



Clinical Skills Lab

# Selfmade models and simulators

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International Workshop of homemade models and simulators | Oslo

# Selfmade models and simulators

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## The Clinical Skills Lab



# Selfmade models and simulators

## Transfer of general clinical & surgical skills

### 01 | Venipuncture board

- Function: Visualization of the vascular puncture and position of the venous indwelling catheter in the vessel lumen
- Material: Wooden plate, Plastic/silicone tube



# Selfmade models and simulators

## Transfer of general clinical & surgical skills

### 02 | Venipuncture board (Cattle)

- Function: Simulation of vascular puncture/ injection in the external jugular vein of cattle
- Material: Wooden board, Styrofoam, Silicone pad, Silicone tube, Cow coat





# Selfmade models and simulators

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## Transfer of general clinical & surgical skills

### 02 | Venipuncture board (Cattle)



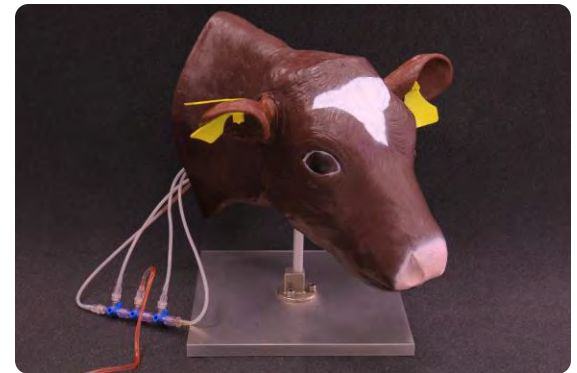
## Selfmade models and simulators

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### Transfer of general clinical & surgical skills

#### 03 | Venipuncture trainer (Calf)

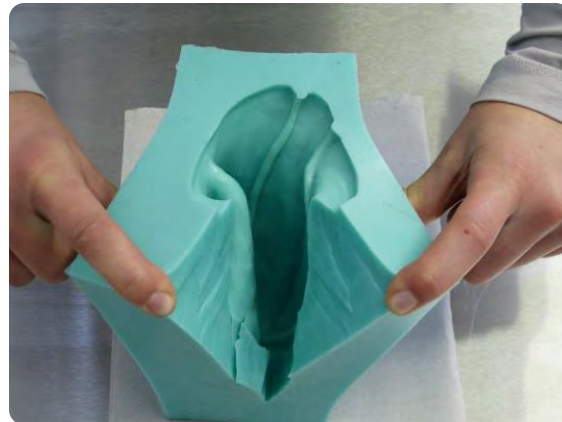
- Function: Bovine vascular access training models designed for students to give injections, place catheters or draw blood
- Material: Silicone earmolds and silicone/plastic tubing | Head model of a calf made of epoxy resin



## Selfmade models and simulators

### Transfer of general clinical & surgical skills

#### 03 | Venipuncture trainer (Calf)



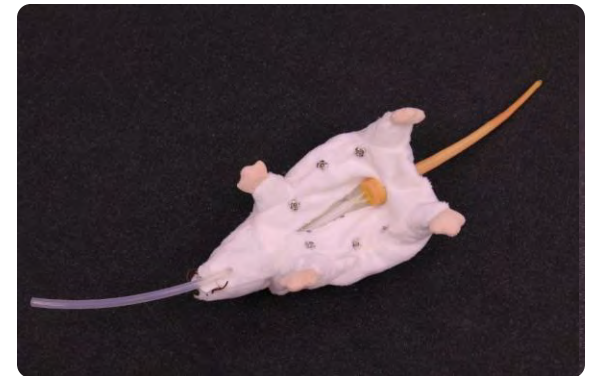
## Selfmade models and simulators

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### Transfer of general clinical & surgical skills

#### 04 | Venipuncture trainer (Rat)

- Function: Simulation of venous blood sampling, and injection on the rat's tail
- Material: Rat tail made of silicone with latex cover





# Selfmade models and simulators

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## Transfer of general clinical & surgical skills

### 05 | Knotting boards

- Function: Acquisition of different knotting techniques
- Material: Wooden plate, Plastic ropes in different colours, Plastic, Silicone and plastic ropes



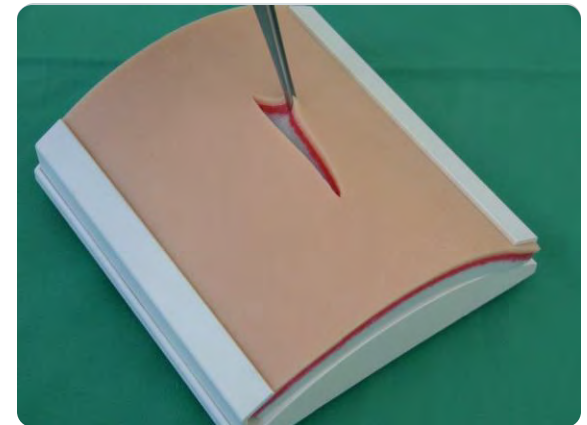
# Selfmade models and simulators

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## Transfer of general clinical & surgical skills

### 06 | Skin suture pad

- Function: Acquisition of incision, stitch and needle guidance for suture exercises
- Material: Multilayer silicone pad in different thicknesses of silicones and foam components



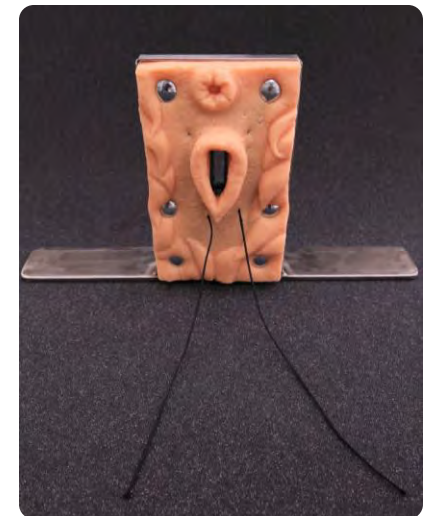
## Selfmade models and simulators

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### Transfer of special surgical & clinical skills

#### 01 | Suture trainer »Bühnerband«

- Function: Pad for demonstrating and training core skills associated with temporary closure of the vagina to correct a prolapse of the vagina/uterus in sheep
- Material: Silicone, Foam, Steel holder

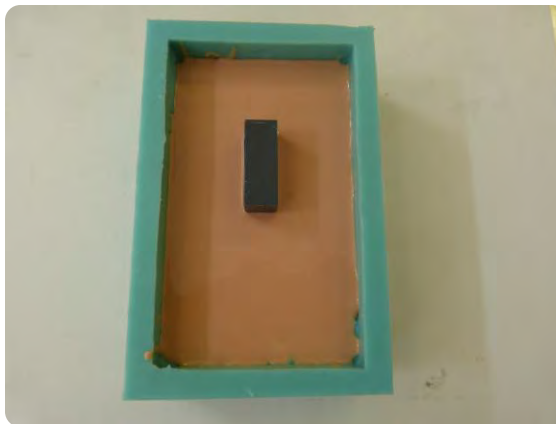


## Selfmade models and simulators

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### Transfer of special surgical & clinical skills

#### 01 | Suture trainer »Bühnerband«





# Selfmade models and simulators

## Transfer of special surgical & clinical skills

### 02 | Canine cerebrospinal fluid puncture model

- Function: Punction of cerebrospinal fluid in the atlanto-occipital joint
- Material: Polyurethane skull and cervical vertebrae, Synthetic/foam materials, Silicone tubing, Suture pad



## Selfmade models and simulators

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### Transfer of special surgical & clinical skills

#### 02 | Canine cerebrospinal fluid puncture model



# Selfmade models and simulators

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## Transfer of special surgical & clinical skills

### 03 | Cystocentesis

- Function: Punction of the bladder and sterile urine extraction under ultrasound control
- Material: Silicone, Silicone tubing, Suture pad

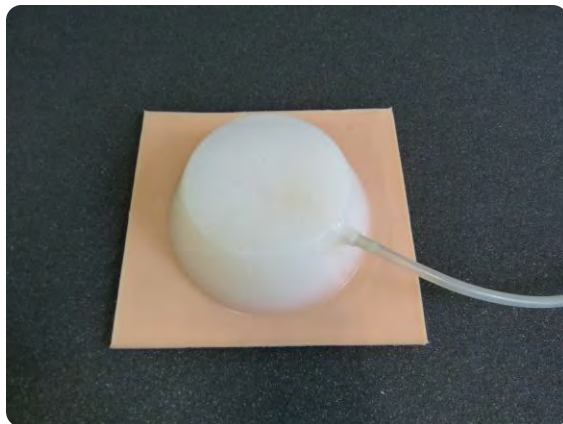


# Selfmade models and simulators

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## Transfer of special surgical & clinical skills

### 03 | Cystocentesis





## Selfmade models and simulators

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### Transfer of special surgical & clinical skills

#### 04 | Heart sound simulator

- Function: Exercise of cardiac auscultation in the dog
- Material: Epoxy resin chest with built-in audio and USB interface



# Selfmade models and simulators

## Transfer of special surgical & clinical skills

### 04 | Heart sound simulator

