DACUM Research Chart for Operating Room Circulating Nurse

DACUM Panel Members
Lydia Helen Mormann
San Antonio Community Hospital
Upland, CA
Louise Nowel
Hoag Memorial Hospital
Newport Beach, CA
Patricia Sponberg
Mission Hospital
Mission Viejo, CA
Patricia G. Felice Meckes
Kaiser Permanente
Downey, CA
Pamela Giblin
Saddleback Memorial Medical Center
Laguna Hills, CA
Judith A. Kidd
Fountain Valley Regional Hospital
Fountain Valley, CA

DACUM Facilitator
Mary O'Connor
South Orange County Community College District
Anaheim, CA

DACUM Supervisor
Joanne Gray
RHORC Project Director
Saddleback College
Anaheim, CA

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Grossmont College
Leadership and Economic Development Institute
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El Cajon, CA 92020

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The operating room circulating registered nurse is the member of the peri-operative team who serves as a patient advocate by assessing, planning, implementing, and evaluation care of the surgical patient during the intra-operative period to optimize peri-operative outcomes.

### Duties

#### A Prepare/ Open Operating Room Suite
- A-1 Review surgery schedule
- A-2 Inspect room cleanliness
- A-5 Obtain proper instrumentation supplies according to preference card
- A-6 Ensure inventory of stock room equipment
- A-8 Monitor sterile technique during set up of sterile field
- A-9 Set up invasive lines
- A-10 Perform initial count of equipment/supplies

#### B Obtain Specialty Equipment By Preference Card
- B-1 Verify laminar flow is turned on
- B-2 Prepare operating room table
- B-3 Select/prepare video carts
- B-4 Prepare sequential compression devices
- B-5 Prepare laser equipment
- B-6 Prepare positional devices
- B-7 Prepare microscopes
- B-8 Prepare smoke evacuator
- B-9 Prepare suction device (e.g., Cav Ultrasound Suction equipment, Berkeley Suction)
- B-10 Prepare warming devices
- B-11 Prepare orthopedic equipment
- B-12 Prepare auto transfusion
- B-13 Prepare power equipment

#### C Complete the Patient Pre-Op Assessment
- C-1 Identify the patient
- C-2 Review the medical record
- C-3 Validate the pre-op checklist
- C-4 Review the patient physical/psychosocial assessment
- C-5 Interview the patient
- C-6 Reinforce patient education
- C-7 Verify the surgical site
- C-8 Report abnormal findings to surgeon and anesthesiologist
- C-9 Verify presence of surgical team
<table>
<thead>
<tr>
<th>D</th>
<th>Prepare Patient for Surgical Procedure</th>
<th>D-1 Admit patient to operating room suite</th>
<th>D-2 Apply monitor devices</th>
<th>D-3 Provide psycho-social support prior to induction</th>
<th>D-4 Assist with induction of anesthesia</th>
</tr>
</thead>
<tbody>
<tr>
<td>D</td>
<td></td>
<td>D-5 Position the patient for the procedure</td>
<td>D-6 Prep the surgical site</td>
<td>D-7 Assist with sterile gowning</td>
<td>D-8 Assist with sterile draping</td>
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<tr>
<td>D</td>
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<td>D-9 Apply additional devices in patient per procedure</td>
<td>D-10 Connect all equipment</td>
<td>D-11 Confirm consent with surgical team prior to incision</td>
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<tr>
<td>E</td>
<td>Supervise Intra-operative Case</td>
<td>E-1 Supervise labeling of solutions and medications on sterile field</td>
<td>E-2 Monitor need for additional sterile supplies</td>
<td>E-3 Monitor safe use of equipment (e.g., fire safety)</td>
<td>E-4 Manage handling of specimens</td>
</tr>
<tr>
<td>E</td>
<td></td>
<td>E-5 Perform all required counts</td>
<td>E-6 Monitor for potential hazards</td>
<td>E-7 Maintain environmental controls, including traffic</td>
<td>E-8 Monitor and document additional procedures not consented</td>
</tr>
<tr>
<td>E</td>
<td></td>
<td>E-9 Troubleshoot equipment</td>
<td>E-10 Communicate patient progress to family/significant other</td>
<td>E-11 Report progress of case to front control desk</td>
<td>E-12 Monitor activities of non-hospital personnel</td>
</tr>
<tr>
<td>E</td>
<td></td>
<td>E-13 Ensure sterility of instruments and equipment</td>
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<tr>
<td>F</td>
<td>Provide Support to the Anesthesia Provider</td>
<td>F-1 Provide additional medications, supplies, and equipment</td>
<td>F-2 Assist with additional procedures (e.g., spinal, blood draws)</td>
<td>F-3 Respond to emergency situations</td>
<td>F-4 Verify blood products with provider</td>
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<tr>
<td>F</td>
<td></td>
<td>F-5 Monitor blood loss/urine output</td>
<td>F-6 Provide point of care testing (e.g., glucose, H&amp;H)</td>
<td>F-7 Assist with extubation</td>
<td>F-8 Assist with transport of patient from the operating room</td>
</tr>
<tr>
<td>G</td>
<td>Prepare Patient for Discharge</td>
<td>G-1 Assist with application of sterile dressing</td>
<td>G-2 Assist with caring/splinting surgical site</td>
<td>G-3 Assist with removal of surgical drapes, supplies</td>
<td>G-4 Evaluate patient outcomes (e.g., skin integrity related to pressure and devices)</td>
</tr>
<tr>
<td>G</td>
<td></td>
<td>G-5 Discharge from operating room</td>
<td>G-6 Provide report to receiving unit</td>
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<tr>
<td>H</td>
<td>Complete Required Peri-Operative Documentation</td>
<td>H-1 Complete pre-operative documentation</td>
<td>H-2 Complete intra-operative documentation</td>
<td>H-3 Validate use of chargeable supplies</td>
<td>H-4 Complete documentation for implants/explants</td>
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<tr>
<td>H</td>
<td></td>
<td>H-5 Complete flash sterilization log requirements</td>
<td>H-6 Update preference cards</td>
<td>H-7 Report unusual occurrences</td>
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<tr>
<td>I</td>
<td>Supervise Room Turnover</td>
<td>I-1 Remove equipment and supplies from previous case</td>
<td>I-2 Remove contaminated supplies and bio-hazardous waste</td>
<td>I-3 Facilitate room clean up by ancillary personnel</td>
<td>I-4 Inspect room readiness for next case</td>
</tr>
<tr>
<td>J</td>
<td>Monitor Patients Receiving Moderate Sedation/Analgesic</td>
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<tr>
<td>J-1</td>
<td>Review medical record pre-operatively</td>
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<tr>
<td>J-2</td>
<td>Assess patient vital signs and airway</td>
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<td>J-3</td>
<td>Administer I.V. sedation medication</td>
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<td>J-4</td>
<td>Monitor response to sedation &amp; adverse reactions</td>
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<td>J-5</td>
<td>Monitor level of pain</td>
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<td>J-6</td>
<td>Complete conscience sedation monitoring documentation</td>
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<table>
<thead>
<tr>
<th>K</th>
<th>Maintain Professional Responsibility</th>
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<tbody>
<tr>
<td>K-1</td>
<td>Maintain professional competencies</td>
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<tr>
<td>K-2</td>
<td>Serve as a preceptor</td>
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<tr>
<td>K-3</td>
<td>Serve as a mentor</td>
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<tr>
<td>K-4</td>
<td>Provide inservice to staff</td>
</tr>
<tr>
<td>K-5</td>
<td>Facilitate student rotation &amp; experience in operating room</td>
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<tr>
<td>K-6</td>
<td>Ensure cost containment</td>
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<tr>
<td>K-7</td>
<td>Monitor product quality</td>
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</tbody>
</table>
Future Trends and Concerns
- Aging of the OR nurse population
- Aging population
- Alternative sites for surgical services
- Bio terrorism
- Brushless/scrubless scrub
- Changing/expanded roles
- Complex technology
- Computer technology
- Cost containment
- Declining employee benefits
- Environmental awareness
- Health care reform
- Increased outpatient surgery
- Legislation related to healthcare
- Less loyalty to institution
- Managed care
- Medical/ethical issues
- Minimally Invasive procedures
- Multi drug resistant - organisms
- National certification
- Opportunities for professional growth
- Rapidly changing advanced technology
- Recycling of products by manufacturing
- Reduced reimbursement
- Robotics
- Sharing manpower resources
- Shortage of health care professionals
- Social/health issues
- Staffing ratios of RN
- Violence in the workplace

General Knowledge and Skills
- Ability to translate complex issues into layman’s terms
- Age-specific competencies
- Analytic skills
- Anatomy & physiology
- Aseptic practices
- Basic math - metric system/conversion
- Body mechanics
- Chain of command
- Communication skills
- Communication verbal/written
- Computer skills
- Confidentiality
- Conflict management
- CPR
- Cultural awareness
- Decision making skills
- Electrical safety
- Emergency codes
- Employee rights
- English
- Equipment operation
- Ethics
- Fire safety
- Hazardous materials
- Hospital departmental P&P
- Infection control
- Interpersonal skills
- Interpret medical safety data sheet (MSDS)
- Knowledge of current trends and developments in the area of practice
- Knowledge of lab values
- Knowledge of medical records
- Knowledge of professional organizations
- Knowledge of unit-specific equipment
- Laser safety
- Leadership qualities
- Legal responsibilities/issues
- Listening skills
- Mechanical skills
- Medical terminology
- Microbiology
- Negotiation skills
- Nursing process
- Organizational skills
- Pathology of diseases
- Patient rights
- Pharmacology
- Physics
- Policies and procedures
- Prioritization of work
- Problem solving skills
- Professional behavior
- Professional State & Fed. Regulations - OSHA, CMS, DHS, AORN, APIC, AMMI
- Problem solving skills
- Prioritization of work

Tools, Equipment, Supplies and Materials
- "free"
- 2 x 2's
- 4 x 4
- 4 x 4's
- ABD Bio-adhesive Cast dressing
- Absorbable
- Air filtration systems
- All specialties
- Andrews table
- Anesthesia machine/monitors
- Antibiotics
- Anti-coagulants
- Antiseptics
- Argon
- Arthroscopic supplies
- Auto-transfusion devices
- Beepers
- BIS monitor
- blunt
- Bone bank
- Brain lab
- C.U.S.A.
- Candella
- Carbon dioxide
- Catheter/drains
- Central venous
- C-frame
- Chest
- cholangiocath
- clamps
- Collection bag/devices
- Compressed gases and regulators
- Coronary bypass pump
- Cottonoids
- Crash Cart
- Cryo Units
- cutting
- Defibrillator - pacemaker
- Dental rolls
- Disinfectants
- dissectors/elevators
- Doppler
- Drapes & packs
- Dressings
- Drugs & solutions
- Dyes
- EKG
- Electro surgical units & related patient safety
- Embolectomy
- Emulsifier
- End Tidal CO2 monitor
- endoscopes
- External fixators
- Eye pad
- Eye sponges
- Foley
- forceps
- fracture table
- Gamma knife
- Gauze
- Gloves
- Gowns
- graspers
- Harmonic scalpel
- Headlights
- Hemothostatic agents
- Holmium
- Hypo/hyper thermia units
- Implants
- Indigo
- Insufflators
**Tools, Equipment, Supplies and Materials**
- Irrigation solutions
- Irrigation/pumps
- Isolettes
- K.T.P./Yag
- Kitner
- Laminar equipment and headgear
- Laps
- Lasers
- Latex allergy precautions and related safety
- ligating clips
- Light sources
- Lights
- Liquid dressings
- Lithotriptors
- Local anesthetics
- Loupes
- Malignant hyperthermia cart
- Masks
- Microscopes
- Myringotomy
- Naso-gastric
- Needleholders
- Needles
- Non-absorbable
- Non-adhesive
- O.R. furniture
- Packing
- Penrose
- Peri-pad
- Phaco machine
- pop offs
- Positioning equipment
- power equipment
- probes/dialators
- Pulse oxymetry
- Radioactive materials
- retractors
- reverse cutting
- Robinson
- Sentinel nde monitor
- shoulder chair
- Smoke Evacuators
- Specialty trays
- Sponges
- Spotlights
- Staples
- Stents
- Stereotactic equipment
- Sterilizers
- Steri-strips
- Steroids
- Suction equipment
- suction tips
- Surgical instruments
- Sutures
- Swabs
- taper
- Tapes
- Tonsil sponges
- Topical ointments
- Tourniquets
- Trach tube, drains, suctions, etc.
- trocar
- T-tube
- Tubes
- Ultrasound
- Urethral
- Urethral myringotomy
- Vascular caths
- Vascular grafts
- Vasodilator/constrictors
- Ventricular cath
- Video/cameras, recorders, printers, monitors
- Warming lights
- Wound drain
- X-Ray, fluoroscopy

**Worker Behaviors**
- Desire to learn
- Flexible
- Intuitive
- Manual dexterity
- Mechanically inclined
- Multi tasking
- Organized
- Patient
- Patient advocate
- Personal appearance
- Personal hygiene
- Punctual
- Receptive
- Reliable
- Respectful
- Responsible
- Role model
- Self directed
- Sense of humor
- Stamina
- Tactful
- Team player