Canine simulator for training of endotracheal intubation

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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

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 optimalisation of home-made models and purchasing available commercial models.

Future & Other applications

Training for lab animal anesthetical procedures.

REFERENCES, ASSOCIATED DOCUMENTS AND OTHER INFORMATION

Associated documents

DSCN0761.JPG

Links

Forma Fundo website

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