

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

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

# **Contact person**

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### **Organisation**

Name of the organisation Ghent University (UGent)
Department Veterinary skillslab
Country Belgium
Geographical Area Flemish Region

## SCOPE OF THE METHOD

The Method relates to	Animal health
The Method is situated in	Education and training
Type of method	Other: Dummy models and simulators

# **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

- Output
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- ° 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 optimalisation 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

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