

ARIZONA CTE CAREER PREPARATION STANDARDS & MEASUREMENT CRITERIA

SURGICAL TECHNICIAN, 51.0900.4	
STANDARD 1.0 – DEMONSTRATE BASIC SURGICAL SKILLS AND TECHNIQUES	
1.1	Apply basic surgical techniques in minor surgery
1.2	Apply basic surgical techniques in general surgery
1.3	Apply basic surgical techniques in OB-GYN surgery
1.4	Apply basic surgical techniques in plastic surgery
1.5	Apply basic surgical techniques in ENT surgery
1.6	Apply basic surgical techniques in ophthalmic surgery
1.7	Apply basic surgical techniques in orthopedic surgery
1.8	Apply basic surgical techniques in endoscopic (diagnostic) surgery
1.9	Apply basic surgical techniques in GU surgery
1.10	Apply basic surgical techniques in neurosurgery
1.11	Apply basic surgical techniques in cardio-thoracic surgery
1.12	Apply basic surgical techniques in peripheral vascular surgery
STANDARD 2.0 – PERFORM EMERGENCY PROCEDURES	
2.1	Demonstrate CPR
2.2	Assemble suction apparatus
2.3	Maintain sterile field during code situation
STANDARD 3.0 – PERFORM PREOPERATIVE PROCEDURES	
3.1	Assist in positioning and securing patient
3.2	Verify safe environment: check electrical equipment, sterility indicators, atmospheric conditions
3.3	Set up instrumentation
3.4	Measure and pour solutions (saline and water)
3.5	Drape Mayo tray and stand

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3.6	Drape patient for surgery: abdominal, extremity, head/face
3.7	Assist surgeon in gowning and gloving
3.8	Don and remove sterile gown and gloves
3.9	Select equipment and supplies according to surgical procedure
3.10	Assist in connecting ground wire to patient and connecting patient to electro-cautery unit
3.11	Assist in transferring patient to and from bed or stretcher and operating room table
3.12	Assist in precepting personnel to proper operating room procedure
3.13	Prepare or update case and procedure cards for surgery
3.F4	Transport patient by stretcher, litter, and gurney
3.15	Assist in removing a cast
3.16	Prepare surgical instruments according to surgical procedure
3.17	Do initial surgical count according to surgical procedure in coordination with RN circulator
STANDARD 4.0 – APPLY SAFETY PROCEDURES	
4.1	Provide a safe, clean, and comfortable environment for the patient
4.2	Locate fire alarms/exits and explain fire safety procedures in the operating room
4.3	Demonstrate proper body mechanics
4.4	Explain chemical hazards and procedures to follow in case of chemical spill or contamination
4.5	Identify other environmental safety hazards, prevention methods, and disaster plans
4.6	Inspect emergency equipment and supplies for operation and quantity
4.7	Demonstrate proper handling of sharps
4.8	Demonstrate fire safety procedures
STANDARD 5.0 – PERFORM STERILIZATION PROCEDURES	
5.1	Perform sterilization of instruments and supplies (steam)
5.2	Perform flash sterilization of instruments
5.3	Perform instruments (System I par acetic acid), i.e., Steris

These technical knowledge and skill standards were validated by a Skill Standards Validation Committee on August 14, 2007, and used in the adaptation, adoption, and development of test items for pilot testing in Spring 2009.

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5.4	Disinfect instruments (activated dialdehyde or glutaraldehyde solution)
5.5	Package and wrap instruments, trays, and supplies for sterilization
5.6	Assemble instrumentation for sterilization
STANDARD 6.0 – PERFORM POSTOPERATIVE PROCEDURES	
6.1	Measure suction container contents
6.2	Prepare supplies and instruments for sterilization
6.3	Demonstrate terminal disinfection
6.4	Apply sterile dressings
6.5	Disconnect electrosurgical unit
6.6	Assist in applying a cast
6.7	Clean operating room and equipment
6.8	Prepare tissue specimens for laboratory analysis
6.9	Replenish used equipment, utensils, linens, and disposable materials
6.10	Count and store operating room equipment and supplies
Standard 7.0 – PERFORM OPERATIVE PROCEDURES	
7.1	Perform surgical counts in coordination with RN
7.2	Prepare and pass instruments
7.3	Prepare and handle suture material
7.4	Connect electrosurgical equipment
7.5	Assemble drains and equipment
7.6	Aspirate incision
7.7	Maintain sterile field (basins, patient, tables)
7.8	Identify/report breaks in aseptic technique
7.9	Measure and empty contents of suction containers
7.10	Check, accept, and label medication from circulating nurse

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7.11	Assist in performing circulating duties under direct supervision of RN
STANDARD 8.0 – APPLY INFECTION CONTROL PRACTICES	
8.1	Demonstrate blood borne pathogens and the exposure control plan for staff and students in the operating room
8.2	Decontaminate instruments and equipment
8.3	Perform intermittent and terminal cleaning of operating rooms
8.4	Implement standard precautions and infection control measures