Randomised controlled trials

Efficacy of an avirulent live vaccine against *Lawsonia intracellularis* in the prevention of proliferative enteropathy in experimentally infected weanling foals.


Experimental challenge 12 foals in 3 groups

A preliminary study on the effect of manuka honey on second-intention healing of contaminated wounds on the distal aspect of the forelimbs of horses.

Bischofberger AS, Dart CM, Perkins NR, Dart AJ.


Experimental study 8 horses

Equine Veterinary Education

EQUINE VETERINARY EDUCATION Equine vet. Educ. (2006) 18 (1) 2-4

Editorial

Evidence-based medicine and clinical audit: what progress in equine practice?

T. S. Mair

Evidence-based clinical questions

13 since 2006

PubMed Search for: horse, randomised controlled trial – 834 citations

- Results: 1 to 20 of 834
  - Effects of intra-articular sodium pentosan polysulfate and glucosamine on the cytology, total protein concentration and viscosity of synovial fluid in horses.
  - PMID: 22827626 [PubMed - indexed for MEDLINE]

Evidence-Based Clinical Questions

Does early antibiotic use in horses with ‘strangles’ cause metastatic *Streptococcus equi* bacterial infections?

Does dantrolene sodium prevent recurrent exertional rhabdomyolysis in horses?

Are toe grabs a risk factor for catastrophic musculoskeletal injury in racehorses?

Does the addition of hyaluronan to intra-articular glucocorticoids provide any additional clinical benefit?

Does clenbuterol positively affect racing horses?
Editorial Marr, C.M.
Defining the clinically relevant questions that lead to the best evidence: what is evidence-based medicine?

Clinical Evidence Articles 2003-2010
Fast track research articles that directly influence practice by proving strong evidence regarding cause, diagnosis, treatment or prognosis of disease

The efficacy of dantrolene sodium in controlling exertional rhabdomyolysis in the Thoroughbred racehorse GT Edwards, JR Newton, PHL Ramzan, RC Pilsworth, MC Shepherd

Is isoflurane safer than halothane in equine anaesthesia? Results from a prospective multicentre randomised controlled trial GM Johnston, JK Eastment, PM Taylor, JLN Wood


Analgesia for Colic (2003-2004)
1015 cases
- NSAID use as primary analgesic associated with poorer survival rate

Laminitis (2005-2007) 46 BEVA members
107 animals
- Severity and outcome of equine pasture-associated laminitis managed in first opinion practice in the UK

Menzies-Gow NJ, Stevens K, Barr A, Camm I, Pfeiffer D, Marr CM.

BEVA Worms Survey
12 month period August 2010 - Aug 2011
- Poor response rate!
- 20 cases cyathostominosis

Survey of Equine Intestinal Parasite-Related Disease BEVA to Investigate WORM-RELATED DISEASE IN PRACTICE PLEASE GET INVOLVED

Vet Anaesthesia and Intensive Care

EVM in Equine Practice
- Funding for RCTs – centralised and impartial
- Education – relevance of EVM
- Engage practitioners – data collection – patient-centred research
- Assistance with study design and data analysis – observational epidemiological studies, case-control and prospective (cohort) studies
- Dissemination of results