## VETERINARY TECHNICAL DATASHEET

Duchenne or Dystrophin Muscular Dystrophy, (DMD); mutation originally found in Norfolk Terrier

Background

Next Steps

# W¥SDOM<sup>™</sup> HEALTH

Mutation Found In :Norfolk Terrier

#### Disorder Type

Muscle

Disease Severity

• Severe

Dystrophin-deficient muscular dystrophy (Duchenne muscular dystrophy) is a progressive, hereditary disorder leading to muscular dysfunction. The disease is caused by the deficiency of dystrophin that protects muscles from damage during muscle contraction. A form of the disease has been described in Norfolk terriers.

## Key Signs

- Progressive muscular weakness
- Respiratory dysfunction
- Cardiomyopathy

## **Clinical Description**

Clinical signs of the disease appear at a young age. Affected puppies show progressive muscular weakness, respiratory problems, and have cardiomyopathy. The prognosis of the disease is poor.

Glucocorticoid therapy and dantrolene therapy may provide temporary improvement.

However, because of the severity of the clinical signs, affected puppies are usually

#### Mode of Inheritance

• X-linked

Gene Name

• Dystrophin

#### References

Jenkins C, Forman O. Identification of a novel frameshift mutation in the DMD gene as the cause of muscular dystrophy in a Norfolk terrier dog. Canine Genetics and Epidemiology;2:7, 2015.

euthanized at a young age on welfare grounds.

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