

# Animal dummy models and simulators for training of bandaging techniques

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## Organisation

**Name of the organisation** Ghent University (UGent)

**Department** Veterinary skillslab

**Country** Belgium

**Geographical Area** Flemish Region

## 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: Dummy models and simulators

## DESCRIPTION

### Method keywords

veterinary medicine

dummy

simulator

skillslab training

bandaging

### Scientific area keywords

Veterinary education  
clinical training

### **Method description**

In the skillslab, dummy models and simulators are used for teaching various clinical skills. The veterinarians in training need to learn how to perform different bandaging techniques in small and large animals. Although training on living animals is important, a part of the training process can be performed on dummy models and simulators in the skillslab. Different equine and canine models and limbs are used to exercise different bandaging techniques.

### **Lab equipment**

- Equine models or manikins (commercial: <https://www.vetsimulators.com/>-<https://koeierij.nl/>)
- Canine/feline models: different commercial stuffed toy dogs

### **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**

High cost of models, clinical training on live animals needed as well.

### **Modifications**

Further optimisation of home-made models and purchasing available commercial models. Virtual/augmented reality can be added.

### **Future & Other applications**

Training for lab animal handling/procedures.

## **REFERENCES, ASSOCIATED DOCUMENTS AND OTHER INFORMATION**

### **Associated documents**

[Aanleggen verband paard.JPG](#)

### **Links**

[Veterinary skillslab](#)

[Skillslab donation page](#)

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