



Survey of Equine Research in 2005

Betsy Greene, Ph.D.

Extension Equine

Specialist

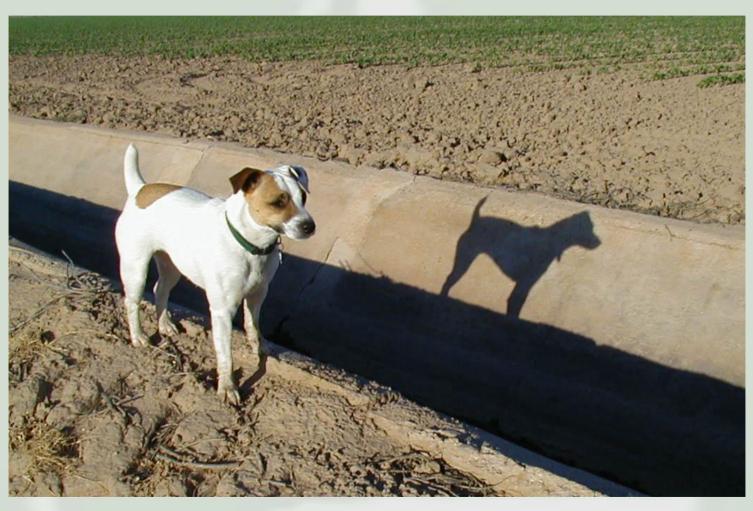


Overview

- My Background
- Topics of interest to race industry in the last year
- List by location and title
- List by Topics
- Politics









Morgan Growth Rates: Using the Past to Predict the Future







THE EFFECT OF AGE OF DAM ON BIRTH WEIGHT AND GROWTH RATE OF THOROUGHBRED FOALS

J.G. Willard, J.L. Williams, J.C. Willard, J.R. Knapp and E.A. Greene







USA

- (2005) Inheritance of recurrent exertional rhabdomyolysis in Thoroughbreds. JAVMA
- (2005) Association between exercise-induced pulmonary hemorrhage and performance in Thoroughbred racehorses.
- (2005) Tracheobronchoscopic assessment of exercise-induced pulmonary hemorrhage in horses. Am J Vet Res.



USA

- (2005) Relationships between hoof-acceleration patterns of galloping horses and dynamic properties of the track. Am J Vet Res.
- (2005) Evaluation of horseshoe characteristics and high-speed exercise history as possible risk factors for catastrophic musculoskeletal injury in Thoroughbred racehorses. AJVR
- (2005) Design and demonstration of a dynamometric horseshoe for measuring ground reaction loads of horses during racing conditions. J Biomech.



USA

- (2005) Up-regulation of site-specific remodeling without accumulation of microcracking and loss of osteocytes. Bone
- (2005) Role of endochondral ossification of articular cartilage and functional adaptation of the subchondral plate in the development of fatigue microcracking of joints. Bone



New Zealand

- (2005) Risk factors for musculoskeletal injuries of the lower limbs in Thoroughbred racehorses in New Zealand. N Z Vet J.
- (2005) Bodyweights and growth rates of spring- and autumn-born Thoroughbred horses raised on pasture. N Z Vet J.



New Zealand

- (2005) Profiling the New Zealand Thoroughbred racing industry. 2. Conditions interfering with training and racing. N Z Vet J.
- (2005) Osteochondrosis and copper: Histology of articular cartilage from foals out of copper supplemented and nonsupplemented dams. Vet J.



Australia

- (2005) Femoral asymmetry in the Thoroughbred racehorse. Aust Vet J
- (2005) Comparison of girth materials, girth tensions and their effects on performance in racehorses. Aust Vet J



Australia

(2005) Prevalence of pharyngeal and laryngeal abnormalities in Thoroughbreds racing in Australia, and their association with performance. Equine Vet J.

(2005) Effects of treatment with omeprazole or ranitidine on gastric squamous ulceration in racing Thoroughbreds. JAVMA



Japan

(2005) Effects of orientation, intermittent rest and vehicle cleaning during transport on development of transport-related respiratory disease in horses. J Comp Pathol.

(2005) Fractures sustained by racehorses in Japan during flat racing with special reference to track condition and racing time. Vet J.



Japan

(2005) Estimation of heritability for Tying-up syndrome in the Thoroughbred racehorse by Gibbs sampling. J Anim Breed Genet.



United Kingdom

- (2005) Conservative treatment for Thoroughbred racehorses with intermittent dorsal displacement of the soft palate. Vet Rec
- (2005) Incidence and risk factors associated with exertional rhabdomyolysis syndrome in National Hunt racehorses in Great Britain. Vet Rec.
- (2005) Left ventricular size and systolic function in Thoroughbred racehorses and their relationships to race performance.

 J. Appl. Physiol.



United Kingdom

- (2005) Biochemical markers of bone metabolism and risk of dorsal metacarpal disease in 2-year-old Thoroughbreds. Equine Vet J.
- (2005) Risk factors for fatal lateral condylar fracture of the third metacarpus/metatarsus in UK racing. Equine Vet J.
- (2005) Training-related factors associated with dorsometacarpal disease in young Thoroughbred racehorses in the UK. Equine Vet J.



of VERMONT United Kingdom

(2005) Risk factors for epistaxis on British racecourses: evidence for locomotory impact-induced trauma contributing to the aetiology of exercise-induced pulmonary haemorrhage. Equine Vet J.



United Kingdom

(2004) Hair analysis as a novel investigative tool for the detection of historical drug use/misuse in the horse: a pilot study. Equine Vet J.





Netherlands

(2005) Study of cartilage and bone layers of the bearing surface of the equine metacarpophalangeal joint relative to different timescales of maturation. Equine Vet J.



Brazil

(2005) Genetic and environmental parameters for racing time at different distances in Brazilian Thoroughbreds. J. Anim. Breeding and Gen.



Turkey

(2005) Phenotypic and genetic parameter estimates for racing traits of Arabian horses in Turkey. J Anim Breed Genet.



South Africa

(2004) The inheritance of liability to epistaxis in the southern African Thoroughbred. S A Vet Assoc.



Canada

(2005) Rupture of the peroneus tertius tendon in 27 horses. Can Vet J.

(2003) Maintenance of bodyweight during a multiple-day chuckwagon race meet. Equine Vet J Suppl.





By Topic

- Airway/EIPH (6)
- **Bone** (6)
- Limbs-Musculoskeletal(5)
- RER/Tying Up (3)
- Genetics (3)
- Shoes/Hooves (3)



Other

- **>**Ulcers
- **>** Girths
- ➤ Hair and Drugs
- ➤ Racing Industry
- **≻**Growth
- ➤ Body Weight
- >Heart
- **≻**Transport







- Priorities of Funding Agencies
- Funding History
- Review Boards
- Boards of Directors
- Etc.

