

# Canine simulator for training of endotracheal intubation

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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
<b>This method makes use of</b>	Other (e.g. bacteria)

## DESCRIPTION

### Method keywords

veterinary medicine

skillslab training

dummy

endotracheal intubation

## Scientific area keywords

Veterinary education

clinical training

Preclinical model

## Method description

In the skillslab, dummy models and simulators are used for teaching various clinical skills. Endotracheal intubation after induction of anesthesia is an important and commonly performed procedure in veterinary practice. An important part of this training process can be performed on a simulator in the skillslab.

## Lab equipment

Commercial dummy (<https://formafundo.nl>)

## 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.
- The commercial model has the advantage that the students can check if they have correctly entered the trachea by inflating a balloon using an ambu-bag.

## **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.

## **Future & Other applications**

Training for lab animal anaesthetical procedures.

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

### **Associated documents**

[DSCN0761.JPG](#)

### **Links**

[Forma Fundo website](#)

## **PARTNERS AND COLLABORATIONS**

**Organisation**

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

**Department** Veterinary skillslab

**Country** Belgium

*Coordinated by*



*Financed by*

