

# Animal dummy models and simulators for clinical training

Created on: 17-07-2019 - Last modified on: 08-02-2023

## Contact person

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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: Dummy models and simulators

## DESCRIPTION

### Method keywords

clinical training  
veterinary medicine  
dummy  
simulator  
animal model

### Scientific area keywords

veterinary medicine

education  
training  
clinical training

### **Method description**

In the skillslab, dummy models and simulators are used for teaching various clinical skills such as sutures, injections, ... The veterinarians in training start with practising basic skills such as handling animals, and progress over the years to perform more complex procedures on simulators such as intubation or neutering. The skillslab is part of the course 'Clinical and communicative skills' that is new in the curriculum since the academic year 2016-2017.

### **Lab equipment**

Commercial high fidelity models ;  
Home-made low fidelity models.

### **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**

Virtual/augmented reality can be added.

### **Future & Other applications**

Training for lab animal handling/procedures.

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

### **Links**

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