

Animal dummy models and simulators for training of urinary collection

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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
This method makes use of	Animal derived cells / tissues / organs

DESCRIPTION

Method keywords

veterinary medicine

dummy

skillslab training

urinary catheterisation

cystocentesis

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 collect urinary samples in an aseptic way. An important part of this training process can be performed on dummy models and simulators in the skillslab.

Lab equipment

Commercial models:

- female dog model for urinary catheterisation (www.formafundo.nl/)
- male cat model for urinary catheterisation (www.paws2claws.com)

Home-made models:

- male cat model for urinary catheterisation
- male dog model for urinary catheterisation
- canine and feline model for cystocentesis
- model for urinary catheterisation in a mare

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,

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 surgical procedures.

REFERENCES, ASSOCIATED DOCUMENTS AND OTHER INFORMATION

Associated documents

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PARTNERS AND COLLABORATIONS

Organisation

Name of the organisation Ghent University (UGent)

Department Veterinary skillslab

Country Belgium

Coordinated by



Financed by

