

2018

14th Annual Promoting Excellence Symposium for Equine Practitioners

Exercise and Treatment Strategies Focusing on the Stifle in the Horse

The science of physical rehabilitation takes the basis of knowledge from biomechanics, kinesiology and anatomy, and adds to that a practical clinical application. Physical rehabilitation is not just rest with a gradual increase in work. Rather, the science of rehabilitation takes into account information that we have learned about the mechanics of movement, how tissues heal, and in what environment they heal the best. The goal of a quality rehabilitation protocol is to apply information from a variety of scientific fields to offer the patient the best opportunity to obtain the highest quality of healing.

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Video Gait Analysis of the Horse: Common Problems of the Stifle

Recently, the understanding of the events leading to sports injury have greatly improved due to the ease of obtaining high-speed video showing the occurrence of the actual injury. Matching the post-injury diagnostics with the injury video data in a real-world situation has helped to refine the knowledge of how injury occurs (Kwon et al, 2010). In addition, research has shown that data from previous cadaver studies are not reproducible as good predictors of injury (Gitajn and Rodriguez, 2011).

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