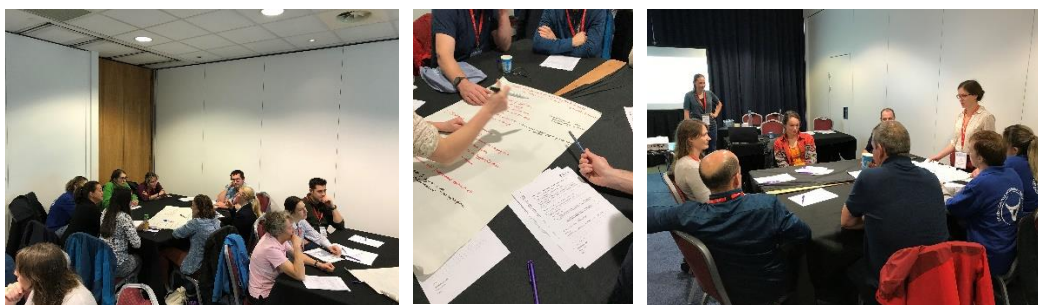


CEVM Newsletter, Issue 39, 30th November 2023

Welcome to the latest newsletter from the
Centre for Evidence-based Veterinary Medicine (CEVM)

www.nottingham.ac.uk/cevm



Please forward this e-mail on to any colleagues who you think may be interested — they can sign up for future newsletters using our mailing list: <https://www.nottingham.ac.uk/cevm/contact-us/mailling-list.aspx>

Coming up in this issue:

- News and updates
- Presentations
- Recent publications and outputs
- Spotlight piece
- Latest BestBETs and systematic reviews from VetSRev

News and updates:

GRADE veterinary group

On the 7th September, Marnie and Karolina travelled down to a meeting held by the GRADE group in London. GRADE stands for the Grading of Recommendations Assessment, Development and Evaluation. GRADE's main focus is developing approaches for grading the quality or certainty of

evidence for use in human healthcare (<https://www.gradeworkinggroup.org/>). Thanks to Karolina's fantastic efforts leading the initiative, a GRADE veterinary group has been recently developed and accepted. Many thanks to GRADE for welcoming us into their group, there is much to learn from them!

Seeing Double – Dual cohort of final year students at Nottingham Vet School

The University of Nottingham School of Veterinary Medicine and Science created a UK first in 2019 by starting a dual intake system for vet students. One cohort of 150 students start in September, and another 150 students start in April each year. The first ever April cohort students started in April 2020, and notably were among the first students in the UK to go back on campus in July 2020 during the COVID pandemic. They have started their final year, meaning from April 2024 there will be two cohorts running across all year groups of veterinary students at Nottingham. To achieve this has taken a fantastic effort in innovation, co-ordination and organisation by all the teaching staff at Nottingham. For more information on the dual intake, see here

<https://www.nottingham.ac.uk/vet/study-with-us/undergraduate/dual-intake.aspx>

Presentations:

British Cattle Veterinary Association Congress – 19th-21st October 2023

In October was the annual BCVA congress, featuring a large number of speakers from the University of Nottingham, including Rosie Reyneke and Marnie Brennan from CEVM. Rosie presented on the first year of her PhD work – exploring existing uses of theories, models and frameworks to improve the uptake of evidence-based practices. Her presentation was well received and generated lots of encouraging and supportive feedback. Alongside this Rosie and Marnie co-presented a workshop exploring practical applications of these theory-based approaches, which featured some great discussions and was highly valuable for all involved (see pictures above). Marnie also stepped in for fellow CEVM team member Abi Collinson to present on her work around farmer and veterinarian perspectives in relation to bovine tuberculosis prevention and policy considerations. This was a fantastic presentation on a topic that is high on the agenda for so many vets and farmers in the UK.

Recent publications and outputs:

Downs, J, Zoltowska, A, Hackney, T, Gardner, DS, Ashmore, A and Brennan, ML (2023) **Exploring the evidence base on Vitis vinifera toxicity in dogs after ingestion - clinical effects, treatments and management practices: A scoping review protocol**. SYREAF, <https://syreaf.org/protocols/>

- This protocol outlines a planned scoping review that seeks to map out the existing research base around Vitis vinifera (grape) toxicity in dogs.

Fausak, E, Funaro, M, Kepsel, A, Eldermire, E, Foster, M, Norton, H, Mears, K, Crews, M, Brennan, ML, Currie, G, LaFollette, M, O'Connor, A, Smith, A, Wever, K, and Fricke, S (2023) **Systematic reviews of animal studies – Report of an international symposium**. Veterinary Evidence, 8(3). <https://doi.org/10.18849/ve.v8i3.653>

- This paper details the outcomes of an international symposium that aimed to bring organisations that work on animal literature searching and systematic reviews, across pre-clinical, veterinary and One Health settings into the same virtual space.

Gibson, J, Brennan, ML, Oxtoby, C, Mossop, L, White, K. **Ethical challenges experienced by veterinary practitioners in relation to adverse events: Insights from a qualitative study**. *Vet Rec.* 2023;e3601. <https://doi-org.nottingham.idm.oclc.org/10.1002/vetr.3601>

- In this paper, the authors sought to better understand UK veterinary practitioners' experiences of ethical challenges in relation to adverse events through the use of focus groups and interviews.

Grant, N, Buchanan, H and Brennan, ML (2023) **Factors within a veterinarian-cattle farmer relationship that may impact on biosecurity being carried out on farms: An exploratory study.**

Veterinary Sciences, 10:410, <https://doi.org/10.3390/vetsci10070410>

- Through the use of interviews with both cattle farmers and large animal veterinarians, the authors explore what factors in the vet-farmers relationship can influence biosecurity practices on cattle farms in England.

Spotlight on our research: Rosie Reyneke – second year PhD student



Having come from a background of clinical veterinary practice, industry and academia, I started my PhD with the CEVM in October 2021, working with Marnie Brennan and Imogen Richens, as well as two supervisors from the School of Medicine. Following a year out for maternity leave, I am now embarking on the second year of my project, looking at the usage of frameworks to improve the uptake of evidence-based practices on production animal farms.

My research is focused on an approach that is relatively unexplored in a veterinary context, therefore the first year of my PhD was chiefly concerned with mapping out the existing knowledge base within veterinary medicine as well as from human healthcare – where there is the largest body of research around this approach. I conducted a scoping review (<https://doi.org/10.1016/j.prevetmed.2023.105928>) which highlighted there was a significant gap in the usage of frameworks to inform uptake of evidence-based practices in veterinary medicine.

This has then led me onto the second year of my project. Over the next few months, I will utilise a variety of approaches including further literature reviews and stakeholder consultations to inform which frameworks/ constructs are most relevant to the farm context, as well as how they might best be utilised to promote uptake of preventive medicine practices on ruminant farms. This will enable me to then run a small pilot trial using existing frameworks with vets and farmers to address challenges of implementation of preventive medicine practices. These pilot trials will seek to demonstrate the value of the approach, as well as to inform what aspects are particularly important, and which are less so. Following on from this, the final year of my PhD intends to combine these learnings to develop a novel veterinary specific framework that can be utilised to effectively improve the uptake of preventive medicine practices on ruminant farms.

Latest BestBETs for Vets:

- In rabbits does an endotracheal tube or V-gel result in better controlled ventilation?
<https://www.bestbetsforvets.org/bet/586>
 - Bottom Line:
 - “Based on the evidence available at the present time, it is difficult to conclude that use of either a V-gel or an endotracheal tube results in better airway

management under controlled ventilation conditions in rabbits undergoing general anaesthesia.”

VetSRev:

VetSRev is a free database of systemic reviews relevant to veterinary medicine and science with new reviews added each month. The database can be found here: <https://vetsrev.nottingham.ac.uk/>. We have over 3100 citations on our site now, and more will be added very soon.

Systematic reviews which may be of interest to you:

- Nielsen, S. S., & Toft, N. (2008). **Ante mortem diagnosis of paratuberculosis: a review of accuracies of ELISA, interferon-gamma assay and faecal culture techniques.** *Veterinary Microbiology*, 129(3-4), 217–235. <https://doi.org/10.1016/j.vetmic.2007.12.011>
- Doekes, H. P., Bijma, P., & Windig, J. J. (2021). **How Depressing Is Inbreeding? A Meta-Analysis of 30 Years of Research on the Effects of Inbreeding in Livestock.** *Genes (Basel)*, 12(6). <https://doi.org/10.3390/genes12060926>
- Hsu, S. M., Chen, T. H., & Wang, C. H. (2010). **Efficacy of avian influenza vaccine in poultry: a meta-analysis.** *Avian Diseases*, 54(4), 1197–1209. <https://doi.org/10.1637/9305-031710-Reg.1>

If you want to know more about VetSRev, have a look at our helpful guides 'About VetSRev' (<https://vetsrev.nottingham.ac.uk/About-VetSRev.pdf>) and 'Getting Started with VetSRev' (<https://vetsrev.nottingham.ac.uk/Getting-started-with-VetSRev.pdf>).

And finally:

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