

Recommended Surgical Technology Laboratory Needs

Surgical Technology Laboratory Needs

Critical education and training concept:

The more the lab looks like and is run like a real OR the better prepared the students will be to enter clinicals.

General

- Ability to run two mock surgical procedures concurrently
- Storage area that also serves as a mock sterile supply room
- Access to a “flash” sterilizer

OR (minimum)

- 1 OR space with a functional overhead light
- 1 fully functional OR table with routine attachments
 - armboards
 - ob-gyn lithotomy attachments
 - kidney position attachments
 - shoulder braces
 - foot board
 - safety strap
 - 3 sets of OR bed sheets, lifters and pillow cases
- 2 rolling chairs
- 4 IV poles
- 1 anesthesia machine (need not be functional)
- 1 electrocautery machine (need not be functional)
- 3 Mayo stands
- 3 Back tables
- 2 Kick buckets
- 3 Ring stands
- 2 Linen hampers
- 1 Transportation gurney (may be shared with OR)
- If only one OR table, 1 other table on which manikins can be placed
- 2 manikins for mock surgery
 - at least one must be anatomically capable of being draped for lithotomy and orthopedic procedures
- Access to fully operational laparoscopic equipment

Instruments

- 2 complete laparotomy sets
- OB/GYN instrument set with instruments for abdominal hysterectomy, vaginal hysterectomy, D & C, C-section
- Basic orthopedic instrument set
- Basic GU instrument set that includes TURP instruments
- GI instruments

- Various general surgery instrumentation for procedures such as thyroidectomy, trach, etc.
- Laparoscopic instrumentation with scopes, cameras, light cords, etc.
- Adequate supply of accessory supplies
 - suction tubing
 - electrocautery knives
 - hemostats etc. for peel pack delivery
 - light handle covers

Supplies (secure unused items from the OR to build the sterile supply area)

- Initially one appendectomy model or similar per student for clinical readiness exams + 10 for practice in lab (after first year keep clinical readiness models for practice and buy one per student)
- One basic pack per student for clinical readiness + 6 for practice (make students refold packs for practice and keep the first year's packs for clinical readiness for the following years practice (buy one per student per year after that)
- Sponges
- Dressings
- Tape
- Grounding pads
- Prep trays
- Foley catheter trays
- Syringes of different sizes and types
- Needles of different sizes and types
- Knife blades
- Wide assortment of suture (mock procedures are performed as realistically as possible)
- Empty but properly labeled medicine bottles (all local anesthetic agents, some anesthesia drugs, IV set ups, emergency drugs) [Place sign where ever these are kept stating that these are NOT real medications]
- Access to samples of supplies related to specialty areas (ex. Cast materials)
- Gowns
- Masks
- Hair covers
- Gloves (sterile and non-sterile)
- Sharps containers
- Biohazardous waste boxes and liners (samples)
- Sterilization wrappers
- Peel Packs
- Tape
- Sample biologic and other sterilization indicators