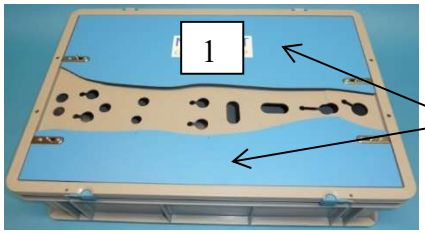
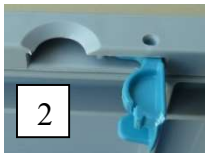
# USER MANUAL ARM SIMULATOR

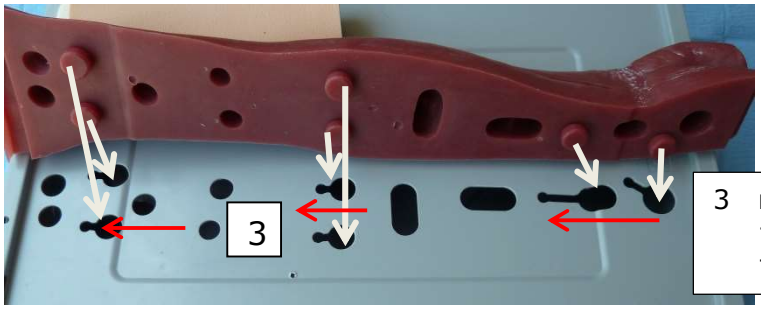


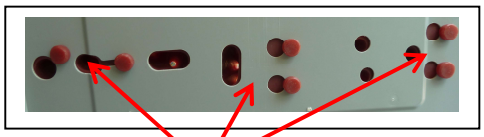

1 box of the arm simulator for access surgery

Remove the 2 blue cover parts by sliding the lockers

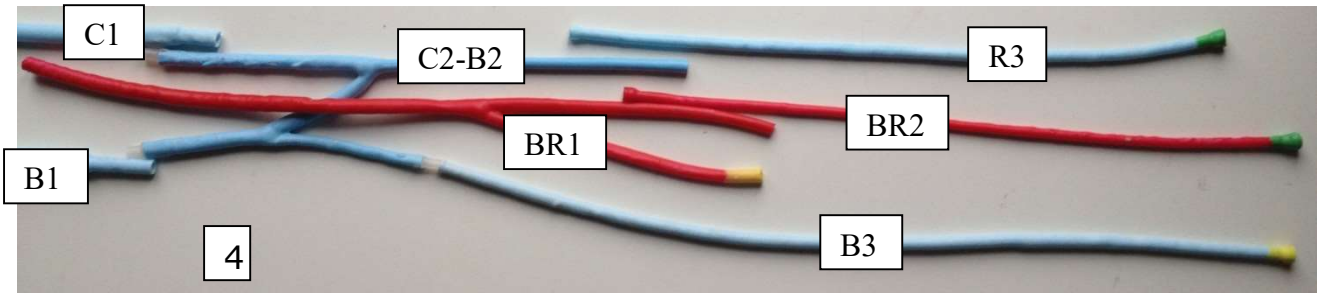



2 open the lock and remove all material

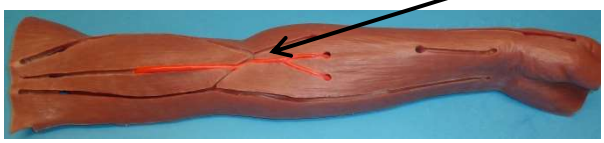


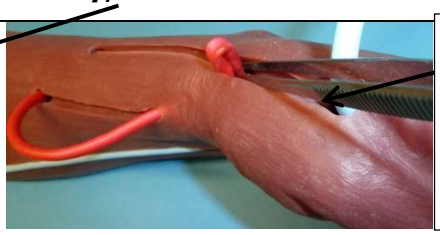



3 mount the arm on top of the box cover, fix it by sliding the arm leftwards, pushing the silicone knobs into the leads



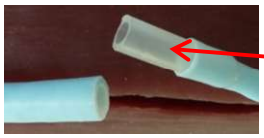

4 lay out the inlays and start to place them into the prepared hollows, **place the coloured end always peripherally,** start with the Brachialis (BR1)



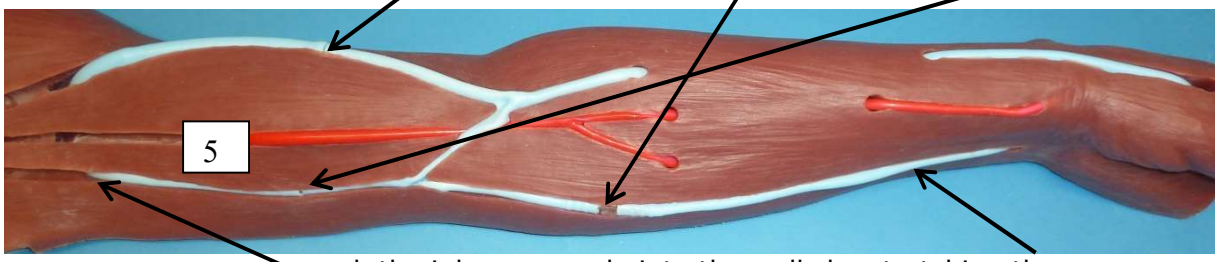


Then take the Radialis artery (BR2), pull it through the first hole and tear it to the right with a blunt grasper

Go ahead with the Radialis vein (R3), it covers the Radialis artery

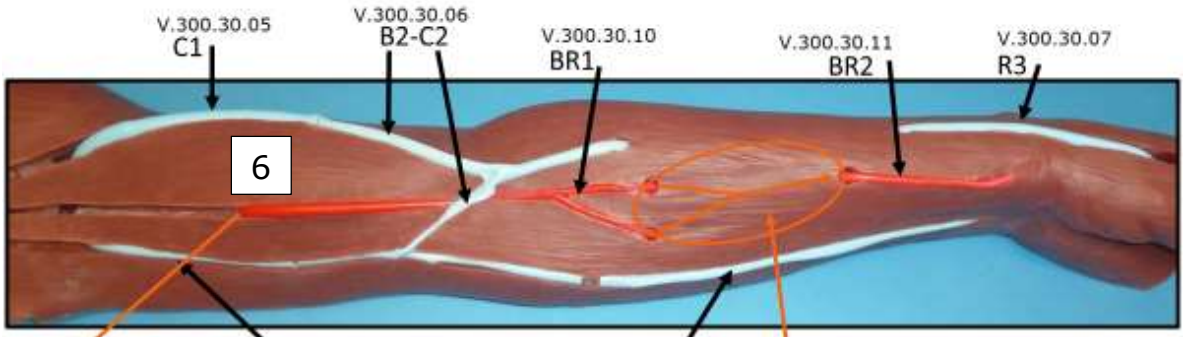


5 connect the various vessels with each other : B2-C2 with B1 and C1, as well as with B3

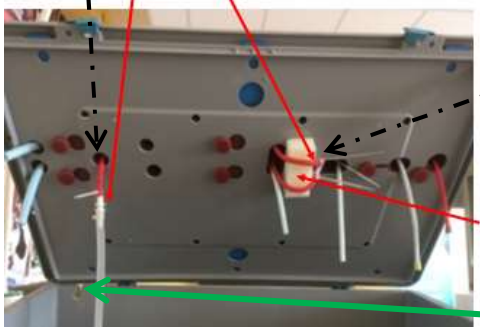



work the inlays properly into the wells by stretching them

6 connections inside the box:




Connections inside the box:
1 white straight connector:pump to BR1 inlay
1 clear Y-connector: 2 BR1 branches to the BR2

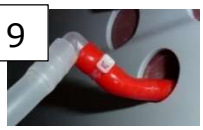


With a piece of foam to prevent kinking

7 Fix all arteries with a cable tie on the connector

8 put the pump into the box keeping the control unit outside (lay the wire into the notch on the back side of the box), connect it with the power supply & fill ca. 1-2 l (1/4 – ½ Gallon) water into the box and close it

9



9 Pull the cranial end of the Brachialis inlay on to the connector (fixed to the tube from the pump) and fix it with a cable tie

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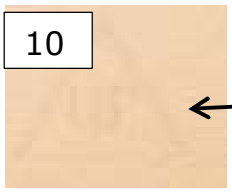
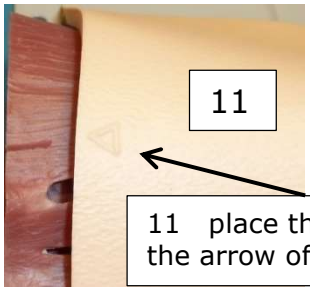
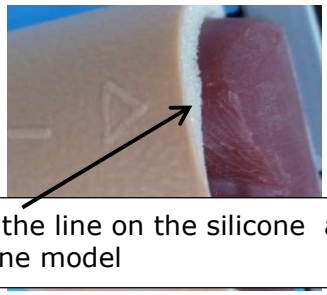
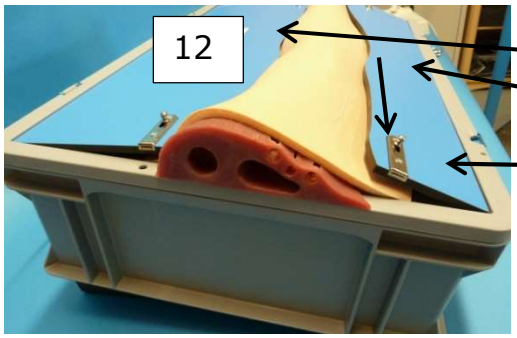



10 close the cover and place the skin over the silicone arm by using the orientation marks "up" and the arrows left/right

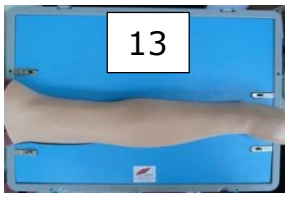


11 place the arrow of the left side of the skin to the line on the silicone and the arrow of the right side to the top of the silicone model

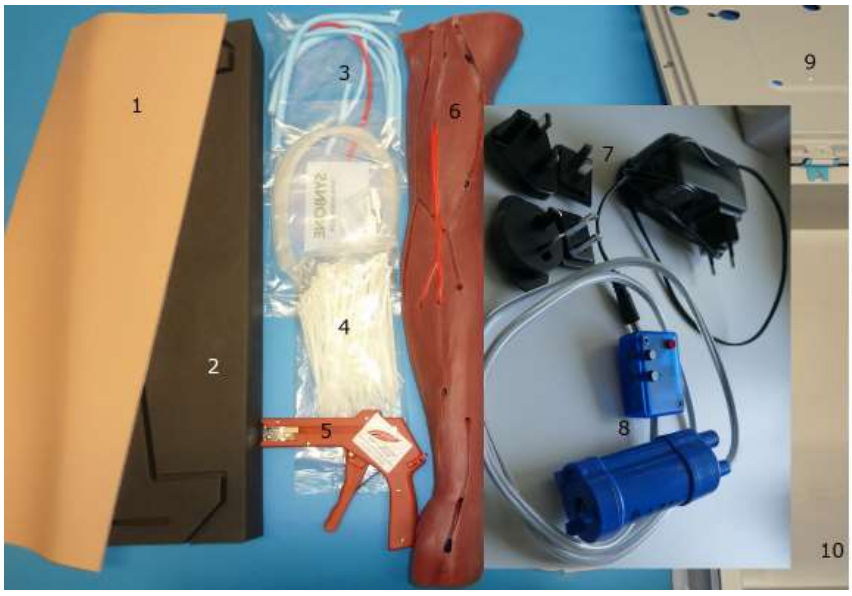



12 Place the 2 blue cover parts into the right positions and press them down, slide the lockers to fix them




13 Your arm model is now prepared

Most parts are manufactured in Switzerland and all parts could be replaced.

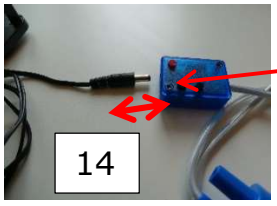



Box content:
1 skin with markings
2 black wedge to place the box
3 2 arteries & 5 veins
4 cable ties
5 cable tie applier
6 silicone arm
7 power supply with 5 connectors
8 pump with control unit
9 box cover
10 box body

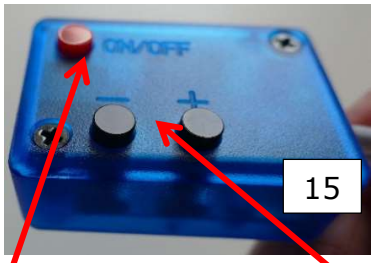
This power adapter set includes 5 connector plug ins for the main international electric systems. It transformes power of 100V – 240V to 12 V
Slide down to unlock the connector
Put in the requested connector with the smaller hook upwards and press it down

The pump is fixed to the control unit.

**Please make sure, the control unit is always kept dry. The case of the control unit is not waterproof. Dipped in the water will destroy it.**




14 connect the slim plug of the power supply to the control unit and choose the plug matching your electrical system, then connect it to the electrical power source




15 this control unit does start/stop the pump (red button: on/off)
With the **–** button you may reduce the pump performance, while you can increase the performance by putting the **+** button
If you push down both buttons **–** and **+** at the same time, your pump will change to the vein modus (continuous flow), when you push down both buttons again, your pump will change back to the pulsatile modus
Once you pulled out the electric wire, the pump control unit will fall back into its default setting: pulsatile modus of about 70% of its maximum performance

## Important information

1. the Pump shall never run dry (noisy): immediately put it off or fill water into the water tank, until the noise is gone
2. after usage, dismantle the model into its single parts & let them dry. If you store the model undried/wet, mold will destroy it irreversible.
3. store the pump – connector with the pump/control unit after drying always within the model box