

Cluster of cases of congenital feline goitrous hypothyroidism in a single hospital

Por: [Iturriaga, MP](#) (Iturriaga, M. P.)^[1]; [Cocio, JA](#) (Cocio, J. A.)^[2]; [Barrs, VR](#) (Barrs, V. R.)^[3]

[Ver número de ResearchID y ORCID de Web of Science](#)

JOURNAL OF SMALL ANIMAL PRACTICE

DOI: 10.1111/jsap.13231



Acceso anticipado: SEP 2020

Tipo de documento: Article; Early Access

[Ver impacto de la revista](#)

Abstract

Objectives To describe the clinicopathological findings and outcomes of cases of feline congenital hypothyroidism diagnosed in a single veterinary hospital in Santiago, Chile. **Materials and Methods** Medical records were searched for cases of congenital hypothyroidism over an 18-month period. **Inclusion criteria** were a diagnosis of congenital hypothyroidism based on consistent historical and clinical findings, a low or low-normal serum total T4 and elevated serum canine TSH (cTSH). **Results** Six unrelated cats ranging in age from 4 to 19 months met the inclusion criteria. The most common historical signs were small stature and lethargy. All cats had disproportionate dwarfism, delayed tooth eruption, retained deciduous teeth, bilateral palpable goitres and low rectal temperatures. Other findings were bradycardia, obesity, poor hair coat and focal alopecia on the ventral aspects of the elbows and hocks. In all cases, cTSH was markedly elevated. Sequential changes noted after the initiation of therapy included normal T4 after 6 weeks, improved hair coat and increased physical activity by 8 weeks, normal cTSH by 10 weeks and normal physical appearance and dentition after 4 months. Goitres shrank markedly but remained palpable. Hypothyroidism was well managed clinically in all cases 2 years after diagnosis except for one cat that died of unrelated causes. **Clinical Significance** This is the first report to describe a cluster of congenital hypothyroidism cases in non-related cats that were presented over a short period of time. Growth defects resolve with treatment, even in cats diagnosed after puberty. Larger, prospective multi-centre studies are warranted to determine the incidence of congenital hypothyroidism in cats.

Palabras clave

KeyWords Plus: [HIGH IODINE](#); [CATS](#); [DWARFISM](#); [GOITER](#); [DOGS](#)

Información del autor

Dirección para petición de copias:

Universidad de Las Americas - Chile Univ Las Amer, Escuela Med Vet, Fac Med Vet & Agron, Manuel Montt 948, Santiago 7500975, Chile.

Dirección correspondiente: Iturriaga, MP (autor correspondiente)

- + Univ Las Amer, Escuela Med Vet, Fac Med Vet & Agron, Manuel Montt 948, Santiago 7500975, Chile.

Direcciones:

- + [1] Univ Las Amer, Escuela Med Vet, Fac Med Vet & Agron, Manuel Montt 948, Santiago 7500975, Chile
- + [2] Univ Chile, Hosp Clin Vet, Francisco Bilbao 2854, Santiago 7510828, Chile
- + [3] City Univ Hong Kong, Jockey Club Coll Vet Med & Life Sci, Dept Vet Clin Sci, Kowloon Tong, 31 To Yuen St, Hong Kong, Peoples R China

Direcciones de correo electrónico: miturriagaa@udla.cl

Editorial

WILEY, 111 RIVER ST, HOBOKEN 07030-5774, NJ USA

Información de la revista

- **Impact Factor:** [Journal Citation Reports](#)

Categorías / Clasificación

Áreas de investigación: Veterinary Sciences

Categorías de Web of Science: Veterinary Sciences

Información del documento

Idioma: English

Número de acceso: WOS:000572315000001

ID de PubMed: 32974927

ISSN: 0022-4510

eISSN: 1748-5827