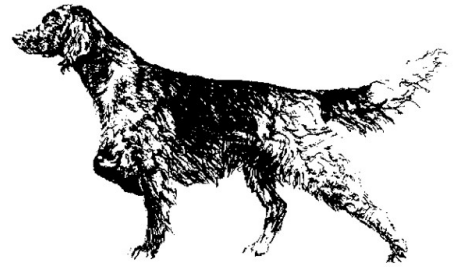


# THE LARGE MUNSTERLANDER CLUB

President: The Hon. Mrs. J. Farncombe

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CHAIRPERSON  
Mrs C Ogle  
Raycris  
Stainton Lane  
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S66 7RB

Dear Member

## HUU - URATE STONES - URIC ACID EXCRETION (CANINE HYPERURICOSURIA)

Several breeds are affected by the above condition including the Large Munsterlander

This disease is characterised by the excretion of uric acid leading to the formation of urinary stones. Having said that, affected dogs do not always show symptoms and therefore may inadvertently be bred from thus passing on the mutated gene to their offspring. Carriers will never show symptoms. DNA testing is now available from the Animal Health Trust. [http://www.aht.org.uk/genetics\\_US.html](http://www.aht.org.uk/genetics_US.html)

HUU follows an autosomal recessive mode of inheritance. (The same mode of inheritance as the 'Brown' gene in LMs)

Since carriers are free of the disease symptoms, they can be freely crossed with dogs which have been DNA tested clear of the mutation, without producing any clinically affected pups. It is therefore possible, by careful breeding, to eradicate the disease from our breed without losing any bloodlines.

The LMC management committee has decided that, after August 1<sup>st</sup> 2010, it is mandatory that matings only take place between Large Munsterlanders that have been DNA tested for HUU

For inclusion on the LMC Puppy Register the only accepted matings will be between Clear to Carrier, and Clear to Clear. Copies of DNA results and all other health certificates must accompany the Puppy Register application form.

It should be noted that the AHT take about four weeks to complete this test and that the cost is £70.

**Samples submitted should be cheek swabs (a non-invasive sampling method) obtainable from the Animal Health Trust. Samples (three swabs) should be sent together with a completed DNA Test form and payment for each sample to Genetic Services, Animal Health Trust, Lanwades Park, Kentford, Newmarket, Suffolk CB8 7UU.**

**Kits for taking cheek swabs are available by phoning +44 (0)1638 555621 or via e-mail to [swab.request@aht.org.uk](mailto:swab.request@aht.org.uk). Further information can be obtained by e-mailing [dna.testing@aht.org.uk](mailto:dna.testing@aht.org.uk). A list of prices can be found on the AHT web site <http://www.aht.org.uk>.**

We hope that you will join with us to eradicate this disease from our breed. If you wish to discuss this matter with a committee member please contact Christine Ogle 01709 814270 or Lynn O'Connell 01507 588263

Kind Regards

Mrs C Ogle