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### **ABSTRACT ONE**

*Current Status of Exercise-Induced Pulmonary Hemorrhage: A New Concept for Prevention*, H.H. Erickson, D.C. Poole, C.A. Kindig

**Kansas State University, College of Veterinary Medicine**

Exercise induced pulmonary hemorrhage (EIPH) occurs in Quarter Horses, Standardbred and Thoroughbreds worldwide during sprint racing. EIPH is an important cause of exercise intolerance and results from strenuous exercise and/or pathophysiological changes in the equine lung.

### **ABSTRACT TWO**

*Exercise-Induced Pulmonary Hemorrhage in Thoroughbred Racehorses: Effects on racing performance*, K.W. Hinchcliff, J. McCaffrey, P. O'Callaghan, P. Morley, M. Jackson, J. Brown, A. Dredge, A. F. Clarke

**Report for the Rural Industries Research and Development Corporation  
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Exercise induced pulmonary hemorrhage (EIPH) is a condition with high prevalence in racing thoroughbreds. However, despite its perceived importance as a cause of morbidity and impaired performance, few studies have attempted to address the relationship of EIPH to race performance. This study was conducted to investigate the association between performance and EIPH in a large number of thoroughbred race horses. Endoscopic examinations were performed on 744 horses, representing 52.1% of those eligible horses starting during the study period. The results demonstrate that EIPH has a significant negative relationship with race performance of thoroughbred horses. There is a proportional inverse relationship between severity of EIPH and performance. There is no evidence that EIPH was associated with superior performance. Exercise induced pulmonary hemorrhage is a cause of reduced performance in thoroughbred race horses.