

Hannah Doit

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Biography:

I qualified as a vet from the University of Liverpool in 2010. I worked in veterinary practice for four years before moving to the Centre for Evidence-based Veterinary Medicine at Nottingham University as a Research Assistant. After this I began studying for a PhD in the methods and feasibility of small animal pragmatic clinical trials.

Degree registration:

PhD, due for completion 2021

Research topic:

Methods and feasibility of conducting pragmatic clinical trials in small animal first opinion practice.

Summary of research:

- *Systematic review of quality of life assessment tools for cats*
This is a structured method for gathering information from the published literature. In this review we examine how quality of life is assessed for cats in published research, whether it is done using a tool or defined methodology and the detail within the tools described.
- *Systematic review of the outcomes recorded in feline chronic kidney disease treatment efficacy research*
In this study we use the same structured method as above, however this study examines which parameters or measurements are taken to assess how well treatments for feline chronic kidney disease work. We are looking at the range of parameters measured, and the most common parameters included.
- *Creation of the first core outcome set (COS) in cats, for chronic kidney disease treatment efficacy research*
This study uses methods from human medicine to reach agreement on which parameters are the most important to measure when testing treatments for feline chronic kidney disease (CKD). In these methods we brought international representation of those who care for cats with CKD together in online questionnaires and a face-to-face meeting. Participants ranked parameters in order of importance, discussed the parameters and created group agreement as to which parameters should be prioritised. We hope that including these priority parameters in future treatment trials will strengthen the evidence base for feline CKD treatment, reduce research waste and will result in trials that can provide evidence on the parameters which really matter to those caring for these patients.
- *Extracting electronic patient data from veterinary practice records to investigate how core outcomes are recorded, and the usefulness of this data to inform treatment trials*

This study extracted anonymised patient records from veterinary practices to examine whether information on the feline CKD COS (see above) was already recorded in veterinary consultation notes, and whether this information could be extracted from the records to inform clinical trials. We hope this work will facilitate the use of existing patient data to inform clinical trials, so that patients and veterinary practices can contribute to research and more can be discovered about how patients respond to treatments.

Research supervisors:

Dr Marnie Brennan, Dr Marco Duz, Dr Richard Emes, Dr Rachel Dean (collaborator)

Primary funding source:

Centre for Evidence-based Veterinary Medicine & School of Veterinary Medicine and Science

Publications:

- Brennan ML, Arlt SP, Belshaw Z, Buckley L, Corah L, Doit H, Fajt VR, Grindlay DJC, Moberly HK, Morrow LD, Stavisky J, White C (2020) Critically Appraised Topics (CATs) in Veterinary Medicine: Applying Evidence in Clinical Practice *Frontiers in Veterinary Science* **7**
- Wareham K, Doit H (2017) Robenacoxib for acute musculoskeletal pain control in cats *Veterinary Record* **180**, 381-383
- Doit H, Dean R (2017) Is Christmas eve the busiest day in practice? *Veterinary Record* **181**, 687-688
- Jones-Diette JS, Brennan ML, Cobb M, Doit H, Dean RS (2016) A method for extracting electronic patient record data from practice management software systems used in veterinary practice. *BMC Vet Research* **12(1)**:239
- Doit H, Wareham K (2016) Can you reduce the dose of meloxicam in dogs with osteoarthritis? *Veterinary Record* **179**, 600-601
- Doit H, Robinson N (2016) The use of PRID-Delta versus CIDR in dairy cattle and subsequent pregnancy rate with artificial insemination *Veterinary Record* **179**, 601