ETH MIKE – Checklist v2.0

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At initial startup

- ☐ Plug in robot and the tablet charger
- ☐ Connect emergency button
- ☐ Switch on tablet
- ☐ Ensure emergency button is released
- ☐ Ensure the end-effector is locked in the middle of the robot's workspace
- ☐ Switch on the robot
- ☐ Wait until a "click" sound, which indicates that calibration is performed. After the sound you can move the end-effector freely
- ☐ Login on the tablet
- ☐ Start application `ETH MIKE` on the desktop
- ☐ Check if the communication symbol is not shown in red color

After initial startup and if emergency button is pressed:

- ☐ Release emergency button
- ☐ Reset the robot and the tablet application

Before running the experiments

- ☐ Disinfect hands with hand sanitizer
- ☐ Ensure that the patient sits in an upright position in front of the device
- ☐ Put on the bandage and strap and wrist splint to the patients wrist
- ☐ Add pillows for the arm and back as necessary (see reference in Figure 1)
- ☐ Put patient's hand on the handle and ensure that the patient holds it
- ☐ Place the tablet on the mount of the robot, above the hand

During the experiments

- ☐ Login with subject ID code or create new one (button `Subject Login`)
- ☐ Start with the desired task (depending on the study protocol)
- ☐ Ensure that the patient sits in an upright position in front of the device
- ☐ Remove the tablet to ensure that the patients hand is properly positioned and holding on to the handle after the completion of each task

After the experiments

- ☐ Disinfect the handles of the device

Fig. 1: Reference for patient posture and pillow position

Contact information

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