RIVERSIDE CITY COLLEGE
SCHOOL OF NURSING

Policy and Procedure: Simulation Supply and Equipment Management

In the Parkview Community Medical Center Virtual Hospital (PCMCVH) and School of Nursing (SON) Learning Labs (LLs) there are low, medium, and high-fidelity task trainers and Human Patient Simulators (HPS) that are specifically designed to assist participants in applying their knowledge, skills, and attitudes needed to provided quality, safe, evidence-based, patient-centered care. The PCMCVH has 4 simulated patient rooms that contain the following high-fidelity HPS: 3 adult, 1 obstetric, 1 pediatric, and 1 newborn. The LL has 18 multi-use, curtained, patient care areas with low and medium-fidelity HPS. At each bedside in the PCMCVH and LL, there are functional hospital beds, simulated headwalls that contain oxygen flowmeters and suction devices, IV pumps, enteral feeding pumps, vital sign machines, and other clinical practice equipment. These learning environments have been designed to provide participants with a realistic learning environment to perform contextualized simulated educational activities. The LL, through the use of SimPad+, allows for medium-fidelity HPS to be programmed and controlled to enhance simulation educational activities.

The PCMCVH also houses audio-visual equipment such as multiple in-room cameras and microphones, editing software, remote viewing options, and video monitoring that allows facilitators to view and manage the simulation educational activity, using specialized software, outside of the simulation room.

General Care & Maintenance

The following procedures have been developed to maintain proper function of the HPS and simulation equipment:

HPS Care:

- Only pencils may be used in the PCMCVH and LL. This prevents the marking of the mannikins with ink that is not removable (ex. Sharpie, pen, etc.).
- Do not poke HPS with sharp objects to prevent marking or tears of the skin. If a scenario requires injection or IV, additional devices designed for this purpose will be utilized in the scenario.
- To prevent staining of the HPS students are instructed to avoid the use of betadine, chlorohexidine or any substance that may stain. If staining occurs, notify the Director of Simulation/Learning Labs, Nursing Simulation Lab Specialist (NSLS), and/or Nursing Skills Lab Technician (NSLT) immediately.
- Use mild soap, warm water, and a soft cloth to clean HPS.
- Lubricate pathways prior to the insertion of any tube with approved lubricant (airway, nasogastic, urinary, etc.).
- No humans are to be in the bed except during approved activities.

- Use proper body mechanics when repositioning HPS. HPS are not to be moved unless approved by trained personnel.
- Cleaning of the HPS is based on the usage. All adhesives must be removed at the end of each learning session.
- Each bedside, including HPS, HPS parts, bed, headwall, equipment must be put back in order at the end of the learning sessions. Compressors must be turned off at the end of each simulation educational activity.

Supplies & Inventory:

- The NSLS is responsible for ordering, stocking supplies/equipment, and maintenance of the HPS in the PCMCVH in consultation with the Director of Simulation/LLs, Simulation Experts, and Simulation Facilitators.
- There are designated storage cabinets for the storage of supplies used during simulation educational activities that are conducted in the PCMCVH. The storage areas are only accessible to participants during their assigned simulation educational activities and are supervised by the Simulation Experts, Simulation Facilitators and/or NSLS. The storage cabinets in the PCMCVH, that also contains syringes and other sharps, are kept locked and are only unlocked during simulation educational activities. Storage cabinets are labeled on the outside to indicate the supplies stored in each cabinet.
- Two large storage rooms are available for storage of supplies and equipment (one is located on the first floor and one on the second floor). Supplies are obtained from these storage areas to restock the PCMCVH and LLs as needed.
- Faculty scheduled to staff the open LL provide students healthcare supplies from the supply storage room as needed for practice.
- Medications and supplies used for simulation educational activities are marked with a green highlight. The green highlight indicates that medications and supplies are for simulation educational activity purposes only. There are some items that are already pre-labeled for non-patient use.

Equipment Management:

- Warranty and preventative maintenance agreements are in place to ensure that equipment is properly maintained.
- The NSLT is responsible for overseeing the maintenance of the HPS in the LLs.
- The NSLS and/or NSLT troubleshoot HPS or equipment related problems in the PCMCVH/LLs and if unresolved, report problems to the Director of Simulation/LLs. If unable to resolve the problem, the vendor(s) will be contacted to determine the next steps, including return of equipment for repair if necessary.
- The SON maintains a contract with Level 3 to maintain the simulation audio-visual equipment and software used in the PCMCVH.
- Biomedical equipment is checked on an annual basis or as needed, by a contracted vendor (EnBio), to ensure that equipment is safe and functional for participant use.
- To ensure that the HPS and equipment are properly used, all participants are oriented to the HPS, supplies, and equipment as part of the pre-briefing process for each simulation

educational activity conduced in the PCMCVH and is conducted by the NSLS. Orientation to HPS, supplies and equipment in the LLs is done by Simulation Experts, Simulation Facilitators, and/or course-level nursing faculty.