



CENTRE FOR EVIDENCE-BASED
VETERINARY MEDICINE
Putting research into practice

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](#).

Coming up in this Newsletter...

- Up to date news from the team
- Latest publications and BestBETs
- VetSRev update
- Spotlight on Anne Aworinde and Guy Davies; our clinical pathology residents

News



Abi presents research in Nepal

Abi Collinson presented an abstract entitled “The Role of Sterilisation in Rabies Control Programs: A Systematic Review of Impacts and Outcome” in December at the 10th Asia for Animals conference in Kathmandu, Nepal. The theme of the conference was “Changing Human Behaviour” and was focused on improving the welfare of animals in Asia. She also spent a week with HART (Himalayan Animal Rescue Trust), an organisation which works to improve animal welfare in Nepal. They have two clinic bases in Pokhara and Bharatpur but also carry out mobile mass sterilisation and rabies vaccination camps and education campaigns all over Nepal. They

have been working since 2010 and have collected a huge amount of data since then, which Abi will be working with in the later stages of her PhD. The picture on the right shows some street dogs in Kathmandu.

Zoe Belshaw pioneers new column in Veterinary Record

Following on from Zoe’s PhD which examined decision making in canine osteoarthritis, a new column has been created in the Veterinary Record which aims to give an insight into a client’s perspective. The column is published monthly and all the articles are free to access. Why not have a read and find out what it is like for the client to [own a dog with behavioural problems](#) or [care for a cat with chronic kidney disease](#).

Italian Buiatrics

Marnie was asked to speak at the Società Italiana di Buiatria (Italian Buiatrics) annual conference in Parma, Italy in November 2017, with two presentations focused on evidence-based veterinary medicine and the research that the CEVM undertakes. They are a small but motivated professional group who are keen to collectively start driving forward the evidence-based veterinary medicine agenda in their profession, and their undergraduate veterinary curriculums. She was well looked after for the few days she was there, being treated to the region’s best produce on offer, including amazing parmesan cheese (see photo on the right!)



Next EVM course starts 26th February

We are starting our next “Using an evidence-based approach in your practice” CPD course on February 26th. The course covers three main areas;

- What is evidence based medicine and why is it important?
- How do I find and appraise the evidence?
- How do I apply an EVM approach to my practice?

The course costs £699 for vets and £399 for nurses. More information can be found [here](#) and places can be booked [here](#).

In other news....

This month Hannah Doit returns from maternity leave to recommence her PhD with the CEVM. As part of her research she is currently working with several Practice Management Software systems and veterinary practices to extract anonymised patient data from veterinary computer systems for use in clinical trials. If you are interested in being involved in this work or finding out more, please visit: <http://www.nottingham.ac.uk/cevm/practice-based-research/the-veterinary-clinical-trials-network-vctn/the-veterinary-clinical-trials-network-vctn.aspx>

In addition, the next part of her research involves investigating which outcomes are the most important to measure in clinical trials for cats with chronic kidney disease. If you work with, own or treat cats with chronic kidney disease and you are interested in being involved in this work, please contact Hannah on: Hannah.Doit@nottingham.ac.uk

New Publications and Presentations

- [Robinson, N.J.; Lyons, E.; Grindlay, D.; Brennan, M.L. Veterinarian Nominated Common Conditions of Rabbits and Guinea Pigs Compared with Published Literature. *Vet. Sci.* **2017**, 4, 58.](#)
- [Belshaw, Z.; Robinson, N.J.; Dean, R.S.; Brennan, M.L. Owners and Veterinary Surgeons in the United Kingdom Disagree about What Should Happen during a Small Animal Vaccination Consultation. *Vet. Sci.* **2018**, 5, 7.](#)
- [Falzon, LC, Lechner, I, Chantziaras, I, Collineau, L, Courcoul, A, Filippiti, ME, Laukanen-Ninios, R, Peroz, C, Ferreira, JP, Postma, M, Prestmo, PG, Phythian, CJ, Sarno, E, Vanantwerpen, G, Vergne, T, Grindlay, DJC and Brennan, ML. Quantitative outcomes of a One Health approach to study global health challenges. *EcoHealth*, **2018** pp.1-19.](#)
- [White, CN, Downes, MJ, Jones, G, Wigfall, C, Dean, RS and Brennan, ML. Use of clinical vignette questionnaires to investigate the variation in management of keratoconjunctivitis sicca and acute glaucoma in dogs. *Veterinary Record*, **2018** 182 \(1\) 21](#)
- [Huntley, SJ, Mahlberg, M, Wiegand, V, van Gennip, Y, Yang, H, Dean, RS and Brennan, ML. Analysing the opinions of UK veterinarians on practice-based research using corpus linguistic and mathematical methods. *Preventive Veterinary Medicine*, **2018** 150: 60-69](#)
- [Jones-Diette, J, Robinson, NJ, Cobb, M, Brennan, ML and Dean, RS. Accuracy of the electronic patient record in a first opinion veterinary practice. *Preventive Veterinary Medicine*, **2017** 148: 121-126](#)
- [Dean, R, Brennan, M, Bailie, S, Brearley, J, Cripps, P, Eisler, MC, Ewers, R, Handel, I, Holmes, M, Hudson, C, Jones, P, McLauchlan, G, McBrearty, A, Place, EJ, Shaw, D, Smith, R, Verheyen, K and Daly, JM. The challenge of teaching undergraduates evidence-based veterinary medicine. *Veterinary Record*, **2017** 181: 298-299](#)
- [Belshaw, Z.; Robinson, N.J.; Dean, R.S.; Brennan, M.L. “I Always Feel Like I Have to Rush...” Pet Owner and Small Animal Veterinary Surgeons’ Reflections on Time during Preventative Healthcare Consultations in the United Kingdom. *Vet. Sci.*, **2018**, 5, 20.](#)

BestBETs for Vets

Three new BETs have been added to our free online database [BestBETs for Vets](#). You can find out more, subscribe to BET updates or submit a question [here](#)

- [Midline versus flank approach and pain in neutering of cats](#)
- [Oxytetracycline spray following disbudding in calves](#)
- [Omeprazole versus ranitidine in resolving gastric ulceration in dogs](#)

We hope you are still enjoying the BestBET blogshots. Once again, we have attached a selection to this email for you to cut out and keep and pin to the practice noticeboard! Further discussion about our BETs happen on our Facebook page, you are welcome to join in the discussion! Details of our Facebook account can be found at the bottom of this newsletter.

VetSRev

Please find below a selection of systematic reviews that have been recently added to our VetSRev database that may be of interest to you.

- Tang KL, Caffrey NP, Nobrega DB, Cork SC, Ronksley PE, Barkema HW, Polacheck AJ, Ganshorn H, Sharma N, Kellner JD and Ghali, WA (2017) [Restricting the use of antibiotics in food-producing animals and its associations with antibiotic resistance in food-producing animals and human beings: a systematic review and meta-analysis](#). *Lancet Planet Health*. 1:e316-e327.
- Legatti SAM, El Dib R, Legatti E, Botan AG, Camargo SEA, Agarwal A, Barretti P and Paes AC (2018) [Acute kidney injury in cats and dogs: A proportional meta-analysis of case series studies](#). *PLoS One*. 13:e0190772.
- Chatziprodromidou IP, Arvanitidou M, Guitian J, Apostolou T, Vantarakis G and Vantarakis A (2018) [Global avian influenza outbreaks 2010-2016: a systematic review of their distribution, avian species and virus subtype](#). *BMC Systematic Reviews* 7:17.

Upcoming presentations from CEVM

Zoe will be speaking at the [Staffs and Derby Vet Club](#) on 28th February about “Getting the most out of your vaccination clinics”

Two members of the CEVM team will be presenting their research at the [International Conference on Communication in Veterinary Medicine](#) which is being held in Ontario, Canada in March.

- Louise Corah will be giving two presentations; ‘Consultation context: it’s not just about communication’ and ‘Vet and client attitudes to decision making in small animal consults in the United Kingdom’ based on her PhD research. She will also be presenting a poster entitled ‘Measuring success in the small animal consultation’.
- Mickey McDermott will be presenting a paper entitled ‘Alignment of Veterinary Consultations with Two Consultation Models’

Several members of the CEVM team will be presenting their research at [BSAVA congress](#) in April this year.

- Natalie Robinson will be presenting her abstract titled ‘Booster vaccination consultations: What do vets do currently and how can we make the most of them?’ at 2.20pm on Thursday 5th April in the Crompton Room (Austin Court) in the ‘Working in practice and therapeutics’ stream.
- Louise is presenting her abstract titled ‘Experiences and attitudes to small animal euthanasia consultations’ at 11:35am on Thursday 5th April in the Crompton Room (Austin Court) in the ‘Canine general practice’ stream.
- Zoe Belshaw is presenting two abstracts. The first is titled ‘Collateral damage: What is it like to own an osteoarthritic dog?’ and will be presented on Thursday 5th April in the Crompton room in Austin Court at 11:50am in the ‘Canine general practice’ stream. The second is titled ‘What should happen during dog and cat vaccination consultations?’ and will be presented on Thursday 5th April in the Crompton room in Austin Court at 2:50pm in the ‘Working in Practice & therapeutics’ stream.

Zoe has also been invited to take part in a round table discussion entitled “Managing mitral valve disease in dogs, a case-based approach” which is being held on Friday 6th April from 11:00am until 12:30pm in The Foundry.

Meet the team: Spotlight on our clinical pathology residents Anne and Guy

Guy Davies

I am currently a Resident in Veterinary Clinical Pathology which includes a Masters in Veterinary Medicine. My residency is a combined academic/industry programme with time split between the University of Nottingham and Finn Pathologists in Norfolk. I joined the team here having previously worked in small animal general practice in Surrey and South London for a number of years. Having had some exposure to pathology externships at university, and after doing an intercalated degree in Veterinary Pathology, I decided that it was the career path for me, so made the jump in October 2017.

My research project for the Masters is focusing on the use of C-reactive protein (CRP) in dogs with bacterial pneumonia. In particular, trying to see if it can be used as an extra decision tool by clinicians for whether to prescribe antibiotics in relevant cases. In human medicine there are currently various guidelines detailing the use of CRP for suspected community-acquired pneumonia for this purpose. It has been shown to reduce unnecessary antibiotic use, whilst not leading to any increase in adverse effects or relapses. We hope to find out whether it can be used in a similar way in veterinary medicine. At this stage we are finishing planning the project and intend to involve a large number of general and referral practices in the study. We aim to analyse airway wash samples from suspected cases of lower respiratory tract infections sent to Finn Pathologists, along with a blood sample for CRP assay. We then hope to better characterise the use of the test in these cases, as well as trial its use on point-of-care machines, ready for it to be deployed to practices directly where its use in clinical decision making is needed most.



Anne Aworinde

I also began my combined 3 year academic/industry clinical pathology residency programme in October 2017 and I will be splitting my time between the University of Nottingham and Axiom Vet lab in Devon. My road to the residency started when I graduated as a Vet from the University of Ibadan, Nigeria in 2004 and then I completed an MSc in Biomedical Sciences (Virology). Following this, I worked at the Veterinary Laboratories Agency (which is now called the Animal and Plant Health Agency) in Weybridge as a member of the Rabies group before moving to work at Axiom in the Haematology department for 10 years. Working in the haematology lab alongside great clinical pathologists is what fuelled my interest in clinical pathology. I was successful at the RCVS membership examinations at my first attempt and I became a member of the RCVS in 2016.

My masters research project examines survival rates for lymphoma in cats in the UK. I will also be comparing the survival rates for lymphoma at different anatomic sites and of different lymphoma subtypes with the aim of enabling practitioners to provide clients with an up to date evidence base for recommending chemotherapeutic treatment in cats following a diagnosis of lymphoma.

And Finally...

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

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