



MYOPATHY CENTRONUCLEAIRE (CNM)

Description

The myopathy of the Labrador to retriever (MLR or LRM in English) is a relatively common neuromuscular disease affecting most of the time several puppies of a reach. This disease is an affection with transmission autosomique (a single responsible gene) recessive (the individual has to possess 2 genes moved to be affected) which is characterized by an achievement of the scrawny muscular fibers. These muscular fibers can decrease in number, be atrophied, and/or be necrosed.

Disease first symptoms

Although it exists some variations, the clinical appearances are rather similar at all the affected dogs and are characterized by a generalized muscular weakness and an ataxy (lack of coordination of the voluntary movements). The affected puppies present no peculiarity to the birth. The first signs appear generally enter the age of 6 weeks and 7 months, then evolve until one year to stabilize at the end. Relapses, (aggravated by the cold, are often observed ; they can last a few days.

A delay of growth can be observed from the age of 1 month to the most affected puppies. The life expectation is comparable to that of perfectly healthy individuals.

Whatever is the age, the approach is characterized by a steepness, short steps and sometimes simultaneous movements of the previous (" jump of rabbit "). These abnormalities become more marked during an exercise, and if the effort has to go on, dogs collapse without presenting of loss of consciousness. Some of them, less severely affected, have a good tolerance in the effort.

Screening

This DNA test is a real help to allow you to select your breeders and to adapt the crossings to avoid producing and selling puppies genetically affected by myopathy centronucleaire.

To realize the DNA screening of this disease, a simple oral smear or a blood test allows us to make the analysis. On simple request of your part by phone or by mail, we send you a free of charge kit, oral or blood taking. At reception of your taking in the laboratory, only 10 working days are enough so that you have your results by email.

For more information, do not hesitate to contact us !

Source : Thèse du Docteur Duval Gregory, visible sur <http://theses.vet-alfort.fr/telecharger.php?id=90>

		Father							
		Not carrier		Carrier		Affected			
		+	+	+	-	-	-		
Mother	Not carrier	+	+/+	+/+	+/+	+/-	+/-	+/-	
		Not carrier	Not carrier	Not carrier	Carrier	Carrier	Carrier		
	Carrier	+	+/+	+/+	+/+	+/-	+/-	+/-	
		Not carrier	Not carrier	Not carrier	Carrier	Carrier	Carrier		
	Affected	-	+/-	+/-	+/-	-/-	-/-	-/-	
		Carrier	Carrier	Carrier	Affected	Affected	Affected		
			-	+/-	+/-	+/-	-/-	-/-	-/-
			Carrier	Carrier	Carrier	Affected	Affected	Affected	