



# Cornell University Veterinary Specialists

## Canine Clinical Trial



## Canine Sepsis Clinical Trial: Serial Assessment of Endothelial Glycocalyx Injury in Dogs with Sepsis

Sepsis is a very serious disorder resulting from a profound systemic response to overwhelming infection. Sepsis commonly causes organ damage and death. During sepsis, the lining of the blood vessels can be damaged, resulting in fluid leakage and organ damage. This lining is called the endothelial glycocalyx. This study will measure blood markers in dogs with sepsis to identify damage to the endothelial glycocalyx.

**GOALS** The purpose of this trial is to determine if the measurement of blood markers for the glycocalyx can help to identify damage to the blood vessel lining, and thus improve the ability of doctors to determine the severity of illness and prognosis, as well as to better judge whether their therapies are successfully treating sepsis.

**ELIGIBILITY** Any dog weighing over 3kg that fulfills the clinical criteria for sepsis, and is undergoing care and treatment at Cornell University Veterinary Specialists or the Cornell University Hospital for Animals.

### OVERVIEW

In addition to the usual diagnostic testing and treatments for dogs with this disease process, and as specifically deemed warranted for your pet, s/he will have a small amount of additional blood collected on admission and daily for 2 days to test for blood markers. .

**COMPENSATION** The study will only cover the costs of the study testing, as well as a coagulation panel. It will not cover any of the usual costs for diagnostic testing, medical care or treatments.

Interested in  
participating?

### Principal Investigator:

Robert Goggs, BVSc, DACVECC, DECVECC, PhD, MRCVS.  
Cornell University Hospital for Animals.  
Elisa Mazzaferro, MS, DVM, PhD, DACVECC.  
Cornell University Veterinary Specialists

### Contact:

If you think your pet may be a candidate, please contact the Emergency & Critical care Department at CUVS: 203.595.2777.