Effect of Tricho S and Tricho Cure on Alopecia X

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Hair cycle arrest is a noninflammatory alopecia that occurs mainly on the trunk and is commonly observed in Pomeranians. It is also known as alopecia X, and no definitive treatment has been established for this condition. The studied used the combination active ingredients of *Pantoea agglomerans* lipopolysaccharide (LPS) and pine bark polyphenol (*Pinus pinaster* polyphenol) composition (Tricho S, Tricho Cure), which are reported to be effective in improving alopecia, were used as additional treatment in animals with poor medical response and refractory cases in traditional treatment, and the efficacy and safety observed are reported as follows.

Introduction

Various treatment methods have been used in clinical practice for the treatment of hair cycle arrest. In this report, the safety and efficacy of using composition (Tricho S, Tricho Cure) containing the active ingredients of *Pantoea agglomerans* lipopolysaccharide (LPS) and pine bark polyphenol (*Pinus pinaster* polyphenol) with the traditional treatment at this hospital were evaluated. In addition to this, the additional effect in animals with poor medical response and refractory cases will be evaluated and reported. For this report, refractory cases were defined as animals for whom the specified drugs are difficult to use because of an underlying disease, animals for whom treatment needed to be discontinued because of adverse reactions, animals with slowed growth of hair due to long-term treatment, and animals with hair growth observed but had a subsequent relapse.

Method

The hospital recruited participants for a study because their dogs, who had previously undergone medical treatment at the hospital, did not show improvement in symptoms. Despite this, more than 30 dog owners expressed interest in the study and participated. The granule type Tricho S and spray type Tricho Cure were used for these dogs as appropriate. The treatment period was set at six months, and safety and efficacy were investigated with Tricho used in addition to the continuation of a traditional treatment. Evaluation was conducted in five steps, which were significantly improved, improved, somewhat improved, unchanged, and exacerbated.

Results

Because of the necessity to submit an article, the results as of the end of August will be provided, although this is before the end of the treatment period. Tabulation results will be presented in its entirety in the presentation in the annual meeting in November.

Number of registered animals: 35
Number of animals who completed six months of planned treatment period as of the end of August: 25
Dropouts due to no-show for return visits during the period above: 2
Deaths: 1 (death due to an unexpected accident)
Adverse events during treatment: Tear stain in 1 animal, combination of tear stain and coloring of trunk hair in 1 animal (treatment discontinued for both animals)

State of improvement for all 25 animals reaching six months of the planned treatment period at the end of August, which was started in February 2023, were as follows:
Significantly improved in 7 animals (28.0%), improved in 7 animals (28.0%), somewhat improved in 0 animals (0%), unchanged in 11 animals (44.0%), and exacerbated in 0 animals (0%).

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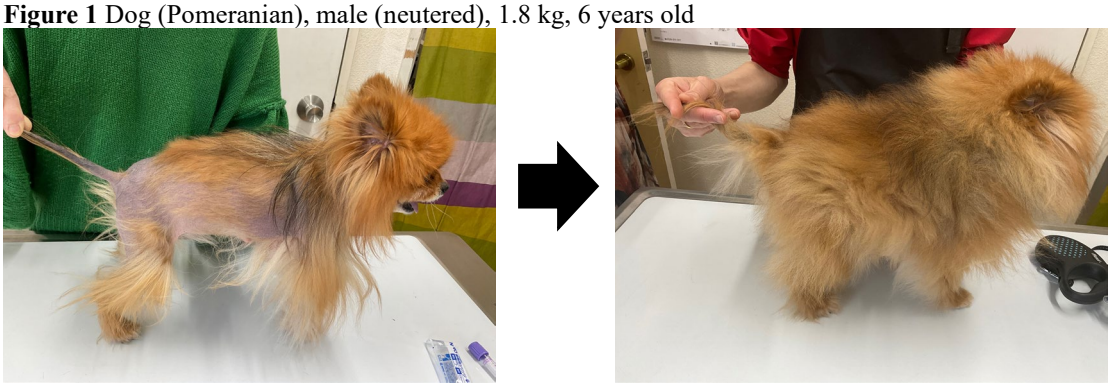
Discussion

As of the end of August, no serious adverse events had been observed during the treatment period of this report, suggesting that Tricho S and Tricho Cure can be used safely in addition to the traditional treatment. The addition of these composition to the traditional treatment found 56.0% improvement in alopecia (improved or higher) for animals with poor medical response who were defined as refractory cases for this report. Also, when Tricho S was administered to animals with symptoms of alopecia who could not be treated as desired because of an underlying disease or other reason, growth of the undercoat was observed from three weeks after and with growth extending to the back in some cases. The hair on the far side of the back grew slowly and was difficult to treat with previous methods. Tricho S and Tricho Cure are able to be used safely in combination with the traditional treatment and are thought to have effect in improving alopecia.

Photographed March 2023 Photographed July 2023

Figure 1 Dog (Pomeranian), male (neutered), 1.8 kg, 6 years old



Photographed March 2023 Photographed July 2023

Figure 2 Dog (Pomeranian), male (neutered), 2.7 kg, 7 years old