

Animal dummy models for training of infusion techniques

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Contact person

Annelies Decloedt

Organisation

Name of the organisation Ghent University (UGent)

Department Veterinary skillslab

Country Belgium

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

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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