Simulation Labs - Nursing SimLab A

Equipment Guide

### Instructor Application

The Instructor Application is used to control SimMan Manikins. The application is available on the Dell LEAP Instructor laptops in the control room. These laptops may also be connected in SimLab A via an Ethernet cable to Port 14.

- SimLab A - Dell E5540 Bethel #13197, IP 10.2.42.28
- SimLab B - Dell E5540 Bethel #13196, IP 10.2.42.29

### Patient Monitors

The Patient monitors are wall mounted all in-one USB Elo touch screens that display an interactive screen fed from the LEAP Instructor laptop in the control room.
SimView Recording and Debrief System

SimViewTM is an integrated debriefing solution that captures and records audio and video of simulation and other learning activities. Each simulation action can be recorded, studied, replayed and logged to give you and learners every opportunity to evaluate each learning experience completely.

The SimView systems are located in the SimLab Control Room.

http://simviewb.nursing.bethel.edu
http://simviewa.nursing.bethel.edu

SimMan Manikins

SimMan manikins are an advanced patient simulation system that facilitates training of Basic and Advanced Life Support. SimMan manikins are controlled from the Laerdal Instructor Application.

Network Camera

Two AXIS P5534 PTZ Dome Network Cameras are located in SimLab A, SimLab B, and in the Med Room.

http://hc231a-cam.nursing.bethel.edu
http://hc230-east-cam.nursing.bethel.edu
http://hc230-west-cam.nursing.bethel.edu
http://hc231-west-cam.nursing.bethel.edu
http://hc231south-cam.nursing.bethel.edu
Quick Reference Guide for Starting Simulation

1. Starting Manikin
   1. Locate the power panel on the right hip of the manikin plug in the power adaptor and press the on button to power on the manikin.
   2. Wait approximately two minutes until the manikin is breathing and the chest rise commences before moving onto next step.
   3. See troubleshooting guide if problems are encountered.

2. Preparing Sim Man
   1. Connect SpO2 probe
   2. Put blood pressure cuff on left arm - connect tube to BP (port located left side down from axilla).
   3. If fluid or blood is required for the scenario roll the right leg skin down to expose the fill panel.
   4. Fluid - Fill the fluid (distilled water only) bottle and tighten cap.
   5. Connect the blue tube from the bottle to the appropriate fluid inlet located on the fill panel (R leg), and the black tube to the air inlet.
   6. Push the fill button on the panel. The button will light up and fluid will flow into the manikin.
   7. When the flow stops disconnect the fluid bottle.
   8. Push the fill button on the panel - the light will go out.
   9. Blood - Fill the blood (distilled water only and 5-10 drops of Laerdal Blood coloured concentrate) bottle and tighten cap.
   10. Connect the red tube from the bottle to the appropriate fluid inlet located on the fill panel (R leg), and the black tube to the air inlet.
   11. Push the fill button on the panel. The button will light up and fluid will flow into the manikin.
   12. When the flow stops disconnect the fluid bottle.
   13. Push the fill button on the panel - the light will go out.

3. Power on the Patient Monitor
   1. Press the On button to turn on the Patient Monitor.

4. Setup the Instructor PC
   1. Ensure that headset is plugged in to Instructor Application PC.
   2. Start Instructor Application PC if required.
   3. Start the Instructor Application software located on the.
   4. The Voice Conference Application opens automatically.
   5. In the voice conference application select options and ensure that headphones are selected as device for speakers and microphones.
   6. Select required Sim man 3G manikin to connect to.
   7. Select either Auto mode or Instructor mode.
   8. Select the required patient case or scenario.

5. Setup Simview Recording
   1. Prior to commencing session ensure that required cameras and patient monitor are selected.
   2. Recording will commence when SimMan is started.
   3. Select Debrief option when completing session to save recording.