

## VETERINARY TECHNICAL DATASHEET

Dystrophic Epidermolysis Bullosa; mutation originally found in Golden Retriever



Mutation Found In :Golden Retriever

### Disorder Type

- Skin

### Disease Severity

- Moderate

### Background

DEB is characterized by a dysfunctional collagen protein that causes separation of the of the layers within the skin - the epidermis separates from the underlying dermis.

### Key Signs

- Blistering of the skin
- Lesions in oral cavity and upper digestive tract
- Growth retardation

### Clinical Description

Dystrophic epidermolysis bullosa (DEB) results in fragile skin caused by the dysfunctional collagen protein. Therefore, areas of high friction such as footpads, groin, and oral cavity tend to exhibit the characteristics blisters. Puppies may be smaller than littermates, likely as a result of eating less due to the discomfort this poses.

### Mode of Inheritance

- autosomal recessive

### Gene Name

- COL7A1\_Golden Retriever

### Next Steps

Treatment is pain management, supportive care, and symptomatic depending on the severity of the dog's clinical signs.

### References

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