HAPPY NEW YEAR!!!

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

- Conference presentations

- Recent publications and outputs

- Spotlight on our research

- Latest BestBETs and systematic reviews from VetSRev

News and updates:

10 years of the CEVM

In March 2020, it was formally 10 years since the inception of the Centre for Evidence-Based Veterinary Medicine (if you can believe that!). We have had a number of activities, events and press releases across 2020 and 2021 (COVID-19 has postponed some of our plans) to mark the occasion, culminating in 2 online presentations and the release of our 10 year report just before Christmas: https://www.nottingham.ac.uk/cevm/documents/cevm-10-year-report-final.pdf. We would like to thank our amazing team who have worked tirelessly to achieve great things over the time (you can see them all in this quarter's newsletter photo), and also our collaborators and supporters (you!) who graciously continue to give their time and support to our projects, and who we feel privileged to work with. We hope you enjoy reading our report and we look forward to continuing to work with you in the future – here's to another 10 years!

VetSRev is back!

VetSRev, our database of veterinary systematic reviews relevant to veterinary medicine and science is back online in a new format – hurrah!!! Please see more information later in the newsletter about how to access our new site.

Association of Charity Vets conference

The Association of Charity Vets conference is being held at Nottingham Vet School on 5th - 6th February 2022. Aimed at vets, nurses and students who have involvment/interest in charity medicine, the conference will include discussions on a variety of topics including lectures and workshops from Sarah Heath and Sue Paterson. More infomation found here: https://www.associationofcharityvets.org.uk/

Conference presentations:

- Marnie Brennan gave an online evening presentation to the Veterinary Glasgow Evidence-Based Medicine Society (VetGEMS) for the University of Glasgow on the 2nd December about how to critically appraise research articles. VetGEMS is a student group who are focused on promoting evidence-based decision making and careers in research for veterinary and bioveterinary students. They are an inspiring group who are working tirelessly to help vet students gain valuable experiences and research skills, and to expand their professional networks in order to create future opportunities. More information about them can be found here: https://www.gla.ac.uk/schools/vet/inspire/vetgems/#. The CEVM team hopes to get another opportunity to work with VetGEMS again in the future!

- As part of the 10 year celebration of the CEVM, we hosted 'The Evidence Sessions' just before Christmas. These were two online presentations reflecting on the role of EBVM in clinical practice and research, the achievements and challenges faced by our profession and what our future might look like. Dr Rachel Dean and colleagues from Vet Partners lead the presentation on clinical practice, and Dr Marnie Brennan lead the presentation on clinical research. We are hoping to upload these presentations onto our website soon so you can catch them if you weren't able to at the time.

Recent publications and outputs:

- Palczynski, L.J.; Bleach, E.C.L.; Brennan, M.L.; Robinson, P.A. Stakeholder Perceptions of Disease Management for Dairy Calves: "It's Just Little Things That Make Such a Big Difference". *Animals* **2021**, *11*, 2829. https://doi.org/10.3390/ani11102829

- Rooke, F, Burford, J, Doorly, A, Gush, C, Brennan, ML. Developing consensus for definitions of key veterinary-specific quality improvement (QI) terms using an eDelphi-study method. *Vet Rec.* 2021;e1174. https://doi.org/10.1002/vetr.1174

 Spotlight on our research: Rosemary Reyneke

Following graduation from the University of Edinburgh in 2009, my career has taken me from starting out as a clinical vet in mixed practice in the UK and then New Zealand, to joining the pharmaceutical industry as a veterinary technical advisor and most recently as a Teaching Associate at the School of Veterinary Medicine and Science, University of Nottingham.

I have a real passion for promoting the uptake of evidence-based knowledge on farm to improve productivity and welfare and also have broad experience of how challenging this can be! As a profession and as an industry we have spent decades attempting to improve on farm practices by the traditional approach of "knowledge relay", and it is clear that this approach alone is not sufficient. Recognising this, in my time teaching at the University of Nottingham, I introduced two seminars to the final year farm curriculum, exploring approaches to communicating on farm (including farmer perspectives, motivations and learning styles) and an introduction to Motivational Interviewing.

In October 2021 I started a full time PhD with the CEVM under the supervision of Dr. Marnie Brennan. My project is entitled "Developing frameworks for implementation of preventive medicine practices in production animal settings".

Many of the animal health challenges faced on production animal farms are preventable. Decades of research have provided a wide range of proven, evidence-based practices to reduce the prevalence of preventable disease, and yet both vets and farmers struggle to ensure these practices are implemented on farm. This pattern is not just confined to veterinary medicine and has been well recognized as a challenge in human healthcare too. A couple of decades ago this led to the emergence of the field of 'implementation science' - which uses specific strategies to promote uptake of evidence-based practices. My project seeks to test the application of existing implementation science approaches on farm, working with vets and farmers to understand the barriers and facilitators to adoption of preventive practices and using these to guide implementation. Based on these learnings, we aim to develop a bespoke veterinary-specific implementation framework to facilitate uptake of preventive practices on farm.

I have greatly enjoyed being welcomed into the CEVM team and look forward to getting involved over the next few years!

Latest BestBETs for Vets:

- Clopidogrel versus clopidogrel plus aspirin in feline hypertrophic cardiomyopathy https://www.bestbetsforvets.org/bet/544
- Age at neutering and risk of mammary tumours in dogs (republished with new evidence added) https://bestbetsforvets.org/bet/579

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 just over 2700 citations on our site now!

Recent systematic reviews that may be of interest to you:

- Sheedy, DB, Samah, FE, Garzon, A, Fausak, E, Van Noord, M, Angelos, JA, Maier, GU (2021) Non-antimicrobial approaches for the prevention or treatment of infectious bovine keratoconjunctivitis in cattle applicable to cow-calf operations: A scoping review. Animal, 15: 100245.
- Slob, N, Catal, C and Kassahun, A (2021) Application of machine learning to improve dairy farm management: A systematic literature review. Preventive Veterinary Medicine, 187: 105237.
- Roberts, C, Armson, B, Bartram, D, Belshaw, Z, Capon, H, Cherry, G, Gonzalez-Villeta, L, McIntyre, SL, Odeyemi, I and Cook, AJC (2021) Construction of a conceptual framework for assessment of health-related quality of life in dogs with osteoarthritis. Frontiers in Veterinary Science, 8: 741864.

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:

We would love to receive your input on what content you would like to see in our newsletter, on our Facebook page or our Twitter account. Let us know by email or on one of our social media pages.

Website: https://www.nottingham.ac.uk/cevm/index.aspx

Twitter: https://twitter.com/CEVetM

Facebook: https://www.facebook.com/CEVetM/