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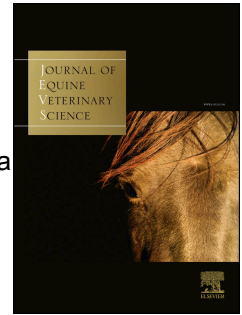
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Effect of marcha exercise on serum electrolytes and acid base balance in Mangalarga**Marchador horses**

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Higligths:

The marcha is a comfortable lateral and diagonal gait.

Depending on its intensity and duration, the exercise has effects on acid base balance.

After a marcha competition, only the stallions presented hypochloraemic metabolic alkalosis.

In experiments with athletic horses, gender differences should be taken into consideration.

Abstract

The marcha competition is a functional evaluation, without similar in the world. In this
competition the animals perform marcha at average speed between 9 and 12 km/h for 50 min,
covering roughly 6 to 7 km with no rest. The aim of this study was to evaluate and compare

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