

# Dummy models for surgical training in the veterinary skillslab

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## 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

suturing techniques

aseptic surgical preparation

## **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 basic and more complex suturing techniques and how to do an aseptic surgical preparation. A large part of this training process can be performed on dummy models in the skillslab.

## **Lab equipment**

- ° Home-made silicone suture pads (adapted from [www.smooth-on.com](http://www.smooth-on.com))
- ° Home-made canine dummy for aseptic preparation of the surgical field
- ° Commercial suture pads ([www.medistitch.eu](http://www.medistitch.eu))

## **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. Creating the suture pads is time consuming for a large group of students. No bleeding like in living animals.

## **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**

[170322\\_skillslab chirurgie \(13\).jpg](#)

## **PARTNERS AND COLLABORATIONS**

### **Organisation**

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

**Department** Veterinary skillslab

**Country** Belgium

**Geographical Area** Flemish Region

*Coordinated by*



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