

VETERINARY TECHNICAL DATASHEET

Centronuclear Myopathy, (CNM); mutation originally found in Great Dane



Mutation Found In :Great Dane

Disorder Type

- Muscle

Disease Severity

- Severe

Background

With CNM, the severity of the clinical signs and age of onset varies, but common manifestations are muscle weakness and skeletal muscle wasting reducing the dog's exercise capabilities and causing changes in posture.

Key Signs

- Muscle weakness
- Exercise intolerance
- Ventroflexion
- Skeletal muscle atrophy

Clinical Description

In Great Danes, typical clinical signs of CNM are general atrophy of the muscles, exercise intolerance, and exercise-related tremors of the muscles. Typically clinical signs appear at 6 to 8 months of age and progress with age. Most affected dogs will need to be euthanized before the age of 18 months due to severe weakness of the muscles.

Mode of Inheritance

- autosomal recessive

Gene Name

- BIN1

Next Steps

Treatment is supportive care. Humane euthanasia for affected dogs is often elected.

References

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