

L'Atassia cerebrale è una malattia che provoca una degenerazione del sistema nervoso. I sintomi possono apparire tra i 3 e 5 anni: il cane affetto ha un'andatura traballante, delle crisi di contrazione muscolare, dei tremiti ed una cattiva gestione delle distanze. La malattia progredisce durante le crisi, seguite da fasi di stabilizzazione. Allo stadio finale, l'animale è incapace di spostarsi. Definitivamente incurabile, un'eutanasia è generalmente praticata dal Veterinario.

Cerebellar Ataxia is a neurological disorder. This disease is also called Cerebellar Cortical Degeneration or Neuronal Ceroid Lipofuscinosis (NCL).

The first signs of the disease usually appear between 3 and 5 years of age in affected dogs. More rarely, early or late-onset symptoms can appear between 1.5-3 years or after 5 years. Symptoms are loss of balance, difficulty cornering, and falling when shaking their head. When they became unable to walk without falling repeatedly, owners usually make the difficult choice to euthanize.

The clinical diagnosis is realized by excluding others diseases and confirmed by a MRI (Magnetic Resonance Imaging). More in depth information on Ataxia can be viewed here: www.antagene.com . Dogs who are found to be "**Heterozygous Carriers**" of Ataxia will **NEVER develop the disease**, and can be successfully bred to "**Homozygous Clear**" dogs to produce offspring who will also **NEVER be affected by the disease**.

DNA test result	The dog is	Genetic status	Will develop the disease ?	Will transmit the genetic anomaly?
Normal homozygous	Clear	2 normal copies of the implicated gene	NO	NO
Heterozygous	Carrier	1 normal copy and 1 defective copy of the implicated gene	NO	YES, statistically to 50% of its progeny
Mutated homozygous	Affected	2 defective copies of the implicated gene	YES	YES, to 100% of its progeny

ANTAGENE commercialises the NCL-A test in the **American Staffordshire Terrier**. The technology underlying this test is patented world-wide by INRA and ENVA. **ANTAGENE** has an exclusive license to provide this test in Europe and in the World.

ANTAGENE propone un test genetico per individuare l'Atassia cerebrale (NCL-A) nell'**American Staffordshire Terrier**.

La tecnologia che ha permesso la messa a punto di questo test è brevettata dall'INRA e l'ENVA.

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