

This is an information/data sheet to educate you on a new product Dermatoinin (Melatonin Implant) for dogs that will regrow hair in dogs that have been diagnosed with Alopecia X.

DISEASE: Alopecia X. (Also called A Typical Cushings or Hypothyroidism) this disease affects a number of dogs and it causes them to loss hair seasonally in patches. **Dermatonin** (the melatonin implant) for canines with is now available, and although there is not a lot of research, veterinary dermatologist are currently engaged in "clinical trials" using constant-release melatonin implants for the treatment of "Alopecia-X" as well as for several other canine hair loss conditions. **Dermatonin** gives the veterinary market a 100% natural way to treat an often cosmetic condition without harmful drugs. This disease is not completely understood disorder often associated with abnormal levels of sex hormones (i.e. progesterone, estradiol, testosterone) originating from the adrenal glands. Additionally, dysfunctional hormonal receptor on hair follicles likely plays a role

CLIENT & Clinical Signs: This disease affects over 100,000 dogs yearly; many who get the condition every year, hence the implant is needed for the remainder of the dog's life; every 6 months. Alopecia X is most common in young adult dogs of plush-coated arctic breeds such a; Pomeranians, Chows, Keeshonds, Samoyeds, Huskies, and miniature poodles. Clinical Signs: Gradually progressive, symmetrical, nonpruritic, and non-inflammatory hair loss on the trunk, tail, thighs, and neck which spares the head and front legs. Hair loss initially involves the guard hairs, leaving a woolly puppy coat. Note: University of Tennessee Panel test is required.

TREATMENT: **Melatonin Implants -Dermatonin-** according the Clinical Endocrinology Service at the College of Veterinary Medicine, **The University of Tennessee**. Melatonin is the only 100% natural treatment that will cause hair to regrow in your canine patients. Dermatoinin Implants are available for dogs in sizes are 8, 12 and 18 mg for <25lb , 25-50lb and >50 lb dogs, respectively.

Question: What is it, how do they come, the shelf life and where is the implant site?

Answer: **Dermatonin** Implants are available for dogs thru listed vendors in sizes of 8.0 mg, 12.0 and 18.0 mg for <25lb, 25-50 and >50 lb dogs, respectively. The implant size is smaller than that of a micro-chip (piece of rice) and melatonin is 100% natural product produced naturally by the canine. We are just naturally adding more melatonin to the canines system to regulate the hormones. **Dermatonin** comes in a **Gas sterilized, Pre-loaded, Disposable, Implanting Device** (see below) to ensure the safety and wellness of your canine. Note: Must be administered by a Veterinarian due to the large needle and they are to be administered every 6 months with each **Dermatonin** implant having a 2 year shelf life.

Answer: Dermatoinin is implanted exactly as a micro chip tag and goes subcutaneous between the shoulder blades. Downloadable instructions are available on the Melatek web site www.MELATEK.net or call 877- (Melatek) 635-2835 and we have staff of experienced veterinarians to assist you and your veterinary clients with technical questions.



Before Dermatoinin Implant



After Dermatoinin Implant



Dermatonin Syringe

The Dermatoinin started to work within 30 days and at eight weeks the hair cover was very good. We have continued with the implants ever 4-6 months and the alopecia has never returned. The clients love the way Avalanche looks and we have not experienced any side effects to date. Dr. Joseph Kelley