L2 HGA

IS A NEUROMETABOLIC DISORDER. IT AFFECTS THE CENTRAL NERVOUS SYSTEM WITH CLINICAL SIGNS APPARENT BETWEEN 6 MONTHS AND 1 YEAR OF AGE

SYMPTOMS INCLUDE

EPILEPTIC SEIZURES

WOBBLY GAIT

TREMORS

MUSCLE STIFFNESS DUE TO EXERCISE OR EXCITEMENT

ALTERED BEHAVIOUR

THE DISORDER SHOWS AN AUTOSAMAL RECESSIVE MODE OF INHERITANCE (AUTOSOMAL RECESSIVE MEANS TWO COPIES OF AN ABNORMAL GENE MUST BE PRESENT IN ORDER FOR THE DISEASE OR TRAIT TO DEVELOP) ie. One from each parent to be present for the dog to be affected. INDIVIDUALS WITH ONE COPY OF THE DEFECTIVE GENE AND ONE COPY OF THE NORMAL GENE (carriers) SHOW NO SYMPTOMS BUT CAN PASS THE DEFECTIVE GENE TO THEIR OFFSPRING

IF TWO APPARENTLY HEALTHY CARRIERS ARE MATED

25% ON AVERAGE WILL BE AFFECTED

25% WILL BE CLEAR

THE REMAINING 50% WILL BE CARRIERS

DNA TESTING CAN DETECT AFFECTED DOGS AND CARRIERS

CLEAR STATUS
The dog has 2 copies of the gene and will nether develop L2 nor pass on a copy to its offspring

CARRIER STATUS
The dog has one copy of normal gene and one mutant gene that causes L2 –HGA. It will not develop L2 HGA but will pass on the gene to 50% (on average) of its offspring.

AFFECTED STATUS
The dog has 2 copies of L2 HGA mutation and is AFFECTED with L2 HGA. It will develop full blown L2 HGA at some stage during its lifetime, assuming it lives to an appropriate age.

DNA TESTING CAN BE DONE VIA THE ANIMAL HEALTH TRUST
www.aht.org.uk
Forms can be downloaded and taken to the vets for the bloods to drawn and sent for analysis.

Additional information can be sourced from www.staffords.org.uk and the Kennel Club -www.thekennelclub.org.uk