

# Canine dummy models and simulators for training of basic clinical examination skills

Created on: 08-02-2023 - Last modified on: 10-02-2023

## 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

simulator

clinical examination

canine model

## **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 a basis clinical examination of a dog. Although training on living animals is indispensable, a part of the training proces can be performed on canine dummy models and simulators in the skillslab. A home-made low fidelity canine model is used to learn the position and palpation technique of peripheral lymph nodes. Furthermore auscultation of the heart can be trained on a commercial high-fidelity simulator and a commercial model is also used to assess the body condition score.

## **Lab equipment**

° Home-made low fidelity models: canine dummy model to palpate the peripheral lymph nodes

° Commercial high-fidelity models: Goldie-K9-breath-hearth-sound-simulator (<https://rescuecritters.com>) and Royal Canin BCS palpation model

## **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.

## **Modifications**

Further optimisation of home-made models and purchasing available commercial models. Virtual/augmented reality can be added.

## **Future & Other applications**

Training for canine lab animal examination.

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

### **Associated documents**

[Auscultatie hart hond.JPG](#)

### **Links**

[Veterinary skillslab](#)

[Skillslab donation page](#)

## PARTNERS AND COLLABORATIONS

### Organisation

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

**Department** Veterinary skillslab

**Country** Belgium

**Geographical Area** Flemish Region

*Coordinated by*



*Financed by*

