

# 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

<b>The Method relates to</b>	Animal health
<b>The Method is situated in</b>	Education and training
<b>Type of method</b>	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**

[slokdarmsondage paard.jpg](#)

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