

CEVM Newsletter, Issue 43, 28 January 2025

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

www.nottingham.ac.uk/cevm



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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:

Survey on vets' decision making in cases of grape ingestion

As part of Josh's PhD project into grape toxicity in dogs, he has developed a survey which focuses on how vets approach cases of grapes and grape product ingestion. The aim of the survey is to gain a better understanding of the factors that affect decision making when vets are presented with cases of grape ingestion.

If you are a vet working in a UK clinical practice that treats dogs (this includes small animal practice as well as mixed practice), and you have 10 minutes to spare, the survey can be found here: <https://app.onlinesurveys.jisc.ac.uk/s/nottingham/grapetoxicitysurvey>. Many thanks for your assistance!

Presentations:

It has been a busy few months, with CEVM team members presenting at a variety of conferences all around the world:

Global Evidence Summit - Prague, Czech Republic. 10th-13th September 2024

As part of the Scandinavian GRADE network meeting at the Global Evidence Summit, Karolina Scahill gave a presentation about her working group "GRADE for veterinary medicine".

GRADE (Grading of Recommendations, Assessment, Development and Evaluations) is a widely used tool for grading the quality of evidence and making recommendations. It is a transparent framework for developing and presenting summaries of evidence and provides a systematic approach for making clinical practice recommendations. See <https://bestpractice.bmj.com/info/us/toolkit/learn-ebm/what-is-grade/> for further information.

International Society for Companion Animal Infectious Disease (ISCAID) Symposium 2024 – Vancouver, Canada. 14-16th October 2024

Karolina Scahill presented twice at the ISCAID symposium. Her talks were entitled "Update on UTI management and the next version of the ISCAID urinary guidelines" and "Evidence synthesis and guideline development". She also took part in a panel discussion exploring strategies to advance companion animal antimicrobial stewardship.

British Cattle Veterinary Association Congress (BCVA) – Newport, Wales, 17th -19th October 2024

Rosie Reyneke presented on a component of her work – “Making research relevant – the benefits of stakeholder consultation”.

International Conference on Communication in Veterinary Medicine, Niagra on the Lake, Canada. 6th – 9th November

Mickey McDermott (CEVM alumnus) presented some preliminary findings from the work that he and Louise Corah are doing into pet directed speech – “Talking to the animals: Pet directed speech and it’s relevance”.

International Symposium on Veterinary Epidemiology and Economics (ISVEE) – Sydney, Australia. 11-15th November 2024.

As mentioned in the last newsletter, Josh, Lisa and Marnie (on behalf of Rosie Reyneke and Natasha Basham) presented posters. Marnie also did two oral presentations (on behalf of Abigail Collinson and Rosie Reyneke) and Lisa and Marnie spoke as part of a special session on “Teaching veterinary epidemiology – integration or disguise?”.

Recent publications and outputs:

Gibson J, Oxtoby C, Brennan ML, White K (2024) **Understanding veterinary practitioners’ responses to adverse events using a combined grounded theory and netnographic natural language processing approach**. PLOS ONE 19(12): e0314081. <https://doi.org/10.1371/journal.pone.0314081>

- In this study the authors used a mixed methods approach to understand veterinary practitioners response to adverse events. They found that adverse events have an emotionally detrimental impact and that peer-to-peer mediated reflection and learning plays a role in mitigating pathologisation of responses in the aftermath of adverse events. There was also discordance in findings related to practitioners’ intentions and expressions of honesty, suggesting that work is needed to normalise open discussion about adverse events.

Gibson J, White K, Mossop L, Brennan ML. **Factors influencing the nature of client complaint behaviour in the aftermath of adverse events**. *Vet Rec.* 2024; e4966. [https://doi-org.nottingham.idm.oclc.org/10.1002/vetr.4966](https://doi.org/nottingham.idm.oclc.org/10.1002/vetr.4966)

- Here, the authors used semi-structured interviews and content analysis of adverse event mediation cases to explore motivations for client complaint behaviour. They found a wide range of motivations and desired outcomes, with previous complaint experience being an influencing factor.

Moya, S., Espluga-Trenc, J., & Enticott, G. (2024). **‘Implementation of bio...what?’ Farm workers’ subjectivities in Spanish dairy cattle farms through an ethnographic approach**. *Preventive Veterinary Medicine*, 235, 106407. <https://doi.org/10.1016/j.prevetmed.2024.106407>

- This study used an ethnographic approach to explore the implementation of biosecurity measures by farm workers on dairy farms in Spain. They found that implementation of practices varied and was influenced by social factors. They conclude that in order to improve the implementation of biosecurity measures on dairy cattle farms, it is necessary to consider workers as key stakeholders in biosecurity.

Piggott T., Leontiadis G.I., Herrmann, A., Scahill K.A., Antó J.M., Sherman J.D., Alonso-Coello P., Neumann I., Schünemann, H., Miller F.A. (2024). "We're living through a planetary health crisis: health guidelines must consider planetary health." *The Lancet Planetary Health* 8(12): e979-e980. [10.1016/S2542-5196\(24\)00300-0](https://doi.org/10.1016/S2542-5196(24)00300-0)

- This commentary calls for health guidelines and other health-decision making paradigms to branch out from predominantly human health-centric outcomes, and instead to also consider planetary health. A GRADE Planetary Health project group was convened in April 2023 and have identified six main challenges for considering planetary health in health guidelines and technology assessments. They are actively working to improve consideration of the impact on the planet through engagement of the guideline and planetary health fields.

Spotlight on our research: Joshua Downs – second year PhD student

After graduating from the first part of my veterinary medicine degree at the University of Nottingham's School of Veterinary Medicine, I was fortunate enough to start a Masters project with the CEVM in February of 2023. Working with Marnie Brennan and three other supervisors in the School of Veterinary Medicine, my project is on grape/raisin toxicity in dogs with a particular focus on supporting an evidence-based approach to this often sporadic disease. Towards the end of 2023, I applied for further funding, giving me the opportunity to convert the Masters into a three year PhD.



The project has already produced some useful results, with a scoping review (<https://doi.org/10.1002/vetr.4536>) of published literature on grape/raisin toxicity finding multiple gaps in the evidence base. These included unknown treatment efficacy along with potential treatment variation. Possibly underexplored factors such as type of grape/raisin in the prognosis of cases was also noted. The remainder of the PhD will hopefully help address some of these gaps.

My other work has included exploring data from the Veterinary Poisons Information Service (VPIS) database, with a particular focus on comparing grape ingestion cases and raisin ingestion cases. Some preliminary results were presented in poster format at the 17th International Symposium on Veterinary Epidemiology and Economics (ISVEE) held in Sydney late last year.

At the moment, I am looking at exploring factors that affect decision making when vets are presented with cases of grape/raisin ingestion, with survey which focuses on how vets approach cases of grape/raisin ingestion currently live. If you are a vet working in a UK clinical practice that treats dogs (this includes small animal practice as well as mixed practice), and you have 10 minutes to spare, I would be hugely grateful for your time! The survey can be found here: <https://app.onlinesurveys.jisc.ac.uk/s/nottingham/grapetoxicitysurvey>.

Latest BestBETs for Vets:

Use of diet in the management of acute non-complicated diarrhoea.

<https://www.bestbetsforvets.org/bet/595>

- In dogs with acute non-complicated diarrhoea does feeding a gastrointestinal (GI) diet compared to no diet change improve resolution of clinical signs?
 - Bottom line: "There is no peer-reviewed evidence to suggest that treating a dog with acute, non-complicated diarrhoea with a gastrointestinal diet alone will improve resolution of clinical signs. Therefore, the choice of approach should be based on veterinarian preference, discussion of the risks and benefits with clients and individual practice guidelines, if they are available."

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:

- Deddefo, A., Mamo, G., Leta, S., & Amenu, K. (2022). **Prevalence and molecular characteristics of Staphylococcus aureus in raw milk and milk products in Ethiopia: a systematic review and meta-analysis.** *International Journal of Food Contamination*, 9(8). <https://doi.org/10.1186/s40550-022-00094-5>
- Tomlinson, F., Terschuur, J., & Henson, F. (2021). **Use of autologous products for the treatment of joint and soft tissue disease in horses: A systematic review.** *Vet Rec*, 188(2), e9. <https://doi.org/10.1002/vetr.9>
- Muñoz, C. C., Hendriks, A. J., Ragas, A. M. J., & Vermeiren, P. (2021). **Internal and Maternal Distribution of Persistent Organic Pollutants in Sea Turtle Tissues: A Meta-Analysis.** *Environ Sci Technol*, 55(14), 10012–10024. <https://doi.org/10.1021/acs.est.1c02845>

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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