

INVESTIGATING CANINE SEIZURE AND BEHAVIOUR USING WEARABLE BIOMONITORS

Complete Title: Investigating the Behavioural and Environmental Context of Canine Seizures using Wireless-video Electroencephalography, Actigraphy and Owner-reported Questionnaires

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Purpose of the Clinical Study

Idiopathic epilepsy (IE) is the most common neurological disorder diagnosed in dogs. IE has a significant negative impact on affected dogs and their owners' quality of life. Through the use of wearable technologies for both pets and owners, we can increase our understanding of epileptic canine behaviour and gain insight to better predict future seizure occurrence.

Is Your Pet Eligible?

Dogs between the ages of 2-7 years:

- 1) Dogs with a confirmed idiopathic epilepsy diagnosis
- 2) Dogs that are neurotypical with no other health concerns/underlying conditions

Visits / Samples Required

Each dog and owner will be sent home with our wearable technology for a 48-hour recording. There will also be behavioural questionnaires to complete (REB# 22-05-012).

Financial Incentives

All costs for this study (consult fee, actigraphy, EEG recording +/- sedation and analysis) will be covered. Funding is generously provided by:

Ontario Veterinary College
OVC PET TRUST
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Questions about this study?
Please contact the research
team: epilepsy@uoguelph.ca