

Malignant Hyperthermia (MH)



What is malignant hyperthermia (MH)?

- Rare inherited disease in Quarter Horses and related breeds
- Causes a life-threatening condition primarily triggered by anesthesia drugs
- Presence of the MH mutation can result in more severe clinical tying-up in horses that also have the PSSM1 mutation

What you can do to keep your horse healthy:

- Breeders can prevent malignant hyperthermia by avoiding mating horses with the causative mutation. Since this disease has an autosomal dominant mode of inheritance, only one copy of the disease allele is needed for a horse to be affected.

Signs

Muscle contracture
Elevated body temperature
Elevated heart rate
Irregular heart rhythm
Excessive sweating
Shallow breathing

Transmission

Autosomal dominant mode of inheritance

Treatment

None

**If your horse needs medical care, contact the Large Animal Clinic at (530) 752-1393.*



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