

Supplementary Table (S1).

The demographic and medications data

Dog	Breed	Sex		Age		Body weight (Kg)		Seizure type	AEDs administration						
(Number)		Sex	Status	At onset	At study	Week-0	Week-12		Phenobarbital	Zonisamide	Levetiracetam	Potassium bromide	Topiramate	Gabapentin	CBD max-dose
1	Chihuahua	Female	Intact	1 Y	2 Y	3.5	2.8	SE	Yes	Yes	Yes	Yes	None	Yes	1.5
2*	Chihuahua	Male	Intact	5 Y	10 Y	7.8	6.7	IE	Yes	Yes	Yes	Yes	None	Yes	2
3	Chihuahua	Male	Intact	6 Y	7 Y	3.7	3.95	SE	Yes	None	Yes	Yes	None	None	2
4	Chihuahua	Male	Neutered	3 Y	4 Y	3.4	3.25	SE	Yes	None	Yes	Yes	None	None	2.5
5*	Chihuahua	Female	Neutered	5 mth	3 Y	3.85	4.3	IE	Yes	Yes	Yes	Yes	Yes	Yes	2.5
6*	Pomeranian	Male	Intact	5 mth	3 Y	5.55	4.95	IE	Yes	Yes	Yes	None	None	Yes	2
7*	Labrador retriever	Male	Intact	1 Y	6 Y	43	43.2	IE	Yes	None	Yes	None	None	Yes	2
8*	Siberian husky	Male	Intact	2 Y	5 Y	30.95	27.85	IE	Yes	None	Yes	None	None	Yes	0.5
9	Beagle	Male	Neutered	2 Y	3 Y	15.4	15	IE	Yes	None	None	Yes	None	None	0.5
10	Siberian husky	Male	Intact	1 Y	1.5 Y	24.35	27.6	IE	Yes	Yes	None	Yes	None	Yes	2
11	Siberian husky	Male	Neutered	3 Y	7 Y	49.25	50.2	IE	Yes	Yes	Yes	None	None	Yes	2.5
12	Chihuahua	Female	Intact	8 Y	8 Y	3.45	3.3	SE	Yes	Yes	Yes	None	None	Yes	0.75
13	Crossbreed	Male	Neutered	1 Y	4 Y	6.9	7.35	IE	Yes	None	Yes	Yes	None	Yes	0.5

Remarked: Dog code number with asterisk indicated complete IVETF level-II. Other IE dogs lack bile acid and MRI testing.

CBD max-dose (mg/kg) means the maximum dose of CBD at 12-week of study while all dogs start at 0.5 mg/kg (baseline)

Supplementary Table (S2). Questionnaire Adverse Event and perception use of CBD product

Topic / Observation	Scoring Level (Specify a number from 1 to 5): 1 = Not observed and very rarely, 2 = Rarely observed, 3 = Moderately observed, 4 = Frequently observed, 5 = Most frequently observed				
	5	4	3	2	1
1. Ataxia/loss of balance/disorientation					
2. Agitation or restlessness					
3. Lethargy and weakness					
4. Polyphagia; increased appetite					
5. Bright-Alert-Response and vitality					
6. Vomiting					
7. Diarrhea or loose stools					
8. Urinary incontinence or pollakiuria					
9. Xerostomia; dry mouth / Polydipsia; increased thirst					
10. Hypersalivation or ptyalism					

Severity Scale (Treatment Response Assessment):

5 = Markedly decreased, 4 = Much decreased, 3 = Moderately decreased, 2 = Minimally decreased, 1= No decrease					
	5	4	3	2	1
1. Owner's perception of the response to seizure frequency					
2. Owner's perception of the response to seizure severity					
5 = Very much improved, 4 = Much improved, 3 = Moderately improved, 2 = Minimally improved, 1 = No improved					

	5	4	3	2	1
3. Owner's attitude toward the dog's quality of life					
4. Owner's attitude toward their own quality of life					
5 = Most acceptable, 4 = Much acceptable, 3 = Moderately acceptable, 2 = Minimally acceptable, 1 = Not acceptable					
	5	4	3	2	1
5. Owner's attitude toward the increased cost associated with CBD use					
6. Behavioral changes; positive or negative outcome – please describe					
7. Other aspects related to the quality of life of the dog and its owner, including attitudes or perceived responses to CBD; please describe					

----- Thank you for your kind cooperation -----

Summarized data from the owner 'observation (n)

Topic / Observation	Scoring Level (Specify a number from 1 to 5): 1 = Not observed and very rarely, 2 = Rarely observed, 3 = Moderately observed, 4 = Frequently observed, 5 = Most frequently observed				
	5	4	3	2	1
1. Ataxia/loss on balance/disorientation			2	2	8
2. Agitation or restlessness				5	7
3. Lethargy and weakness		1	3	3	5
4. Polyphagia; increased appetite		3	4	3	2
5. Bright-Alert-Response and vitality		3	5	2	2
6. Vomiting					12

7. Diarrhea or loose stools				2	10
8. Urinary incontinence or pollakiuria				3	9
9. Xerostomia; dry mouth / Polydipsia; increased thirst			3	5	4
10. Hypersalivation or ptyalism				2	10

Severity Scale (Treatment Response Assessment):

5 = Markedly decreased, 4 = Much decreased, 3 = Moderately decreased, 2 = Minimally decreased, 1 = No decrease					
	5	4	3	2	1
1. Owner's perception of the response to seizure frequency		5	3	2	2
2. Owner's perception of the response to seizure severity		8	3	1	
5 = Very much improved, 4 = Much improved, 3 = Moderately improved, 2 = Minimally improved, 1 = No improved					
	5	4	3	2	1
3. Owner's attitude toward the dog's quality of life	4	6	1	1	
4. Owner's attitude toward their own quality of life	6	4	1	1	
5 = Most acceptable, 4 = Much acceptable, 3 = Moderately acceptable, 2 = Minimally acceptable, 1 = Not acceptable					
	5	4	3	2	1
5. Owner's attitude toward the increased cost associated with CBD use	2	4	5	1	

Supplementary Table (S3). Seizure Calendar

Seizure Calendar for: Pet ID.....Year.....

Date	January	February	March	April	May	June	July	August	September	October	November	December
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31												
Total												

**Should the animal display any of the following symptoms—seizure activity persisting for more than 5 minutes or experiencing more than two seizure episodes within a single day—it is crucial to seek immediate veterinary attention, as the pet may be undergoing status epilepticus.*

*** Any additional questions or concerns should be addressed through direct contact.*