

## Animal dummy models for training of infusion techniques

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### Organisation

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

**Department** Veterinary skillslab

**Country** Belgium

## 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

## DESCRIPTION

### Method keywords

veterinary medicine  
dummy  
skillslab training  
infusion  
catheterisation

### 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 administer intravenous fluids and medication by the use of infusion systems. An important part of this training process can be performed on dummy models and simulators in the skillslab.

### Lab equipment

Home-made dummies:

- stuffed toy dog with an intravenous catheter and fluid collection bag,
- stuffed toy calf with an intravenous catheter and fluid collection bag,
- stuffed toy foal with an intravenous catheter and fluid collection bag.

## 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 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 handling/procedures.

## REFERENCES, ASSOCIATED DOCUMENTS AND OTHER INFORMATION

### Associated documents

[IQUU1697.JPG](#)

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