



OUTCOMES OF SURGICAL TECHNOLOGY PROGRAM GRADUATES

PRE-OPERATIVE OUTCOMES	AS EVIDENCED BY:
1. Demonstrate the principles involved in donning or doffing surgical attire.	Shirt is tucked in, all hair and ears are covered, fluid resistant shoes, (with shoe covers). No jewelry. Facial piercings must be contained.
2. Demonstrate the role of the surgical technologist in the application of surgical supplies and preparing the O.R. for the surgical procedure.	Gathers/checks case supplies according to surgeon's preference card as well as specific patient needs include x-rays, diagnostic tests and/or lab values, positioning aids and other equipment needed for the case.
3. Demonstrate opening sterile supplies as well as demonstrating the procedure to correct contamination during the opening process.	Opens sterile supplies using proper aseptic technique. Student checks external indicators for sterile exposure. Identify and correct breaches in sterile technique including instances of dropped instruments or supplies, and accidental contamination of the sterile field.
4. Demonstrate the steps of performing surgical hand scrub.	Observes proper time/technique according to policy. Recognizes breaks in technique and corrects them appropriately.
5. Apply the principles of asepsis to gowning and gloving of self.	Maintains sterility of gown and gloves using the closed gloving technique. Should contamination occur, the student makes the necessary corrections.
6. Apply the principles of asepsis to gowning and gloving other team members.	Forms protective cuff for hands while holding gown in correct position. Holds gloves in correct position maintaining sterile technique. Recognizes & corrects breaks in technique.
7. Demonstrate the process of organizing the sterile field while applying the principles of spatial awareness.	Establishes routine set-up to place and organize instruments, towels, basins, drapes and supplies – procedure specific. Timely and organized. Movements are purposeful and smooth. Labels all medications/solutions properly. Observes whether internal indicators reveal exposure to sterilization process. Drapes and set-up Mayo stand and has knowledge of basic instruments.
8. Demonstrate the assembly, use, and care of various types of equipment.	Able to properly assemble equipment such as but not limited to laparoscopic, robotic etc.
9. Demonstrate the finalization of the sterile field.	Final verification of instrumentation and supplies needed for the procedure. Maintain integrity and minimize movement around the sterile field. Monitor the sterile field for contamination.
10. Demonstrate modifications to the sterile when a special circumstance occurs.	Responds to unexpected situations that may require modifications to the sterile field. Examples include contaminated supplies, patient emergency during the procedure, breach of the sterile field, change of procedure with addition of instrumentation and supplies.



PRE-OPERATIVE OUTCOMES	AS EVIDENCED BY:
11. Demonstrate the principles of asepsis when draping the patient, furniture, and equipment.	Maintains sterile technique, follows draping principles, organizes and passes drapes in correct order of use. (Without contamination; recognizes and corrects breaks in technique.)
12. Participation in the identification process of the surgical patient.	Participates in the Time-Out procedure by stopping to verify; patient, procedure, site, and side.

INTRA-OPERATIVE OUTCOMES	AS EVIDENCED BY:
13. Demonstrate proper sterile technique and methods for monitoring the sterile field.	Maintains sterile technique throughout the procedure. Recognizes breaks in technique, then initiates and carries out appropriate steps to correct these. Anticipates the surgeon's needs.
14. Demonstrates practicing Standard precautions.	Maintains proper PPE, in accordance with facility policy, in regard to using X-Ray shields, laser goggles, hood systems, etc.
15. Demonstrate managing medications & hemostatic agents.	Prepares medications properly and correctly labels medications. Repeats the doctor's order each time a medication is passed to a surgeon. Recognizes hemostatic agents and follows preceptor, surgeon, and/or circulator instructions for proper use and handling. Students also recognize manufacturer's instructions for use of the product.
16. Demonstrate the procedure for counting sponges, sharps, instruments, and accessory items on the field.	Follows organization's policies and procedures to conduct counts of sponges, sharps, and instruments. Separates sponges and counts each correctly and individually. Learn to initiate counts at appropriate times.
17. Demonstrate sharp safety and management.	Safely handles sharps according to facility policy and procedures. Loads knife blades with needle holder over sharps box. Use one-handed recapping technique for hypodermic needles, if recapping is necessary. Use instrument tip, and not fingertip, to count used items in the sterile sharps box (i.e. used suture needles). Utilizes the neutral zone when applicable.
18. Demonstrate correctly passing instruments.	Passes the instrument so that it is received in a position ready for use - for both left or right-handed surgeon/assistant.
19. Demonstrate techniques for tissue exposure.	Chooses appropriate retractors. Avoids applying excessive pressure when holding retractors. Proper use of suction and sponges to keep the field free of blood and fluid. Adjusts surgical lights for maximum illumination of the surgical site.
20. Demonstrates proper suture selection, preparation, handling and cutting techniques.	Loads and passes suture materials correctly, and as requested. Identifies the proper suture materials as expected according to the type of surgery and the surgeon's preferences. Loads and reloads stapling devices according to manufacturer's instructions.



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INTRA-OPERATIVE OUTCOMES	AS EVIDENCED BY:
21. Demonstrate electrical safety.	Inspects equipment and instrumentation for damage. Follows all operational guidelines. Notify staff of any equipment problems.
22. Demonstrate knowledge of operating the electrosurgical unit.	Monitors usage and ensures proper grounding to prevent shocks or burns. Returns ESU to holster after each use. Monitors for signs of malfunction during the procedure.
23. Demonstrates the proper care and handling of specialized equipment.	Demonstrates the proper handling of specialized surgical equipment and accessories according to facility policies. For example: robotics, endoscopic scopes, cameras, light cords, etc. Also power tools, microscopes, irrigation devices, etc.
24. Demonstrate the proper care, handling, and safety of lasers in the surgical setting and as it relates to the patient and healthcare provider.	Ensure that all personnel in the laser area wear appropriate laser safety goggles that are specific to the laser's wavelength. Use appropriate signage to indicate that lasers are in use, and limit access to authorized personnel only. Regularly inspect laser equipment for functionality and safety. Avoid using lasers near reflective surfaces that could redirect the beam unexpectedly.
25. Demonstrate point of use cleaning methods.	Keep instruments clean and free of visible debris using sterile water.
26. Demonstrate methods for handling and validating various types of specimens.	Identifies specimens and prepares the tissue or culture to be passed off to the circulator. Verifies that specimen label and patient information is accurate.
27. Demonstrate application and preparation of various type of dressings, catheters, & drains.	Demonstrates ability to clean the wound and patient prior to applying dressing, using aseptic technique, and according to the surgeon's request and preference. Demonstrates knowledge of proper handling for drains and catheters.
28. Demonstrate the transfer of care.	If there's a change in personnel (e.g., new scrub tech), the technologist ensures that the incoming team member is briefed on the patient's status, the progress of the surgery, counts, medications, solutions and any specific needs or considerations for the case.

POST-OPERATIVE OUTCOMES	AS EVIDENCED BY:
29. Demonstrates the breakdown of the sterile field.	Based on facility protocol, student dismantles instruments and equipment safely and carefully, and prepares them for processing following facility policies, and manufacturer's recommendations. Wears proper PPE.
30. Demonstrate the disinfection of the surgical environment.	Learns to assist with turnover duties, according to facility policy and procedure. May include housekeeping tasks.



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POST-OPERATIVE OUTCOMES	AS EVIDENCED BY:
31. Demonstrates the principles of safe patient transport and transfer.	Provides safe transfer of surgical patients and recognizes possible hazards to prevent injuries to the patient and perioperative team.

PROFESSIONAL BEHAVIOR OUTCOMES	AS EVIDENCED BY:
32. Demonstrates Initiative and interest in assignments.	Carries out assigned tasks willingly, creating an appreciation for both the importance and joy of learning.
33. Demonstrates accountability in recording surgical cases.	Maintains clinical log book; accurately documenting the requirements of the logbook daily. Student also maintains a computerized log, updated each week.
34. Demonstrates ethical conduct and understands the importance of HIPAA.	Displays respectful attitude toward staff, surgeons, and patients in the OR. including diversity factors such as; socio-cultural, socioeconomic, spiritual and lifestyle choices.
35. Demonstrate the key elements related to developing a surgical conscience.	Displays utilization of critical thinking skill by learning from mistakes and making changes to his/her behavior in order to prevent repetition of the same mistake in the future. Student has to recognize his/her own mistakes.
36. Demonstrate principles of teamwork in the surgical environment.	Follows directions in a positive manner, completes tasks effectively in a timely manner. Interacts effectively with team members. Offers help and support to others readily.
37. Demonstrate principles of communication in the surgical setting	Communicates effectively with staff, surgeons and faculty. Avoids unnecessary and inappropriate conversations.
38. Demonstrates punctuality/dependability.	Arrives on time to start in the morning. Stays on-site until 1530. Goes to break when instructed to do so, and returns within the allotted timeframe, ready to resume duty.
39. Provides a safe environment.	Maintains his/her own physical health and mental alertness and adheres to patient care safety measures.
40. Demonstrates adherence to program and facility policies and industry standards.	Adheres to NEIT, ST program, and facility policies. Follows pertinent policies from regulatory agencies such as; OSHA, CDC, The Joint Commission, etc.
41. Demonstrates commitments to learning by having excellent attendance.	Attends clinical as assigned with no absences.