

*CEVM Newsletter, Issue 42, 11th October 2024*

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

[www.nottingham.ac.uk/cevm](http://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:

### BestBETs for Vets reaches 100:

As you may know, BestBETs for Vets is a resource developed and run by the CEVM. Earlier this year, we reached an important milestone with our BestBETs for Vets resource (<https://bestbetsforvets.org/>). We published our 100<sup>th</sup> BestBET (Best Evidence Topic), which is a fantastic achievement and represents a substantial amount of work from a relatively small but very dedicated team of people over the past 10 years. This includes both those currently working with us, as well as those who did the early work designing the methodology, developing the website and executing the initial research work. BestBETs started in 2014 and offers simple reviews of current best evidence to answer specific clinical questions. Although they may appear simple, many hours of work and careful consideration go on behind the scenes to make these short evidence summaries as objective and informative as possible for the veterinary professions (vets and nurses/technicians) that seek to use them. Thank you to the many who have contributed to the initiative over the years and made it the success it is today. We'd love to hear from you with any feedback you might have about BestBETs themselves or the BestBETs website if you haven't already been in touch. <https://app.onlinesurveys.jisc.ac.uk/s/nottingham/feedback-on-bestbets-for-vets>

### Presentations:

#### The Association of Veterinary Teaching and Research Work (AVTRW) conference:

On 12<sup>th</sup> September, Rosie took part in a panel discussion chaired by AHDB as part of the AVTRW conference. Discussions were around practical translation of research to meet farmers needs, and covered topics ranging from the value of engaging farmers in the initial planning of research, right through to integrating farmers in the design and development of actual products. Rosie was able to speak about her work looking into frameworks as a way to facilitate uptake of research findings, and there was good discussion around how these principles could be taught, and what value they could provide on farm.

### Future presentations:

#### British Cattle Veterinary Association Congress (BCVA) – Newport, Wales, 17<sup>th</sup>-19<sup>th</sup> October 2024

Rosie Reyneke will be talking about “Making research relevant – the value of stakeholder engagement” in a postgraduate presentation on the Friday afternoon.

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

A number of CEVM team members will be presenting their work at this three yearly international epidemiology conference.

- Joshua Downs will be presenting a poster entitled “Exploration of potential risk factors for Vitis vinifera fruit (VVF) toxicosis in dogs.”

- Lisa Morrow will be presenting a poster entitled “Descriptive analysis of VetSRev, a database of veterinary systematic reviews” as well as a special session on Wednesday (alongside Marnie Brennan) - ‘Teaching veterinary epidemiology – integration or disguise?’
- Marnie Brennan will be presenting a few times across the conference:
  - Monday (work conducted by Abigail Collinson): ‘Identification of influencing factors on the execution of on-farm measures to reduce the risk of bovine tuberculosis’
  - Tuesday:
    - Poster presentation (work conducted by Rosie Reyneke – see below for further information)
    - Poster presentation (work conducted by Natasha Basham) – ‘Development of frameworks for supporting vet professionals and animal owners to interpret and apply scientific evidence in clinical decision-making’
  - Wednesday: Special session (alongside Lisa Morrow) - ‘Teaching veterinary epidemiology – integration or disguise?’
  - Friday (work conducted by Rosie Reyneke) – ‘The untapped potential of implementation science in veterinary medicine – a scoping review’
- Rosie Reyneke has a poster entitled “Improving approaches to adoption of new practices – Implementing Implementation Science”. This will be supported by a short presentation on Tuesday afternoon that Marnie will do on Rosie’s behalf (see above).

The programme is available here if you are interested in finding out more information about the conference (<https://isvee17.com.au/program-2/>).

### Recent publications and outputs:

Downs J, Zoltowska A, Hackney T, Gardner DS, Ashmore A and Brennan ML. (2024) **Scoping review exploring the evidence base on *Vitis vinifera* toxicity in dogs after ingestion: Clinical effects, treatments and types of *V. vinifera*.** Vet Record, [doi.org/10.1002/vetr.4536](https://doi.org/10.1002/vetr.4536)

- In this scoping review, the authors sought to explore the scientific evidence regarding ingestion of *Vitis vinifera* (grapes/raisins) in dogs – specifically looking at type ingested, clinical signs and treatments given.

Jessen LR, Werner M, Singleton D, Prior C, Foroutan F, Ferran AA, Arenas C, Bjørnvad CR, Lavy E, Allerton F, Allensbach K, Guardabassi L, Unterer S, Bodnárová T, Windahl U, Brennan ML, Weese JS and Scahill K. (2024) **European Network for Optimization of Veterinary Antimicrobial Therapy (ENOVAT) guidelines for antimicrobial use in canine acute diarrhoea.** The Veterinary Journal, 307: 106208. <https://doi-org.nottingham.idm.oclc.org/10.1016/j.tvjl.2024.106208>

- This evidence-based guideline developed by a multidisciplinary panel and incorporating the opinions of stakeholders provides recommendations for antibiotic and probiotic treatment of canine acute diarrhoea. From these national or local guidance documents can then be drafted.

Piggott T, Raja M, Michels CTJ, Herrmann A, Scahill KA, Darzi AJ, Jewell L, Saif-Ur-Rahman KM, Napierala H, Heuer R, Morgan RL, Leontiadis GI, Neumann I, Schünemann H and Miller FA. (2024) **Considering planetary health in health guidelines and health technology assessments: a scoping review protocol.** *Syst. Rev.* 13(1):163. doi: 10.1186/s13643-024-02577-2.

- This protocol outlines a scoping review, following the JBI methodology, with the objective of identifying and exploring planetary health considerations within existing health guidelines and health technology assessments.

Damborg, P., Allerton, F., Bousquet-Mélou, A., Britt, C., Cagnardi, P., Carmo, L. P., Cvetkovikj, I., Erhard, M., Heuvelink, A., Jessen, L. R., Overesch, G., Pelligand, L., Gómez Raja, J., Scahill, K., Timofte, D., Vale, A. P., Veldman, K., & Broens, E. M. (2024). **ENOVAT: the European Network for Optimization of Veterinary Antimicrobial Treatment.** *Open research Europe*, 4, 170.

<https://doi.org/10.12688/openreseurope.18016.2>

- This white paper describes how the COST Action ENOVAT (the European Network for Optimization of Veterinary Antimicrobial Treatment, CA18217), comprising 332 persons from 51 countries, worked towards solutions to implementation of antimicrobial stewardship practices.

## Spotlight on our research:

### Dr Sebastian Moya – Research Fellow in Mixed Methods Research

Although it has only been a few months since I started my journey at CEVM, this time has been full of learning experiences. In addition to my role in the BIOSECURE project, I have been actively involved in writing and developing project proposals. However, this adventure is just another chapter in the story that I am still writing.

This story began after graduation when I became interested in animal-assisted therapies, which led me to pursue a Masters in psychosocial intervention and research with the aim of better understanding the users of these therapies. However, life took an unexpected turn when the opportunity arose to do a PhD on psychosocial issues related to the implementation of biosecurity measures under the supervision of Alberto Allepuz. This chapter, with its ups and downs, allowed me to make valuable friendships with farmers and veterinarians that I still maintain today.



At the end of this phase, I was lucky enough to join the EPIDESA team in Toulouse under the supervision of Mathilde Paul, where I not only acquired new technical skills, but also learnt the true value of teamwork and developed social skills that I had not expected. Later, while looking for a job that would inspire me, I completed a Diploma in applied sociological research techniques to deepen my sociological knowledge. It was during this time that I joined CEVM, thanks to Marnie Brennan and the BETTER project.

Today, as this new phase begins, I am excited about what lies ahead. Whether I continue to explore participatory approaches or start a whole new chapter, I look forward to discovering what the future holds.

## Latest BestBETs for Vets:

Is the use of local anaesthetic during canine castrations inhalational anaesthetic sparing?

<https://www.bestbetsforvets.org/bet/589>

- Bottom Line:
  - “In dogs undergoing castration, there is some evidence for the use of intratesticular local anaesthetic in combination with inhalation anaesthesia versus inhalational anaesthesia alone to reduce the amount of inhalational agent required.”

## 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:

- Niebauer GW, & Restucci B. (2023). **Etiopathogenesis of Canine Cruciate Ligament Disease: A Scoping Review**. *Animals : an Open Access Journal from MDPI*, 13(2). <https://doi.org/10.3390/ani13020187>
- Gandini M, Cerullo A, & Giusto G. (2022). **Scoping review: Occurrence and definitions of postoperative complications in equine colic surgery**. *Equine Veterinary Journal*. <https://doi.org/10.1111/evj.13881>
- Skovlund, C. R., Kirchner, M. K., Moos, L. W., Alsted, N., Manteca, X., Tallo-Parra, O., Stelvig, M., & Forkman, B. (2021). **A critical review of animal-based welfare indicators for polar bears (*Ursus maritimus*) in zoos: identification and evidence of validity**. *Animal Welfare*, 30(1), 1–18. <https://doi.org/10.7120/09627286.30.1.001>

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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