

Equine simulator for training of nasogastric intubation

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Organisation

Name of the organisation Ghent University (UGent)

Department Veterinary skillslab

Country Belgium

SCOPE OF THE METHOD

The Method relates to	Animal health
The Method is situated in	Education and training
Type of method	Other

DESCRIPTION

Method keywords

veterinary medicine

skillslab training

dummy

nasogastric intubation

horse

Scientific area keywords

Veterinary education

clinical training

Method description

In the skillslab, dummy models and simulators are used for teaching various clinical skills. Nasogastric intubation is an important and commonly performed procedure in equine veterinary practice. An important part of this training process can be performed on a simulator in the skillslab.

Lab equipment

Home-made dummy

Method status

History of use

Internally validated

PROS, CONS & FUTURE POTENTIAL

Advantages

The use of educational animal models in a skillslab offers a number of significant advantages:

- Reduced use of laboratory animals and reduced discomfort for patients, as procedures can be practised on dummy models and simulators before performing them on a live animal.
- Teaching of clinical skills in a quiet and safe environment, reducing anxiety and stress for the veterinary student.
- Complex practical skills can be split into a number of small steps when practising them in the skillslab.

Challenges

- Clinical training on live animals needed as well.
- Creating and repairing the home-made models is time consuming for a large group of students.
- Specifically, in this model, the dummy cannot swallow. However, as a first exercise it is still useful. Students also learn to know the difference between the feeling of the trachea and the esophagus and how to check the correct position of the tube using

the model.

Modifications

Further optimisation of home-made models and purchasing available commercial models.

Future & Other applications

Training for lab animal procedures.

REFERENCES, ASSOCIATED DOCUMENTS AND OTHER INFORMATION

Associated documents

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