

# Animal dummy models and simulators for training of urinary collection

Created on: 15-02-2023 - Last modified on: 15-02-2023

## 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
<b>This method makes use of</b>	Animal derived cells / tissues / organs

## DESCRIPTION

### Method keywords

veterinary medicine

dummy

skillslab training

urinary catheterisation

cystocentesis

## **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 collect urinary samples in an aseptic way. An important part of this training process can be performed on dummy models and simulators in the skillslab.

## **Lab equipment**

Commercial models:

- female dog model for urinary catheterisation ([www.formafundo.nl/](http://www.formafundo.nl/))
- male cat model for urinary catheterisation ([www.paws2claws.com](http://www.paws2claws.com))

Home-made models:

- male cat model for urinary catheterisation
- male dog model for urinary catheterisation
- canine and feline model for cystocentesis
- model for urinary catheterisation in a mare

## **Method status**

Still in development

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,

Creating and repairing the home-made models is time consuming for a large group of students.

## **Modifications**

Further optimisation of home-made models and purchasing available commercial models.

## **Future & Other applications**

Training for lab animal surgical procedures.

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

### **Associated documents**

[20210427\\_132150.jpg](#)

## PARTNERS AND COLLABORATIONS

### Organisation

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

**Department** Veterinary skillslab

**Country** Belgium

*Coordinated by*



*Financed by*

