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: **http://lists.nottingham.ac.uk/mailman/listinfo/cevm-mailing-list**

Coming up in this issue:

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

News and updates:

Happy New Year!

Happy New Year to you all! We hope that your year has started off well. The picture above is of our team get together before Christmas, including a couple of smaller future CEVM team members!

Congratulations!

Congratulations to Abigail Collinson who successfully defended her PhD viva in November! Abi's project was initially focused on looking at the evidence base behind the role of surgical sterilisation in rabies control programmes. Latterly, she has carried out some prioritisation and stakeholder engagement work to identify key questions that are important in determining the successful outcomes of dog population management programmes, and the various barriers that might exist to achieving success in these programmes. We are all super proud of her (and thanks Freya for the amazing cake – what talent!)

New team members

We have a number of new team members who will be joining us over the coming months. Watch out for more information about them very soon!

Presentations:

In October, Louise Corah was invited to speak to the European Medical Writers Association veterinary special interest group during their quarterly writers group meeting. She presented about shared decision making in veterinary medicine and more about the research she did during her PhD. Her presentation was very well received and generated lots of questions.

Up and coming meetings:

Marnie is attending a meeting in March held by the ENOVAT (European Network for Optimization of Veterinary Antimicrobial Treatment; https://enovat.eu/) COST action group as part of her involvement in the creation of evidence-based guidelines for a number of conditions for veterinary clinical practice (Working Group 4).

Recent publications and outputs:

Chomyn, O, Wapenaar, W, Richens, IF, Reyneke, RA, Shortall, O, Kaler, J, and Brennan, ML (2023) **Assessment of a joint farmer-veterinarian discussion about biosecurity using novel social interaction analyses**. Prev Vet Med, 212: https://doi.org/10.1016/j.prevetmed.2022.105831

- This article uses techniques from conversation analyses to take a new look at how stakeholders (in this case, vets and farmers) interact with each other, with a view to this approach leading to new insights into improved shared decision making around implementation of biosecurity on cattle farms.

Finka, LR, Ripari, L, Quinlan, L, Haywood, C, Puzzo, J, Jordan, A, Tsui, J, Foreman-Worsley, R, Dixon, L and Brennan, ML (2022) **Investigation of humans individual differences as predictors of their animal interaction styles, focused on the domestic cat**. Sci Rep 12, 12128, https://doi.org/10.1038/s41598-022-15194-7

- This article looks at human styles in behaviour during interactions with cats and whether any particular factors, such as previous ownership, can predict the way these cat-human interactions occur.

Spotlight on our research: Joshua Downs

I am a third year (April cohort) vet student from the University of Nottingham. My passions include woodworking and real ale and I have previously been a part of the Real Ale and Cider Society committee. Having enjoyed my third-year research project, I decided to enrol on an intercalated Master's program. I will be starting my MRes in February, under the supervision of Agnieszka Zoltowska, David Gardner, Marnie Brennan, and Thomas Hackney.

The project will study grape toxicity in dogs, a fascinating subject due to the currently unknown toxic substance in/on the grapes and the lack of any signalment factors. We are hoping to add in analysis of clinical data alongside the findings from the review, with the aim of creating evidence that can help to inform clinical decision making around grape toxicity cases.

In preparation for the Master's, I undertook a research extra mural studies (EMS) placement with Marnie where we have worked on a BET about whether there is any significant difference between

dried grape and fresh grape ingestion when it comes to the occurrence of AKI in dogs. I found the placement very useful and learnt a lot about study design, along with getting a feel for working and being a part of the CEVM team.

Latest BestBETs for Vets:

- **Open versus semi-closed castration techniques in horses – which technique results in less complications?** https://www.bestbetsforvets.org/bet/584
  - Bottom Line:
    "At the present time, there is no comparative peer reviewed evidence that looks at the postoperative complications of open versus semi-closed castration techniques in horses. Therefore, choice of technique should be based on veterinarian preference, discussion of the risks and benefits with the client, as well as consideration of environmental and patient factors."
- **Ingestion of dried grapes (e.g. raisins, sultanas, and currants) versus fresh grapes and likelihood of toxicity leading to acute kidney injury in dogs. https://www.bestbetsforvets.org/bet/585**
  - Bottom Line:
    "Of the limited evidence currently available, there is little suggestion that ingestion of dried grapes (e.g. raisins, sultanas or currants) versus fresh grapes has a larger impact on the development of toxicity leading to acute kidney injury in dogs."

VetSRev:

VetSRev is a free database of systemic reviews relevant to veterinary medicine and science with new reviews added each month. In the last year or so the database has been offline and has undergone a complete renovation but is now back! The relaunched database can be found here: https://vetsrev.nottingham.ac.uk/ so please don't forget to update your links to the new site. We have over 2700 citations on our site now!

Systematic reviews that may be of interest to you:

- Haussler, K. K., Hesbach, A. L., Romano, L., Goff, L., & Bergh, A. (2021). **A Systematic Review of Musculoskeletal Mobilization and Manipulation Techniques Used in Veterinary Medicine**. Animals (Basel), 11(10). https://doi.org/10.3390/ani11102787
- Farrell, S., McKernan, C., Benson, T., Elliott, C., & Dean, M. (2021). **Understanding farmers' and veterinarians' behavior in relation to antimicrobial use and resistance in dairy cattle: A systematic review**. J Dairy Sci, 104(4), 4584–4603. https://doi.org/10.3168/jds.2020-19614
- Brainard, J., Hammer, C. C., Hunter, P. R., Hurle, G., Tyler, K., & Katzer, F. (2021). **Efficacy of halofuginone products to prevent or treat cryptosporidiosis in bovine calves: a systematic review and meta-analyses**. Parasitology, 148(4), 408–419. https://doi.org/10.1017/S0031182020002267

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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