HYPOTHYROIDISM IN DOGS: : WHAT NUTRITIONAL APPROACH ?





NUTRITIONAL MANAGEMENT, A MAJOR CONTRIBUTION TO SUPPORTING HYPOTHYROID DOGS

- Hypothyroidism requires medical management through thyroid hormone supplementation.
- However, certain complications associated with the disease benefit from nutritional measures, which will also improve quality of life and life expectancy.
- Nutritional recommendations take into account the dog's age, body condition, muscular condition and the presence of any concomitant diseases.



A NUTRITIONAL RECOMMENDATION TAILORED TO EACH SITUATION

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Predisposition to overweight and obesity

Hypothyroid dogs have a reduced basal metabolism, which predisposes them to overweight or obesity.

- Successful treatment with levothyroxine sodium will generally result in weight loss, but for the most severe cases, nutritional management is recommended.
- A low-calorie, high-protein diet has proved to ensure effective weight loss while preserving muscle mass¹.



Joint damage

Successful treatment with levothyroxine sodium is accompanied by an increase in physical activity, which may reveal or intensify other problems, such as osteoarthritis..

• A diet enriched with Omega-3 fatty acids, collagen and chondroit in supports joint health and mobility^{9.}



Dermatological disorders

The majority of hypothyroid dogs present with dermatological problems, such as scaling, alopecia or skin infections

- Restoring their skin will require a sufficient supply of essential nutrients, such as fatty acids, vitamins fatty acids, vitamins A, E and B, proteins zinc and selenium².
- Consumption of Omega-3 fatty acids and can modify the production of eicosanoids and cytokines and cytokines, thereby supporting the immune response³.



Associated endocrine disorders

A study by Dixon et al showed that 10% of hypothyroid dogs also had diabetes⁸.

 In addition to medical treatment, a nutritional nutritional approach is essential to manage the associated complications (difficulty controlling blood sugar, hyperlipidemia, poor skin condition...).



Aggravation of pre-existing cardiac pathology⁷

Thyroid hormones have a direct inotropic and chronotropic effect effect on the heart. While it is not certain that hypothyroidism can lead to heart disease, it is known, however, that the disease can aggravate pre-existing cardiac pathology⁴.

- Nutritional support for cardiac dogs is based on sodium restriction taurine and L-carnitine, as well as increased intake of increased intake of omega-3 fatty acids.
- Studies have shown that fish oil intake by cardiac dogs is associated with increased life expectancy⁵, reduced arrhythmias⁶ and reduced cachexia⁷.

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