

Operation Observation

October 9, 2017

1 PURPOSE

The purpose of the observation is to observe the situation which must be simulated. This is done to make an assessment of what must be included in the design.

2 METHOD

To analyse and retrieve information in the matter the main method used is doing a contextual inquiry. This includes the different analysing models and interviews. A group of three was at Aalborg University Hospital to observe a robot assisted surgery performed on a person. The observation team acquired both pictures, notes and some video from the operation. Which describes the tasks and teamwork necessary to perform such an operation. From this different models used in contextual inquiries are made. The models used are a physical model showing the layout of the room, a sequence model to clarify the work needed to be done and an artefact model showing what is used together with the robot.

3 RESULTS

The physical model shows the layout of the entire operation room and where the nurses move. This gives an overview of the operation room and how each nurse act in the room. The figure includes doors and their movement as well as cabinets. The layout is shown in Figure 3.1.

The sequence model is made from the handed out paper "Teoretisk og praktisk undervisning ved robotten som følgende"

The Artefact models are shown in Figure 3.2.

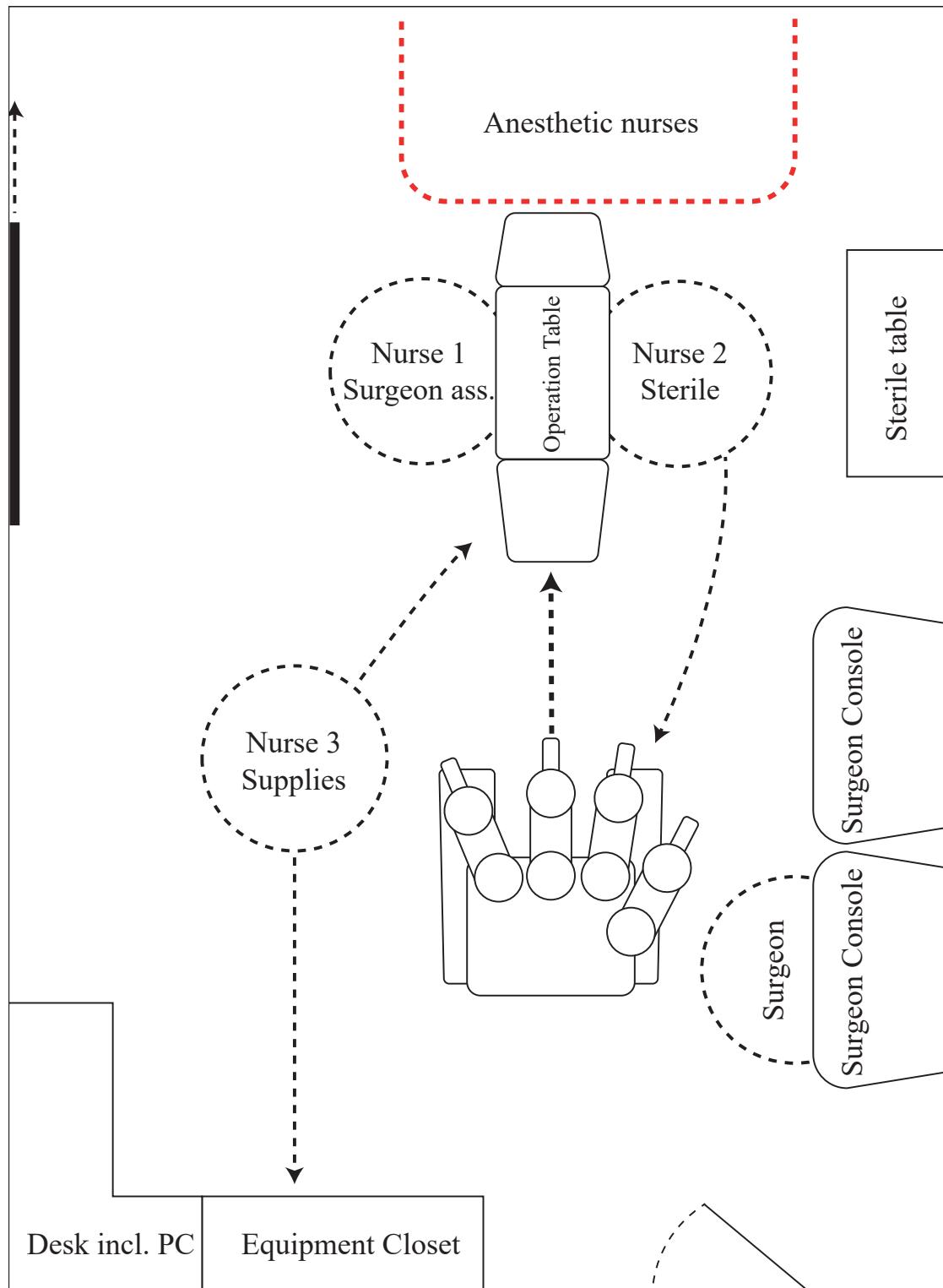
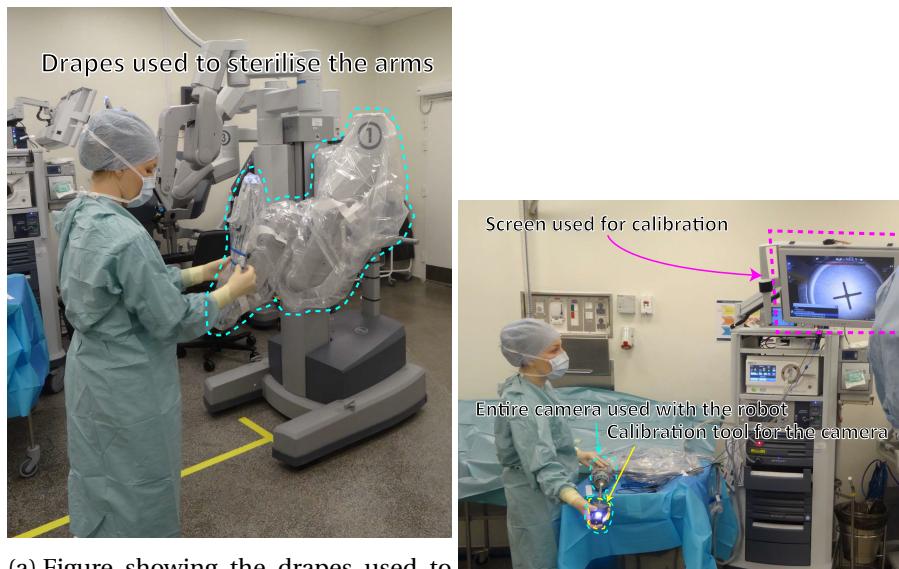


Figure 3.1: The physical model showing the layout of the operation room.



(a) Figure showing the drapes used to cover the arms of the robot, sterilising them. (b) Figure showing the camera used with the robot and a calibration tool.

Figure 3.2: The figures show the artefacts used with the robot.

4 CONCLUSION