



MICHIGAN STATE UNIVERSITY  
**VETERINARY**  
MEDICAL CENTER



**UC DAVIS**  
VETERINARY MEDICINE



**VETERINARY MEDICINE  
& BIOMEDICAL SCIENCES**  
TEXAS A&M UNIVERSITY



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UNIVERSITY of PENNSYLVANIA

## Norwich Terrier Upper Airway Syndrome Study

### My dogs are recruited online through REDCap, now what?

- The clinicians or study personnel from your preferred university will contact you regarding scheduling an appointment. This is the perfect time to go over any questions you may have.

### Do I have to pay anything?

- The NTUAS Study covers the cost of anesthesia, endoscopy and blood sampling for DNA analysis. This amounts to \$450 being credited to your account on Study Day. Your bill on Study Day may have some additional fees for the services provided by the hospital for the Study. These will vary by institution, and may be as much as \$150-200 per dog. You will be responsible for any charges over \$450.
- To be eligible for the Study, pre-anesthetic blood work and chest X-rays (at least two views, dorso-ventral and lateral) are required. Bloodwork and X-rays can be performed either by your primary veterinarian or at the university hospital where your dog is enrolled. These diagnostics should be performed within 2 weeks of the Study Day.
- Why do we need pre-anesthetic blood work?
  - to make sure your dog is a good candidate for general anesthesia
  - to detect possible underlying conditions which may preclude enrollment
- Why do we need chest X-rays?
  - to exclude possible un-diagnosed conditions in the chest which may also cause respiratory signs, such as heart disease, lung disease, cancer, etc. This is required on all dogs, even on young dogs.
- The NTUAS Study does not cover the costs of surgery (e.g., removal of sacculles, shortening of the soft palate) or any additional diagnostics undertaken (e.g., echocardiogram).

### This is your checklist to go through before the Study Day!

- Pedigree paperwork
- AKC Registration paperwork (if registered)
- Pre-anesthetic blood work (if you have had it performed prior to Study Day)
- Chest X-rays (if you have had it performed prior to Study Day)
- Make sure your dog has been fasted 12 hours prior to the Study Day (6 hours if your dog is less than 1 year old). Do not withhold water.
- If possible, make sure your dog has been off any medications to clear up his/her nasal passages. We can give you a list of these drugs if you need it.

### I still have some questions and would like to know more details

Sure! You can visit our study website <http://cvm.msu.edu/scs/research-initiatives/ntuas>

Or contact Dr. Grace Lai, the NTUAS research associate at MSU: [laipeich@cvm.msu.edu](mailto:laipeich@cvm.msu.edu)