

Electrocardiography in Horses

Category

1. Observation Involving minor interference

Objective

To record heart rate variability in horses

Alternatives to animal use

Not available

Equipment

Electrocardiograph (holter monitor; televelt)

Safety and Risk considerations

Horse restrained in stocks.

Drugs, chemicals or biological agents

None

Procedure

A small patch of hair is clipped over four areas (Neutral lead: left withers; left arm lead: behind shoulder; left foot lead: behind elbow; right arm lead: right withers). Electrodes are stuck to skin with self-adhesive pads and contained underneath a girdle. Leads are connected to a mobile monitor/receiver and recordings are obtained.

Impact on wellbeing of animals

None

Animal Care

No special requirements needed

Pain Relief

None

Reuse and repeated use

N/A

Qualification, experience or training necessary to perform procedure

Veterinary technician, Veterinarian, Veterinary student

References and relevant links

www.dlc.com.au/televelt-100-ecg-and-holter