

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

The Method relates to	Animal health
The Method is situated in	Education and training
Type of method	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](#)

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