

# Bovine and porcine dummy models for training of handling techniques

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#### **Contact person**

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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

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 optimalisation 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

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