

EXERCISE-INDUCED RHABDOMYOLYSIS IN ENDURANCE HORSES

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INTRODUCTION

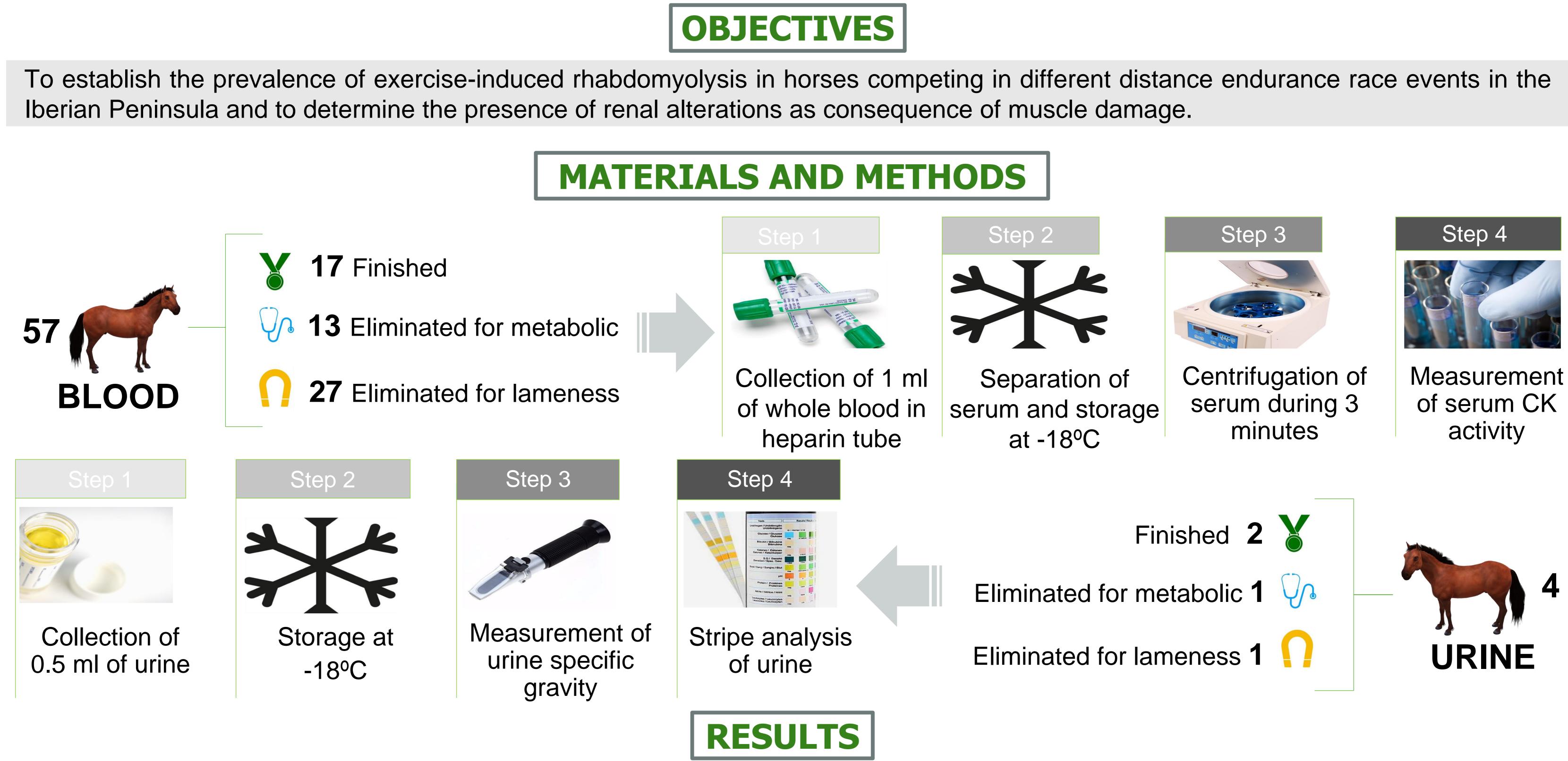
The most common sign is firm and painful muscles. In extreme cases, horses can show reluctancy or refusal to move and muscle necrosis and renal failure from myoglobinuria.

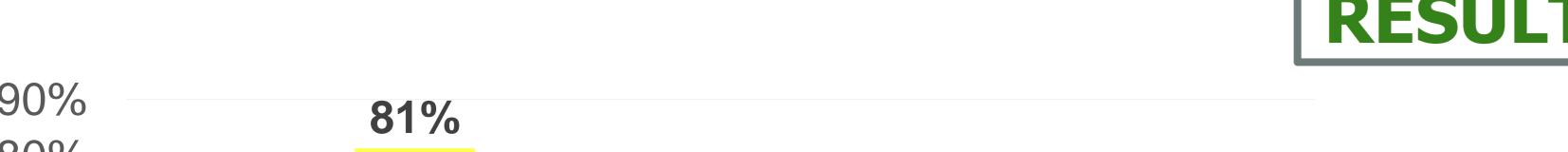
The prevalence of ER showed in one previous study in a sample of horses participating in 50 miles distance events was a 4.5%.

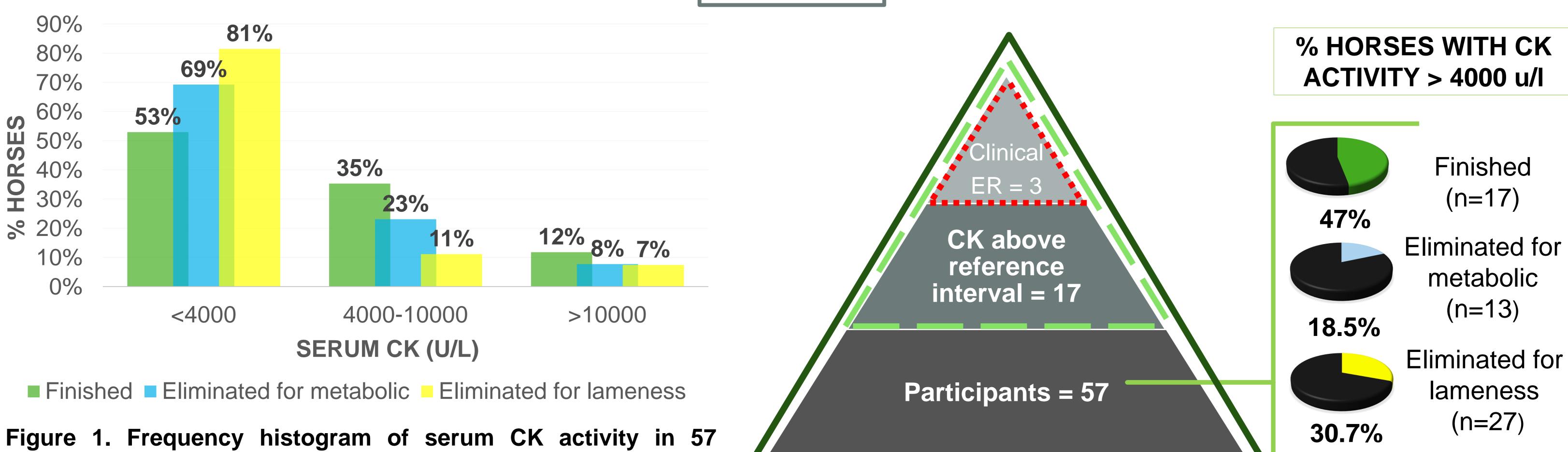
Exertional rhabdomyolysis (ER) is a frustrating condition that affects many breeds of horses, causing poor performance and financial loss.

Plasma CK activity is the most specific marker of acute muscle damage. His activity peaks 4 to 6 hours after muscle damage.

Research studies of ER need to be done in endurance horses since there is evidence indicating that ER is an important cause of failure in endurance riding competitions.







horses according to result in the race

- CONCLUSIONS

□ The current study identified an apparent prevalence of 29.8 % of ER in a sample of endurance horses.

- ER affected approximately twice those which finished the race (47%) over those which were eliminated (22.5%).
- □ CK activity above reference interval was mostly not associated with clinical signs.