

2017-18 Arthritic Dog Case Study Group Report



Before



After

Introduction

Since the launch of PetBrew in 2015, dog owners have reported a range of positive effects including calmer, quieter dogs, improvements to overall condition, and improved freedom of movement.

Also reported were reduced symptoms and significant improvements in the quality of life of arthritic dogs.



PetBrew is unique in the marketplace. It is a fresh fermentation product with a limited shelf life that contains high numbers of live, active probiotic microbes (minimum 10^7 CFU/ml lactobacilli) and a complex of metabolites including beneficial organic acids (butyric acid, lactic acids, acetic acid, their esters, etc.).

We assert these unique characteristics are responsible for the effects described below.

Method

In November 2017, we invited dog owners via Facebook to participate in a case study group for dogs suffering from chronic arthritis.

Participants were self-selected. They agreed to follow the case study protocol, take before and after photographs, and complete on-line start & finish surveys.

Dogs included in the trial received PetBrew administered in their food for 15 days. Dogs under 7kg were to receive 10ml, dogs between 7 and 20kg to receive 20ml, and dogs over 20kg to receive 30ml, daily.

We asked participants to record the weight, body condition score (BCS) of their dog, severity of arthritis symptoms, overall skin condition, freedom of movement, and mood/demeanor. Participants used a system of visual assessment of body condition with scores ranging from 1 to 9 with 1 being emaciated/starving and 9 being morbidly obese. This same scale (1-9 with 1 terrible and 9 near perfect) was used to score the other categories, i.e., arthritis symptoms, freedom of movement, skin/coat, and mood.

Eleven participants completed the course of product administration and the online surveys recording their observations.

Results

Arthritis symptoms were reported as improving from 4.5 to 5.5.

Movement improved from 4.7 to 5.6 and mood from 6.5 to 7.5.

These collectively represent a significant improvement in quality of life.

Where Body Condition Score (BCS) changed, it moved towards a score of 5, the optimal BCS.

Conclusion

Administration of PetBrew improved the quality of life for arthritic dogs.



Table 1 Effects of PetBrew[®] on arthritic dog health and quality of life.

Weight		BCS		Arthritis		Coat/skin		Movement		Mood		
Before	After	Before	After	Before	After	Before	After	Before	After	Before	After	
70.6	71.1	7	7	3	4	1	3	4	5	5	6	
39	40	3	4	3	3	7	8	3	3	8	8	
35	33	7	6	5	5	5	7	6	7	7	8	
26.6	26.3	5	5	3	5	7	7	5	4	5	7	
23	30	5	5	7	8	7	6	4	5	9	9	
22	22	6	5	4	8	7	8	5	8	7	8	
20.9	21.2	6	6	6	6	8	8	6	7	9	9	
20.6	20	4	4	4	6	8	8	4	6	4	7	
19.7	19.5	3	3	4	4	4	7	4	5	3	6	
8	9	5	5	6	6	9	7	6	7	5	7	
#NR	NR	3	5	4	5	7	6	5	5	9	7	
Average	28.54	29.21	4.9	5.0	4.5	5.5	6.4	6.8	4.7	5.6	6.5	7.5
	NS		NS		p < 0.02		NS		p < 0.001		p < 0.025	

NR = not recorded * NS = not statistically significant at p = or < 0.05 p values were obtained via a paired two sample t-test



Comments from Participants

Thanks for the product....it looks like it will be great for all my dogs!

Extremely happy and more mobile. He's usually grumpy and snapping at the other dogs. I noticed this mood change after day 3. He didn't lose weight but converted it to muscle mass being more active. His broken foot isn't bothering him at present. Didn't like the taste straight although licked it up out of his food bowl

Definite improvement! Not limping as much after walking or exercise. We are going to carry on with PetBrew!

He still has a slight limp where he favours his stiffer side but his actual movement is much better and freer. He even trotted along a bit when we were walking the other day. He does not appear as stiff in the back end when jumping onto the bed. You can definitely see that he has arthritis still. We have had several plays while he has been taking PetBrew and it seems that he is not as uncomfortable afterwards, as he was previously.

I was curious to see if PetBrew would help his reaction to loud noises as mentioned in my beginning survey. He is not quite as reactive as he was before starting but he still does not like them, but he is not reacting to small things like me lifting the bin lid beside him.

She seems happier :)

He does seem better. He is also not eating as much grass and has a freer gait. Thanks again.

We have noticed a remarkable difference in her. After big walks she is no longer limping, or if she is its only very slightly! Amazing stuff which we will continue to use PetBrew.

He's quite happy having it in his breakfast!

The rest of my dogs are trying to push him away from it so it must be good!
