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Equine Upper Respiratory Tract Dynamics

Guest Editors:

Dr. Paula Tilley

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Deadline for manuscript submissions:
closed (30 June 2024)

Message from the Guest Editors

The horse, being an obligate nasal breather, cannot switch to oronasal breathing during exercise, during which they are subjected to a large increase in airflow and nasopharyngeal turbulence, which predisposes to a loss of nasopharyngeal stability. The early detection of upper respiratory tract dysfunctions reduces the risk of poor performance and discomfort and contributes to an increase in the longevity of sport horses which is crucial as their peak in performance is between 12 and 18 years of age.

Furthermore, there is a significant influence of the ridden head and neck position on pharyngeal diameter. Therefore, the International Society for Equitation Science (ISES) has advised further research to be done on the physiological/psychological effects of lesser degrees of poll flexion in the ridden horse.

Researchers working in equine anatomy, physiology, internal medicine, sport medicine, surgery, pharmacology, behavior and welfare are welcome to contribute original novel research and unique case reports or case series, as well as insightful in-depth reviews with the aim of bringing together the latest findings on this topic.

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Message from the Editor-in-Chief

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