and more effective manner (see CA AB 45).

In Nevada, veterinarians can now talk about cannabis products containing less than 0.3% THC with pet owners, explain which products are appropriate, offer recommendations and dosing advice, and even administer the products (see NV AB 101).

Nationally, 36 U.S. states and four territories have legalized cannabis as medicine for people. 18 states, 4 territories and the District of Columbia allow general use of cannabis by adults.

Plumb's, the most widely utilized veterinary formulary, now has a drug monograph for CBD. Like its other drug listings, it includes prescriber highlights, uses/indications, pharmacology, pharmacokinetics, contraindications/precautions, adverse effects, reproductive/nursing safety, overdose/toxicity, and drug interaction information (see attached drug monograph).

As a practicing veterinarian, I regularly field questions from consumers regarding hemp-based CBD products which are widely available over-the-counter. Consumers are desperate for information on how to use cannabis to help their pets. No profession is more qualified to provide medical guidance regarding the treatment of animals than veterinarians. Yet, veterinarians have been hesitant to discuss cannabis with consumers for fear of state board disciplinary action. The result of restricting veterinarians from making product and dosing recommendations is that the consumer is constrained to seek medical advice from pet store employees and bud tenders at the local dispensary whose primary motivation is not necessarily the health and safety of our animal patients.

Every day veterinarians dispense non-FDA approved supplements such as glucosamine and SAME without any interference from veterinary state boards. Medical cannabis should be viewed no differently than other nutritional or herbal supplements. When we veterinarians dispense a supplement, we have more assurance our patient is receiving a high-quality product. Dispensing hemp-based CBD products from veterinary offices is a safety measure to protect animals.

More and more studies continue to demonstrate that hemp-based CBD products are both effective and have wide margins of safety. Within the last 3 years there have been over 20 veterinary cannabis specific publications on both pharmacokinetic/safety and clinical research.⁶ Prior to legislation like CA AB 45, product labeling requirements have been woefully inadequate (see Vet Med: Research - Wakshlag et. al. paper).

The Veterinary Cannabis Society (VCS) is the first U.S. non-profit, 501(c)(3) organization focused on raising awareness of cannabis as a medicine for animals. It was established in 2020 with a team of dedicated veterinarians and cannabis industry leaders who identified a glaring gap in education around the safe and appropriate use of cannabis for treating animals. One of its primary goals is to provide veterinarians better guidance in their discussion and recommendations to consumers about cannabis products. Educational resources such as critically reviewed articles, a curated research library, podcasts, videos, and presentations are made available to VCS members. VCS has been working with the American Association of Veterinary State Boards (AAVSB) to provide guidance to the veterinary profession (see May 02, 2021, letter).

On behalf of VCS and practicing veterinarians in California and elsewhere, I request the California Veterinary Medical Board revisit and update its cannabis guidelines to specifically allow veterinarians to recommend and administer hemp-derived products (on par with NV veterinarians), considering the many advances in research and the current legislative landscape.

Sincerely,



Jeff Pollard, DVM
Diplomate, ABVP (Canine/Feline)
Advocacy Committee, Veterinary Cannabis Society

PS See the following references attached:

TVB - Cushing et. al.

CA AB 45

NV AB 101 - VIN News article

Plumbs - Cannabidiol (Epidiolex)

AHVMA - Hazzah et. al.

Vet Med: Research - Wakshlag et. al.

AAVSB Policy Letter

¹2018 Farm Bill provided a carve-out for hemp, defined as cannabis plants and plant parts containing no more than 0.3% THC.

²HR 841

Rep. Kurt Schrader on 02/04/2021 introduced a bill called H.R.841 – Hemp and Hemp Derived CBD Consumer Protection and Market Stabilization Act to make hemp, cannabidiol derived from hemp, and any other ingredient derived from hemp lawful for use under the Federal Food, Drug, and Cosmetic Act as a dietary ingredient in a dietary supplement, and for other purposes.

³S 1698

Sen. Ron Wyden on 05/19/2021 introduced a bill called S. 1698 - Hemp Access and Consumer Safety Act to allow for hemp-derived cannabidiol and hemp-derived cannabidiol containing substances in dietary supplements and food.

⁴“truth in advertising”

From CA AB 45: prohibit a manufacturer, distributor, or seller of an industrial hemp product from including on the label, or publishing or disseminating in advertising or marketing, a health-related statement, as defined, that is untrue...

⁵Control, Regulate and Tax Adult Use of Marijuana Act (AUMA), added by Proposition 64 at the November 8, 2016, statewide general election, regulates the cultivation,

distribution, transport, storage, manufacturing, testing, processing, sale, and use of marijuana for nonmedical purposes by people 21 years of age and older.

⁶List of Veterinary specific cannabis studies:

Clinical Studies:

1. Gamble, L. et al. Pharmacokinetics, Safety, and Clinical Efficacy of Cannabidiol Treatment in Osteoarthritic Dogs. *Frontiers in Veterinary Science*. 2018
2. Kogan et al. The Use of Cannabidiol-Rich Hemp Oil Extract to Treat Canine Osteoarthritis-Related Pain: A Pilot Study. *AHVMA*. 2020
3. Verrico, et al. A randomized, double-blind, placebo-controlled study of daily cannabidiol for the treatment of canine osteoarthritis pain. *PAIN*. 2020
4. Wallace JE et al. Motivations and expectations for using cannabis products to treat pain in humans and dogs: a mixed methods study. *J Cannabis Res*. 2020 Oct 14;2(1):36.
5. Mejia S et al. Evaluation of the Effect of Cannabidiol on Naturally Occurring Osteoarthritis-Associated Pain: A Pilot Study in Dogs. *J Am Anim Hosp Assoc*. 2021 Mar 1;57(2):81-90.
6. McGrath S et al. Randomized blinded controlled clinical trial to assess the effect of oral cannabidiol administration in addition to conventional antiepileptic treatment on seizure frequency in dogs with intractable idiopathic epilepsy. *JAVMA*. 2019
7. Morris EM et al. The Impact of Feeding Cannabidiol (CBD) Containing Treats on Canine Response to a Noise-Induced Fear Response Test. *Front Vet Sci*. 2020; 7:569565.
8. Corsetti, S., et al. Cannabis sativa L. may reduce aggressive behaviour towards humans in shelter dogs. *Sci Rep* 11, 2773 (2021)
9. Morris EM et al. Alteration of the Canine Metabolome After a 3-Week Supplementation of Cannabidiol (CBD) Containing Treats: An Exploratory Study of Healthy Animals. *Front Vet Sci*. 2021 Jul 16; 8:685606.

Safety and PK/PD Studies:

1. Bartner LR et al. Pharmacokinetics of cannabidiol administered by 3 delivery methods at 2 different dosages to healthy dogs. *Can J Vet Res*. 2018;82(3):178-183.
2. McGrath S et al. A Report of Adverse Effects Associated with the Administration of Cannabidiol in Healthy Dogs, *AHVMA J*. 2018; 52, 34-38.
3. Deabold KA, et al. Single-Dose Pharmacokinetics and Preliminary Safety Assessment with Use of CBD-Rich Hemp Nutraceutical in Healthy Dogs and Cats. *Animals (Basel)*. 2019;9(10):832.
4. Gamble LJ, et al. Pharmacokinetics, Safety, and Clinical Efficacy of Cannabidiol Treatment in Osteoarthritic Dogs. *Front Vet Sci*. 2018; 23; 5:165.

5. Vaughn D, et al. Preliminary Investigation of the Safety of Escalating Cannabinoid Doses in Healthy Dogs. *Front Vet Sci.* 2020; 7:51.
6. Lebkowska-Wieruszewska B et al. Pharmacokinetics of Bedrocan®, a cannabis oil extract, in fasting and fed dogs: An explorative study. *Res Vet Sci.* 2019; 123:26-28.
7. Fernández-Trapero et al. Pharmacokinetics of Sativex® in Dogs: Towards a Potential Cannabinoid-Based Therapy for Canine Disorders. *Biomolecules.* 2020 Feb 11;10(2):279.
8. Wakshlag JJ, et al. Pharmacokinetics of Cannabidiol, Cannabidiolic Acid, Δ 9-Tetrahydrocannabinol, Tetrahydrocannabinolic Acid 50 and Related Metabolites in Canine Serum After Dosing With Three Oral Forms of Hemp Extract. *Front Vet Sci.* 2020; 2020; 7:5.
9. Kulpa JE, et al. Safety and tolerability of escalating cannabinoid doses in healthy cats. *J Feline Med Surg.* 2021 Mar 26:1098612X211004215.
10. Wakshlag JJ et al. Pharmacokinetics of Cannabidiol, Cannabidiolic Acid, Δ 9-Tetrahydrocannabinol, Tetrahydrocannabinolic Acid and Related Metabolites in Canine Serum After Dosing With Three Oral Forms of Hemp Extract. *Front Vet Sci.* 2020 Sep 4; 7:505.
Hannon et al. Serum cannabidiol, tetrahydrocannabinol (THC), and their native acid derivatives after transdermal application of a low-THC Cannabis sativa extract in beagles. *Journal of Veterinary Pharmacology and Therapeutics.* 2020. 43, 508-511.
11. Chicoine et al. Pharmacokinetic and Safety Evaluation of Various Oral Doses of a Novel 1:20 THC:CBD Cannabis Herbal Extract in Dogs. *Front Vet Sci.* 2020 Sep 29; 7:583404.