



CEVM Newsletter, Issue 44, 21st April 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:

Client behaviour following adverse events – research comment on Julie’s work

PhD student Julie Gibson published an excellent article at the end of last year exploring the factors that influence the nature of client complaint behaviour in the aftermath of adverse events ([doi: 10.1002/vetr.4966](https://doi.org/10.1002/vetr.4966)). This has since been followed on by a fascinating research commentary by Natasha Janke of the University of Guelph, also in the Veterinary Record ([doi: 10.1002/vetr.5349](https://doi.org/10.1002/vetr.5349)). The research comment provides an overview of Julie’s work, recognising it as “a valuable first step” and highlights the key findings and opportunities.

Presentations:

The CEVM team have again been busy sharing their expertise and talking about their work through a number of platforms:

In January, Karolina did an online presentation for CAAMS' (Companion Animal Antimicrobial Stewards) seminar series entitled “Regulatory Frameworks and Guidelines for Antimicrobial Use in Veterinary Medicine”. This is available to watch online - <https://vimeo.com/1053761882/e436fff807>

It was the 13th annual Shelter and Charity Veterinary Association (SCVA) conference on the 1st and 2nd of February at Harper and Keele Veterinary School. Lisa was heavily involved in the organisation of this, as well as running a workshop entitled “FeLV/FIV – a practical update” which was very well received.

At the EU-JAMRAI 2 (the second edition of the European Joint Action on Antimicrobial Resistance and Healthcare-Associated Infections) Annual Meeting (<https://eu-jamrai.eu/event/eu-jamrai-2-annual-meeting-2025/>) on the 12th and 13th of March 2025 in Bilbao, Basque Country, Spain, Karolina was the moderator for the antimicrobial stewardship program discussions.

On the 26th–28th of March at the annual conference of the Society for Veterinary Epidemiology and Preventive Medicine in Berlin, Germany, Sebastian presented a poster entitled ‘Through the eyes of researchers’: A thematic trajectory analysis of intervention programmes to improve biosecurity in livestock’.

Upcoming:

Rosie will be presenting a poster at the European Implementation Event 2025 in Newcastle, UK on 4th-6th June. The poster is entitled “Applying implementation at the micro level in animal health through empowerment of nonspecialists in implementation.”

Recent publications and outputs:

Tramuta-Drobnis E, Rey LM, Brennan ML, Cowles B, Crews ME, Fausak ED, Marcellin-Little DJ, Whitehead ML, Moberly HK. **Journal instructions to authors submitting veterinary systematic reviews are inconsistent and often inadequate.** Am J Vet Res. 2025 Jan 30;86(4):ajvr.24.10.0304. doi: 10.2460/ajvr.24.10.0304. PMID: 39892401.

- This paper surveyed academic journals to explore the presence and clarity of author instructions for submitting veterinary systematic reviews. They find significant variety in the presence of instructions, and what those instructions were. They concluded that greater clarity and consistency of author instructions and reporting requirements was needed, as well as increasing author awareness of the need to use reporting guidelines. This would lead to an improvement in the quality of veterinary systematic reviews.

Moya S, Lamont K, Brennan ML, Ciavarino G, Costa M, Allepuz A, Tamminen LM, Correia-Gomes C, De Carvalho Ferreira H, Dogusan MM, Imperial T, De Meneghi D, Kjosevski M, Chantziaras I, Burrell A. **Stakeholders' perspectives on communicating biosecurity to encourage behavior change in farmers.** Front Vet Sci. 2025 Mar 19;12:1562648. doi: 10.3389/fvets.2025.1562648. PMID: 40177679; PMCID: PMC11964111.

- Through the use of focus groups with researchers, and official services and industry people, this study sought to explore perspectives on the preferred communication methods between farmers and various on-farm stakeholders.

Spotlight on our research:

Research comment by the CEVM team - “Evidence-based veterinary medicine and quality improvement: ‘peas in a pod’ for improving patient care”

It can feel overwhelming in veterinary practice to continually reflect and learn in order to deliver care that is best suited to the needs of specific animals and their owners. There is a wealth of knowledge and ideas that have the potential to improve what we do and how we do it but being able to focus on what is relevant and beneficial and implement it effectively can be a challenge.

The CEVM team have a broad range of valuable expertise, including in quality improvement (QI), and evidence-based veterinary medicine (EBVM). Discussions within the team over time led to widespread recognition in the group not only of the value of these approaches individually, but significantly of the potential that could be achieved when these two processes are used alongside each other.

As a result, the team, led by Julie Gibson, set out to aid veterinary professionals to understand the relationship between QI and EBVM, and when and how they might use the approaches either individually or together. Through understanding this, it then helps to simplify and structure how veterinary professionals critically evaluate their work so that they drive changes in practice that are positive for all.

In a research commentary published in the Veterinary Record in March 2025, the team give an overview of EBVM and QI exploring how they can be used independently and together. They propose five practical steps to guide the use of EBVM and/or QI to facilitate improvements in veterinary patient care.

Full citation:

Gibson, J., Reyneke, R., Basham, N., Rooke, F., Morrow, L., Richens, I., Messina, D. and Brennan, M.L. (2025), Evidence-based veterinary medicine and quality improvement: ‘peas in a pod’ for improving patient care. Veterinary Record, 196: 267-270. [doi: 10.1002/vetr.5398](https://doi.org/10.1002/vetr.5398)

Latest BestBETs for Vets:

Chronic oral steroid use and risk of diabetes mellitus in cats

<https://bestbetsforvets.org/bet/593>

- In [cats at risk of developing diabetes mellitus] is [long-term use of oral steroid therapy] associated with [developing the disease]?
 - Bottom Line – “In cats undergoing long-term treatment with oral corticosteroids, there is weak evidence of an association with the development of diabetes mellitus. Nevertheless, the evidence does support monitoring for the potential development of diabetes mellitus in such cases.”

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:

- Mkwanazi, M. V., Ndlela, S. Z., & Chimonyo, M. (2021). **Indigenous knowledge to mitigate the challenges of ticks in goats: A systematic review.** *Vet Anim Sci*, 13, 100190. <https://doi.org/10.1016/j.vas.2021.100190>
- Fiorenza, E. A., Wendt, C. A., Dobkowski, K. A., King, T. L., Pappaionou, M., Rabinowitz, P., Samhoury, J. F., & Wood, C. L. (2020). **It’s a wormy world: Meta-analysis reveals several decades of change in the global abundance of the parasitic nematodes *Anisakis* spp. and *Pseudoterranova* spp. in marine fishes and**

invertebrates. *Glob Chang Biol*, 26(5), 2854–2866.

<https://doi.org/10.1111/gcb.15048>

- Monteiro, B. P., Otis, C., Del Castillo, J. R. E., Nitulescu, R., Brown, K., Arendt-Nielsen, L., & Troncy, E. (2020). **Quantitative sensory testing in feline osteoarthritic pain - a systematic review and meta-analysis**. *Osteoarthritis Cartilage*, 28(7), 885–896.
<https://doi.org/10.1016/j.joca.2020.04.006>

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>).

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