

## Bovine and porcine dummy models for training of handling techniques

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### Contact person

Annelies Decloedt

### 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  
Animal handling  
dairy cow  
pig  
piglet

### 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 handle cows and pigs in a correct and safe way. Although training on living animals is indispensable, a part of the training process can be performed on bovine and porcine dummy models in the skillslab.

### Lab equipment

Commercial models (koeierij.nl; calf: Melissa and Doug, piglet: Ikea, pig statue (Hippra))

### 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 porcine and bovine lab animal examination.

## REFERENCES, ASSOCIATED DOCUMENTS AND OTHER INFORMATION

### Associated documents

[20200807\\_165656.jpg](#)

[20200818\\_113915.jpg](#)

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