


BELL EQUINE
VETERINARY CLINIC

EVM in Equine Practice

Tim Mair
Bell Equine Veterinary Clinic



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.](#)
- Kwan C, Bell R, Koenig T, Bischofberger A, Horadagoda N, Perkins NR, Jeffcott LB, Dart AJ.
- Aust Vet J. 2012 Aug;90(8):315-20. doi: 10.1111/j.1751-0813.2012.00959.x.
- PMID: 22827626 [PubMed - indexed for MEDLINE]
- [Related citations](#)
- [Clinical, hematologic, and electrolyte changes with 0.9% sodium chloride or acetated fluids in endurance horses.](#)
- Fielding CL, Magdesian KG, Meier CA, Rhodes DM.
- J Vet Emerg Crit Care (San Antonio). 2012 Jun;22(3):327-31. doi: 10.1111/j.1476-4431.2012.00745.x.
- PMID: 22702439 [PubMed - indexed for MEDLINE]

Randomised controlled trials

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

Pusterla N, Vannucci FA, Mapes SM, Nogradi N, Collier JR, Hill JA, Difrancesco M, White AM, Akana NK, Simonek G, Gebhart CJ.

Am J Vet Res. 2012 May;73(5):741-6.

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.

Vet Surg. 2011 Oct;40(7):898-902. doi: 10.1111/j.1532-950X.2011.00886.x. Epub 2011 Sep 20.

Experimental study 8 horses

Randomised controlled trials

[A randomised, double-blinded, placebo-controlled study on the efficacy of a unique extract of green-lipped mussel \(*Perna canaliculus*\) in horses with chronic fetlock lameness attributed to osteoarthritis.](#)

Cayzer J, Hedderley D, Gray S.

Equine Vet J. 2012 Jul;44(4):393-8. doi: 10.1111/j.2042-3306.2011.00455.x. Epub 2011 Sep 1.

26 horses with primary fetlock lameness. Partial crossover with a washout period -19 horses treated with LPPC and 20 with a placebo

[Efficacy of spinal manipulation and mobilisation on trunk flexibility and stiffness in horses: a randomised clinical trial.](#)

Haussler KK, Martin CE, Hill AE.

Equine Vet J Suppl. 2010 Nov;(38):695-702. doi: 10.1111/j.2042-3306.2010.00241.x.

Treatment group (n = 12) and control (n = 12) groups.

RCTs expensive – pharmaceutical industry

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



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?



 **Equine Veterinary Journal**

EQUINE VETERINARY JOURNAL (2003) 35 (4)
333-336


Editorial Marr, C.M.

Defining the clinically relevant questions that lead to the best evidence: what is evidence-based medicine?

EQUINE VETERINARY JOURNAL (2003) 35 (7)
634-635

Editorial Rossdale, P.D., Jeffcott, L.B. and Holmes, M.A.


Clinical evidence: an avenue to evidence-based medicine

 **Equine Veterinary Journal**

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	JGT 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
Assessment of the efficacy of composite surgery for the treatment of dorsal displacement of the soft palate in a group of 53 racing Thoroughbreds (1990-1996)	SZ Barakzai, VS Johnson, DH Baird, B Bladon, JG Lane



 **BRITISH EQUINE VETERINARY ASSOCIATION**
Committed to serve and lead the equine veterinary profession

- **Analgia 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.
Vet Rec. 2010 Sep 4;167(10):364-9.

Survey of Equine Intestinal Parasite-Related Disease



BEVA TO INVESTIGATE WORM-RELATED DISEASE IN PRACTICE PLEASE GET INVOLVED!

Please complete one form to record each case of intestinal parasite-related disease that YOU see in practice.
Return completed forms by fax 01638 724 043 or post to BEVA EBM Study, Mulberry House, 31 Market Street, Fordham, Ely, Cambridgeshire, CB7 5LQ.
Should you require further copies please photocopy as necessary, alternatively complete this form online at www.smartworming.co.uk/BEVA

(PLEASE COMPLETE IN BLOCK CAPITALS)

Veterinary Surgeon: Date Examined:.....
 Veterinary Practice:
 Address: Postcode:


2010-2011

BEVA Worms Survey

- 12 month period August 2010 - Aug 2011
- Poor response rate !
- 20 cases cyathostomiasis





 **BRITISH EQUINE VETERINARY ASSOCIATION**
Committed to serve and lead the equine veterinary profession

Courtesy of Tim Brazil

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