

*CEVM Newsletter, Issue 38, 4<sup>th</sup> August 2023*

**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:

### Quadruple congratulations!

Congratulations to Abigail Collinson, Natasha Basham and Freya Rooke (see pictured above with Marnie Brennan) who all graduated with their degrees at the University of Nottingham's graduation ceremony on the 19<sup>th</sup> of July. Congratulations also to Hannah Doit who also graduated in absentia.

We particularly commend them on their resilience and dedication in relation to completing research components involving working with external stakeholders during the COVID pandemic; not an easy task whilst the world was in crisis.

We are all very proud of the things they have achieved and wish them well in the future!

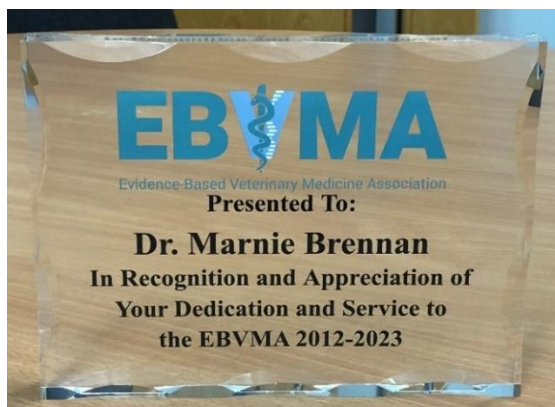
### Vets in the Community at the PraxisAuril conference

Congratulations to Kerry Williams and Jenny Stavisky who were part of a presenter panel and led a discussion group focused on student knowledge exchange at the PraxisAuril conference (organisation focused on Knowledge Exchange excellence; <https://www.praxisauril.org.uk/praxisauril-annual-conference>) about the Vets in the Community clinic.

There was a lot of interest from delegates, with individuals from schools of art, music, STEM subjects and human health from Universities within the UK and internationally, interested to learn more about the success of the initiative and to marvel at the dedication of the ViC student group for their fundraising efforts.

### Thanks to Marnie Brennan from the EBVMA

Marnie Brennan has been recognised for her work for the Evidence-Based Veterinary Medicine Association. She has served on the Board of Directors as Regional Director for the International area since 2012 and received a plaque in recognition of her services. She will miss working with her EBVMA colleagues but is confident that her replacement, Martin Whitehead, will do a superb job!



## Presentations:

### Up and coming meetings:

#### *BCVA Congress:*

Two researchers from the CEVM will be presenting at the BCVA Congress from the 19 – 21st October 2023 at the Telford International Centre in Telford, UK.

Rosie Reyneke will be giving a presentation and running a workshop. Her presentation is at 3pm on Thursday 19<sup>th</sup> and is entitled “From ‘knowing’ to ‘doing’ – Is veterinary medicine currently utilising the potential offered by the field of implementation science?”. The workshop will be held on Friday 20<sup>th</sup> October between 9am and 10:30am and is entitled “Bridging the gap – Thinking big picture to improve the effectiveness of your veterinary services”. Both sessions will be based around the work Rosie has been doing during her PhD looking at how implementation science approaches could be utilised for production animal issues.

Abigail Collinson is also giving a presentation around the work she has been doing as a research assistant looking at both farmer and veterinarian perspectives in relation to bovine tuberculosis prevention and policy considerations as part of the bovine Tuberculosis Advisory Service (TBAS) visits. Her presentation will be 2:30pm on Friday 20<sup>th</sup> October and is entitled “I know prevention is better than the cure, but...”: Barriers and facilitators to implementing on-farm measures to reduce the risk of bovine tuberculosis.

## Recent publications and outputs:

MacGillivray, F, Bard, AM, Cobb, KA, Corah, L, Reyher, KK, Green, MJ and Wapenaar, W (2023) **Communicating without words: Measuring nonverbal communication between veterinarians and farmers during routine herd health consultations.** Journal of Dairy Science, 106: 5452-5467, <https://doi.org/10.3168/jds.2022-22479>

This paper focused on the uptake of advice in relation to nonverbal communication and the how this impacts on facilitating on-farm change.

Reyneke, RA, Richens, IF, Buchanan, H, Davies, EB, Sorrell, C, Ashmore, A and Brennan, ML (2023) **The use of theories, models, and frameworks to inform the uptake of evidence-based practices in veterinary medicine - a scoping review.** Preventive Veterinary Medicine, 216: 105928, <https://doi.org/10.1016/j.prevetmed.2023.105928>

This paper used a scoping review methodology to look at the various theories, models and frameworks used in veterinary medicine that could be used to help facilitate the uptake of evidence-based practices.

Lightfoot, KL, Frost, E, Burford, JH, England, GCW, Freeman, SL (2023) **Use of human behaviour change models to investigate horse owner intention to adopt emergency colic recommendations.** Equine Veterinary Journal, <https://doi.org/10.1111/evj.13955>.

This paper explores knowledge transfer and behaviour change in the equine industry.

### Spotlight on our research: Karolina Scahill



I have been working as an internal medicine clinician for thirteen years and work at a private referral hospital (Evidensia Södra Djursjukhuset) in Sweden where I'm the director of research and education. I also work with quality improvement, education and antimicrobial in the Stockholm region that spans an additional thirteen general practices. I hold a MSc degree in infectious disease from the University of Edinburgh where I've been undertaking a part-time PhD in infectious disease since 2020.

My research focuses on antimicrobial stewardship, which led to my involvement in the European Network for Optimization of Veterinary Antimicrobial Treatment (ENOVAT; <https://enovat.eu/>) COST Action where I contribute towards the development of evidence-based antimicrobial treatment guidelines in several animal species together with Marnie Brennan. By doing so, my research has steered into the wonderful area of evidence-based medicine and methodology, and I feel very fortunate and grateful that Marnie has agreed to become a supervisor for my PhD. We have adopted the Grading of Recommendations Assessment, Development and Evaluation (GRADE) methodology for our guidelines and I have become an active member of the GRADE network where the intention is to establish a sub-project group in veterinary medicine. I also participate in a FAO antimicrobial guideline project in Southeast Asia.

I divide my time between central Stockholm and a rural 18<sup>th</sup> century house on an island called Öland with my husband Joen and dog Gretchen. In my free time I like to read (classics and crime), cook (vegetarian), travel (by train), visit museums (love Old Flemish Masters) and do gardening (novice level).

### Latest BestBETs for Vets:

- **Can light be used to improve the detection of Oregon disease (Deep Pectoral Myopathy) in turkey carcasses as opposed to post-mortem inspection alone?**  
<https://www.bestbetsforvets.org/bet/588>
  - Bottom Line:  
"There is currently no peer-reviewed evidence identifying whether using exposure to light followed by post-mortem inspection versus post-mortem alone during inspection of turkey carcasses results in more accurate disease screening for Oregon disease."

### 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 undergone a complete renovation

and new references are being assessed for inclusion on the site. 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, and more will be added very soon.

Systematic reviews which may be of interest to you:

- Huertas-López, A., Álvarez-García, G., Sánchez-Sánchez, F., Cantos-Barreda, A., Ibáñez-López, F. J., Martínez-Subiela, S., Cerón, J. J., & Martínez-Carrasco, C. (2023). **A systematic review and meta-analysis of the serological diagnosis of *Toxoplasma gondii* infection highlight the lack of a One Health integrative research.** *Research in Veterinary Science*, 155, 137–149. <https://doi.org/10.1016/j.rvsc.2023.01.005>
- Fletcher, K. A., Limon, G., Whatford, L. J., Grist, A., Knowles, T. G., & Gibson, T. J. (2022). **A systematic review of equid welfare at slaughter.** *Livestock Science*, 263. <https://doi.org/10.1016/j.livsci.2022.104988>

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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