Canine simulator for training of endotracheal intubation

Created on: 22-06-2023 - Last modified on: 23-06-2023

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Organisation

Name of the organisation Ghent University (UGent)
Department Veterinary skillslab
Country Belgium

SCOPE OF THE METHOD

<table>
<thead>
<tr>
<th>The Method relates to</th>
<th>Animal health</th>
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</thead>
<tbody>
<tr>
<td>The Method is situated in</td>
<td>Education and training</td>
</tr>
<tr>
<td>Type of method</td>
<td>Other</td>
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</tbody>
</table>

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](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