

Nursing management in perioperative environment : best exploitation of recommended practices

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Introduction and Focus of interest

- Management of the operating room has become increasingly challenging and complex.
- New responsibilities mean a manager must be competent in a wide spectrum of activities.
- The need for strong systems thinking is paramount for managers.
- One of the many challenges facing OR nurse manager in small or large health care facilities is compliance with regulated issued

Introduction and Focus of interest

- Please, when you will be back on your facility next week, please, open your OR procedural book or your Surgical material checklist book !
- And observe !!!

Method

- Throughout various national and international recommended practice and guidelines in
 - OR management fields,
 - Clinical practices
 - Infection control,
 - Patient, worker and visitor security,
 - European directives,
 - Environment and waste regulation
 - Human resources and professional development

this study try to list most items to be considered overall.

Method

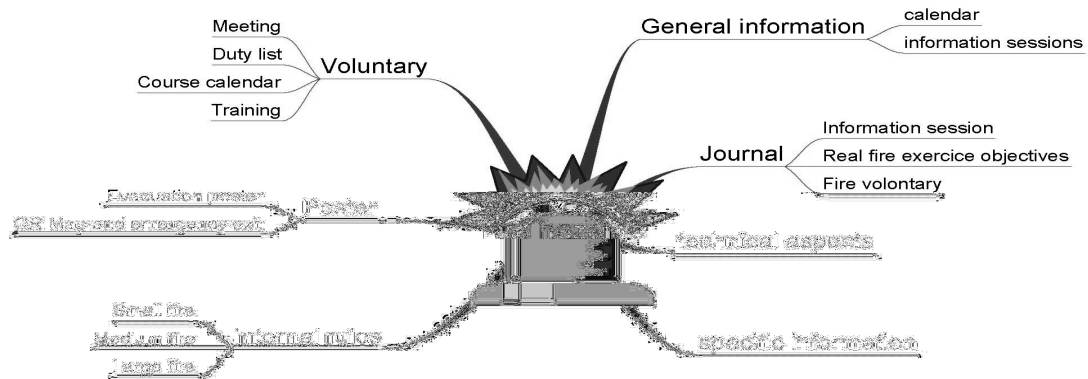
- Questions are : why, what, how, who, when
- Example of fire regulation and prevention in OR theatre
 - Why :
 - What :
 - How :
 - Who :
 - When :

Method

- Questions are : why, what, how, who, when
- Example of fire regulation and prevention in OR theatre
 - Why : legal regulation law and guidelines, internal request, crews and patients safety, technical adaptation ...
 - What : evacuation flow, fire resistance material, technical aspect of the main building, fire security program, smoke evacuation, drills, evacuation exercise, patient security program, laser practice, ...
 - How : by apply or develop guidelines, by information campaign, by checklist application, by learning program, by training program, by collaboration with other interested department (technical service, fire prevention department), by duty list establishment, by reference nurse or collaborator nomination, by job description adaptation, ...
 - Who : duties and job description of OR users, internal and external advisor, communication department, technicians, fire prevention officer, hospital fire department, city fire department, continuing education director, ...
 - When : every time an opportunity is offer to adapt but certainly check perioperative environment, agenda follow-up, formal courses, training follow-up, new collaborators arrival, annual regulated training...

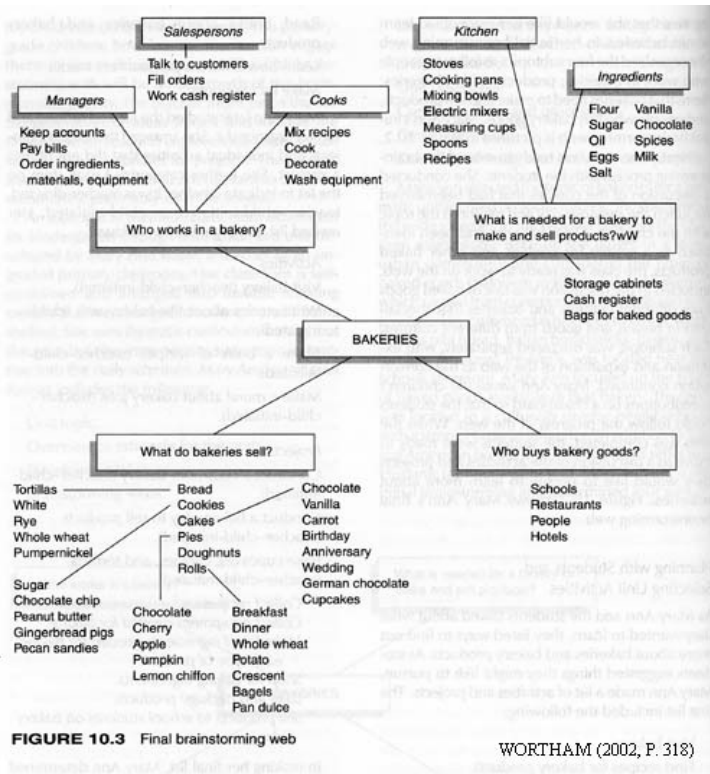
Method

- One difficulty for a manager is to classify what to do and when



Method

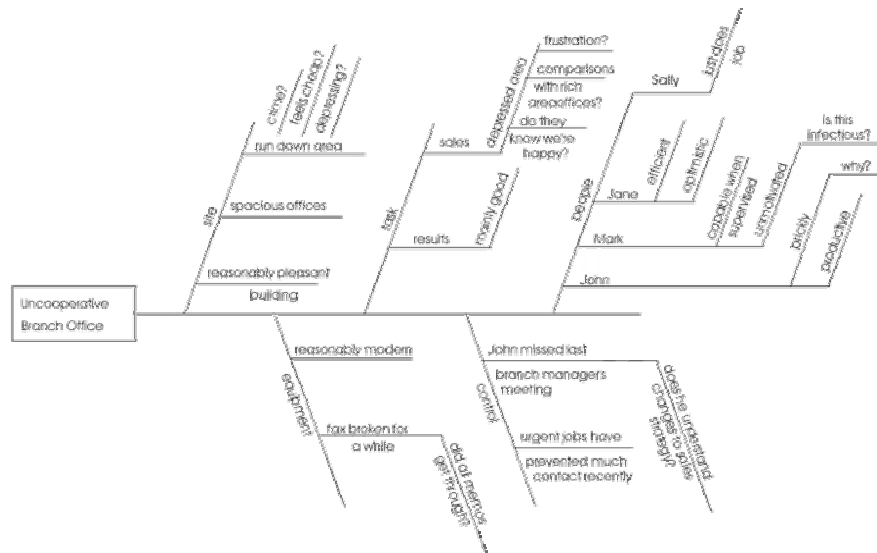
■ Brainstorming



Method

- fishbone / cause and effect diagram

Figure 1: Cause & Effect Diagram Example:
A Managers Analysis of Problems with a Branch Office

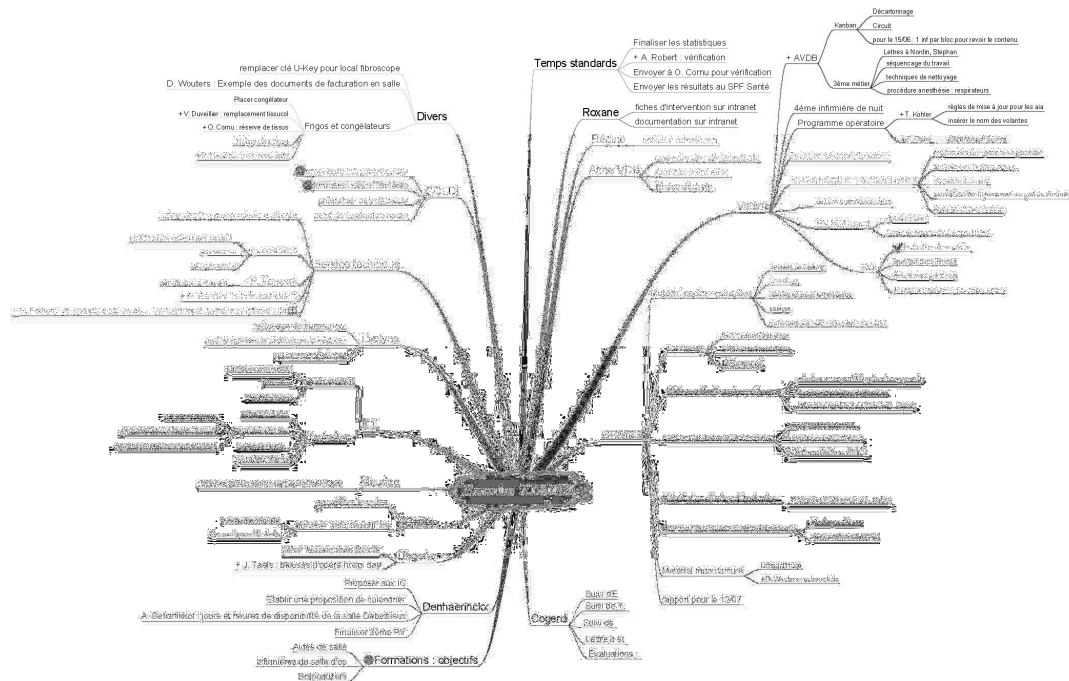


Method

- Brain mapping
- A **mind map** is a diagram used to represent words, ideas, tasks, or other items linked to and arranged around a central key word or idea. Mind maps are used to generate, visualize, structure and classify ideas, and as an aid in study, organization, problem solving, decision making, and writing.
- The elements of a given mind map are arranged intuitively according to the importance of the concepts, and are classified into groupings, branches, or areas, with the goal of representing semantic or other connections between portions of information. Mind maps may also aid recall of existing memories.

Method

■ Brain mapping



Other source

- K.A. Jordahl (1997) Designing an OR procedure book for small health care facilities, AORN Journal (October 1997), Vol 66, N°4, 696-696

Managerial aspects

2.1 Systems and department affects OR management

- Many departments involved in providing services or information for the operating room.
- The operating room is an excellent example of the importance of the application of systems thinking.
- The operating room manager, who is responsible for coordinating events, producing successful outcomes and using staff and resources effectively, is challenged, not only to visualize the many systems involved.
- Systems refer to the interrelated activities that produce outcomes.

Checklist for system management

- Surgical unit integration
 - Relationship between OR and surgical department
 - Physician access authorization
 - TOR
- Surgical procedure agenda
 - Regulation rules (children, one-day surgery, allergy, infected, ...)
 - Scheduling policy and procedures
 - Computer access
 - Training
- Patient education
 - Preadmission leaflet
 - Specific information about type of surgical procedures
 - Family and social information
 - Documentation flow (who, how, when and where inform patient)

Checklist for system management

- Family support and information
 - Preadmission leaflet
 - Specific information about type of surgical procedures
 - Family and social information
 - Documentation flow (who, how, when and where inform patient)
 - Preoperative waiting area
 - Family waiting area
 - Postoperative information
- Perioperative care of the patient
 - Preoperative assessment
 - Preadmission test results
 - Preoperative checklist
 - Authorization for and Consent to surgery

Checklist for system management

2.2 Administration and monitoring of performance improvement program

- The most efficient method to schedule elective surgical cases depend on the goals of the surgical suite.
- A surgical suite may want to:
 - Have good, predictable working hours for the nursing and anesthesia staff.
 - Care for all the patients its surgeons bring to the surgical suite each day.
 - Maintain a sufficiently high margin to sustain some growth.

Checklist for system management

- Surgical program management and scheduling
 - Sequence (children, one-day surgery, allergy, infected, ...)
 - Start on time
 - Urgent and emergent cases
 - Delay between two surgeons
 - Patient flow
 - Review and revise block time guideline
 - Patient tracking system
- Perioperative documentation
 - Perioperative care plan
 - Perioperative record
 - Preoperative record
 - Intraoperative record
 - Postoperative record – PACU

Checklist for system management

- Patient flow
 - OR workflow
 - Patient flow and coordination
 - Traffic flow
- OR performance monitoring
 - number of operation,
 - overtime,
 - costs,
 - cancellation rate,
 - complications,
 - surgery duration,
 - under and over-utilized time,
 - patient waiting time (key to better customer satisfaction and patient safety) (1)

(1) Operating room management : why, how and by whom? R. Marjamaa et al. in Acta anaesthesiol Scand 2008; 52: 596-600

Checklist for system management

2.3 Information and communication system for surgical services

- A large number of information systems are older products that do not offer the range of functions most perioperative managers want and need.
- Traditionally, ORs have been Islands of automation, with systems that worked well but didn't connect well to the mainland.
- OR managers are looking to turn those bridges into super highways.
- OR managers want
 - preference cards linked to the charging and materials management systems.
 - staff in the OR and postanesthesia care to have immediate access to the patient's record with lab results and medication history.
 - to be linked with physicians' offices to better coordinate scheduling.
 - easy-to-create reports for improving processes and managing costs

Checklist for system management

- Informatics
 - Budget
 - Software selection process
 - Vendor follow-up and maintenance contract
 - Hardware selection
 - Fire and electrical security inside the operating room
 - Type of integrated services digital network and datacomms network
 - Computer park inventory
 - Informatics restricted access
 - Links and integration between anesthesia, hospital, pharmacy, laboratory, inventory and OR management programs

Checklist for system management

- Informatics (2)
 - Links with informatics department
 - Training
 - Upgrade
 - Security system and backup
 - Emergency plan in case of informatics system crash
 - e-mail access
 - Firewall, restricted website access and forbidden website access
 - Data control access and sneak informatics system
 - Computer, mouse and keyboard cleaning

Checklist for system management

- Phone communication
 - Phone network
 - Phone or pager use and number list
 - New phone number attribution
 - Phone system upgrade and maintenance
 - Emergency plan without phone and communication system
- Data system transfer for pictures or video
 - System network
 - Type of material
 - Training
 - System upgrade and maintenance

Checklist for system management

- Written information
 - Guidelines and procedural book
 - Poster
 - Memo
 - Agenda
 - Internal journal
 - Internal E-mail
 - Intranet

Checklist for system management

2.4 Management of the Human resources

- The operating room is an excellent example of the importance of the application of system thinking
- Assuming good nursing practice in OR environment is a challenge for an OR manager and staffing adequately for hours of operation is essential. OR manager need to consider appropriate mix of staff, competency of each staff member and criteria for assigning staff

Checklist for system management

- Job description
 - Anesthetic nurse
 - Circulating nurse
 - Scrub nurse or instrument nurse
 - Registered nurse first assistant or perioperative nurse surgeon's assistant
 - Postanesthetic recovery nurse
 - Preoperative patient assessment nurse
 - Education nurse
 - Advanced practice nurse
 - Nurse practitioner
 - Ancillary worker

Checklist for system management

- Monthly planning
 - Mix of staff
 - Competency
 - Assigning criteria
 - Night and day shift
- Nurses selection
 - Interview
 - Professional CV
- Integration program
 - Training
 - Specialization and advanced training
- Retention program
- Professional development program
- Continuous learning

Checklist for system management

2.5 Legal requirement of surgery, nursing law and hospital environment

- Hiring, firing, disciplining, and evaluating staff.
- Staff education and capital budget responsibilities.
- Risk management on patient and worker

Checklist for system management

- Malpractice prevention (nursing law, nursing practice act, professional and/or institutional standards of care, attention to areas of know potential for injury, patient report, etc)
- Legal investigative process (notice to file claim, lawsuit, deposition, etc)
- EN or ISO norms (fire and electrical security, infection control prevention, product guidelines for manufacturer, air flow and gaze rules, ...)
- Legal records (injury, transmissible disease, nursing counts, perioperative nursing record, ...)

Checklist for system management

- Human resources (national labour relations act, harassment, sexual, racial and other forms, health care law, etc)
- Administrative law (professional licensure, occupational safety administration, national medical bodies for surgeon, specialized surgeons, anaesthesiologist, etc)
- System for informed consent and ethical bodies
- Patient identification (patient right, radioprotection, women and children protection law, patient safety, etc)

Checklist for system management

- Reducing radiological expose in the practice setting
 - Radiation safety procedure
 - X-ray machine control and maintenance
 - Badges, lead aprons and other protective equipment requirements
 - X-ray room identification
 - Procedure for handling radioactive materials
 - Contaminated radioactive waste evacuation

Checklist for system management

2.6 Environment conducive to ethical care

- Guidelines and procedures to create a climate to respect human dignity, privacy and confidentiality
- Guidelines allowing spiritual comfort of patient and families
- Guidelines determining that protects or charges comply with fraud and abuse statues
- Guidelines for “do not resuscitate” orders, participation in abortion or in-vitro fecundation, transplant and organ procurement, participation in experimental and futile surgery, ...
- Guidelines for observers in OR, vendor and sales representatives
- Guideline for death and family

Checklist for system management

■ 3. Financial aspects

■ 3.1 Fiscal resources

- Salary volume, financial incomes and outcomes, annual charges, ... by month and/or by year.
- In most country, fiscal management depend of national fiscal healthcare law.
- Nursing department prefer to manage healthcare worker volume in FTE (full time equivalent) than in salary volume.
- OR manager need to know national regulation rules and law regarding number of nurses required by Operating room, extra budget workers, or floating team possibility.

Checklist for system management

■ 3. Financial aspects

■ 3.2 Material resources

- OR suite is the most complex environment in the hospital structure. 50 % of healthcare article and products and equipment are used in the OR.
- Some of them need to be checked regularly
- Some of them need to be verified for usual use
- Selection and standardization products,
 - inventory control,
 - follow-up of sources of supplies,
 - good consumption and utilization of supplies and equipment.
- In 2008, a great world challenge is waste containing and OR manager and OR nurses have a central role in this matter. Reducing use of power, electricity, water, gaze, reducing packaging, wrapping, and over waste picking, concern know each OR staff members, from surgeon to nurses and other workers.

Checklist for system management

- Use and selection of barrier materials for surgical gowns and drapes
 - EN 13795
 - Selection of type of gown and drapes
 - Rational use of different types of gowns for different type of procedures
 - Custompack
- Products and medical devices evaluation and selection for the perioperative practice setting
 - Selection of products
 - Sample evaluation form
 - Product information

Checklist for system management

■ 4. Clinical aspects

■ 4.1 Framework for professional clinical practice

- OR nurses and manager need to apply standards of professional practices.
- An other sources of documentation is evidence-based protocols into professional practice.
- Some rules and policies are designed by each hospital or surgical unit like patient transportation protocol, inventory survey, good practice policy between central sterilization unit and OR theatre, ...
- Some policies are added by vendor to complex equipment.
- Assuming good nursing practice in OR environment is a challenge for an OR manager and staffing adequately for hours of operation is essential.

Checklist for system management

- **Use and care of endoscopes**
 - **Endoscope cleaning and sterilization or disinfection**
 - **Biomedical maintenance**
 - **Use of personal protective equipment for use, leak testing and staff member competency**
- **Surgical hands scrubs or rubs**
 - **Scrubbing performance**
 - **Rubbing performance**
 - **Products access**

Checklist for system management

- **Monitoring the patient receiving IV conscious sedation**
 - **Procedure for patient who choose conscious sedation**
 - **Perioperative staff members competencies for assisting with IV conscious sedation**
 - **Monitoring requirements for patients**
 - **Defining situations in which a monitor nurse and circulating and scrub nurses are needed**
 - **Written discharge instructions**
 - **Appropriate documentation**
- **Monitoring the patient receiving local anaesthesia**
 - **Monitoring requirements for patients**
 - **Competency levels of the perioperative nurse performing the monitoring**
 - **Defining situations in which skills greater than that of a perioperative nurse is needed**
 - **Defining situations in which a monitor nurse and circulating and scrub nurses are needed**
 - **Written discharge instructions**
 - **Appropriate documentation**

Checklist for system management

■ 4. Clinical aspects

■ **4.2 Management of the environment of care and risk management program**

- OR area is a high risk environment of care for patient, workers and visitors. To protect everybody against injury, infection, accident and to protect equipment and building against fire, water and electrical damage, OR manager and all workers need to follow a lot of rules of conduct
- In the same time, OR manager needs to identify risk in the OR, establishes a risk prevention and reduction program and incorporates all legal national or hospital aspects, includes this program into the hospitalwide risk management program, monitor events, occurrences and variances.
- Consider for example faulty equipment, disruptive behaviours, counting-, positioning-, equipment-, medication-, correct-side-, aseptic technique-related issues for patient safety

Checklist for system management

- **Documentation of perioperative nursing care**
 - **Record keeping**
 - **Sample records that include evidence of assessment, nursing diagnoses, outcomes identification, planning implementation and evaluation**
- **Infection control guidelines into OR practice :**
 - **Surveillance of surgical wound infections**
 - **Prevention of infection :**
 - **Surgical attire**
 - **Cover gowns**
 - **Hair covers**
 - **Masks**
 - **Jewellery**
 - **Fingernails**

Checklist for system management

- **Surgical suite cleaning**
- **Standard precautions**
- **Antibiotic prophylaxis guidelines**
- **MRSA or KJ disease management**
- **Environmental control :**
 - **Temperature / humidity**
 - **Air flow / exchanges**
 - **Filters**
 - **Traffic pattern**
 - **Surgical attire**

Checklist for system management

- **Employee health :**
 - **Hepatitis**
 - **Respiratory infection**
 - **Latex sensibility**
 - **Back pain (ergonomic)**
 - **Fatigue factors**
 - **Sales, visitors and students guidelines**
 - **Communication of isolation status**
- **Personal protective items availability for workers like :**
 - **barriers (gloves, gowns, masks, eye and ear protection),**
 - **Sharps safety (devices, needle and blade safety products, safe passing zone, disposal),**
 - **radiation exposure safety (lead aprons, thyroid shields),**
 - **chemotherapy safety (protective barriers, disposal of products).**

Checklist for system management

- **Sterilization modalities**
 - **Saturated steam sterilization**
 - **Gas sterilization**
 - **Liquid sterilization**
 - **Single use and reuse material**
 - **standards and guidelines,**
 - **use of equipment and process,**
 - **sterilizer testing records,**
 - **storage of sterilized items,**
 - **event-related sterility**
 - **Use of personal protective equipment for instrument cleaning**
 - **Manufacturer's written parameters for the sterilizers in use**
 - **Monitoring requirements and record keeping**
 - **Sterilizer preventive maintenance**
 - **Staff members competencies in the use of any sterilizers**

Checklist for system management

- **Chemical disinfection**
 - Selection of a germicide
 - Necessity of following manufacturers' written recommendations on use and times
 - Monitoring of product efficacy, personal protective wear and environmental protection for staff members
- **Disinfection practices :**
 - standards and guidelines,
 - processes and agents used
- Cleaning and processing anaesthesia equipment
 - Universal precautions
 - Personal protective equipment
 - Use of specific facility-determined germicide or other disinfecting or sterilizing methods

Checklist for system management

- **Selection and use of packaging system**
 - **How packaging system is used**
 - **Sterilization parameters for system based on the manufacturer's recommendations**
 - **Wrapped packages**
 - **Labelling parameters**
 - **Event-related shelf life**
- **Sanitation in the surgical practice setting**
 - **Use of personal protective equipment when cleaning**
 - **Daily cleaning requirements**
 - **End of procedure cleaning**
 - **Terminal cleaning**
 - **Housekeeping routine procedure**
 - **Housekeepers training**

Checklist for system management

- **Skin preparation of patients**
 - **Skin prep areas for specific procedures**
 - **Hair removal situations**
 - **Skin prep documentation and map by type of surgery**
- **Traffic patterns in the perioperative practice setting**
 - **Traffic patterns**
 - **Defining OR areas and required attire for areas**
 - **Flow of sterile supplies, contaminated supplies and equipment, separating by space, time or traffic flow**

Checklist for system management

- **Safe environment :**
 - **standards and guidelines,**
 - **Job safety analysis**
 - **Standard operating procedures**
 - **Orientation program for new employee**
 - **In-service education**
 - **Training**
 - **Monitoring**
 - **Communication with staff**

Checklist for system management

- **safety regulation :**
 - **physical hazards : fire, electricity, radiation, slips and falls, lifting, laser**
 - **Indoor air open : air flow, filtration, surgical smoke, latex, tuberculosis, Noxious smoke hazards and surgical plume**
 - **Chemical waste hazards**
 - **Waste anesthetic gases**
 - **Ethylene oxide**
 - **Methyl methacrylate**
 - **Formaldehyde**
 - **Glutaraldehyde**
 - **Peracetic acid**

Checklist for system management

- **Special safety considerations regarding latex allergy precaution for crew**
- **Other safety programs :**
 - **Laser,**
 - **Ergonomic**
- **Waste management program**
 - **State and local regulation**
 - **Waste selection (municipal, hospital, medical, hazardous, nuclear and toxic waste)**
 - **Waste container map**
 - **Planning and waste evacuation**
 - **Measures to reduce, reuse or recycle waste**
 - **Recycling of plastic bottles, papers wrappers**
 - **Separation of infectious and non-infectious waste**

Checklist for system management

- **Care of instruments, scopes and powered surgical instruments**
 - **Enzyme cleaning solution for initial cleaning**
 - **Personal protective equipment for cleaning instruments**
 - **Ultrasonic cleaner**
 - **Manufacturer's written instructions for disassembly of instruments**
 - **Use of instrument lubricant**
 - **Care and cleaning of powered surgical instruments**
 - **Manufacturer's sterilization parameters**
 - **Staff member competencies**

Checklist for system management

- **4. Clinical aspects**

- **4.3 Culture of patient safety**

- Patient safety is a huge priority for surgical suites, as it is for health care in general. The patient safety movement has brought a host of new terms—human factors engineering, proactive risk assessment, and failure mode and effects analysis, among others.

Checklist for system management

- **Universal protocol**
 - **Application on day-to-day practice**
- **Protection of the patient in surgery / patient safety**
 - **Admission procedure**
 - **Procedure for safely transferring the patient to the operating table**
 - **Ensuring correct patient, correct site, correct procedure**
 - **Preventing patient injuries**
 - **Falls**
 - **Burn**
 - **Pressure ulcers**

Checklist for system management

- **Positioning & surgical position**
 - **Head to toe positioning checklist**
 - **Position devices, maintenance and localisation**
 - **Documentation criteria for positions**
 - **Preoperative and postoperative assessments**
 - **Safety devices**
 - **Positioning devices training**
 - **Positions used**
 - **Supine / dorsal position**
 - **Trendelenburg**
 - **Reverse trendelenburg**
 - **Dorsal lithotomy**
 - **Semi-prone**
 - **Fracture table**
 - **Prone**
 - **Lateral**

Checklist for system management

- **Medication practice and guideline to avoid medication errors**
 - **Control medicine delivery**
 - **Rank and identify medicine stock area**
 - **Control use-by date**
 - **Inform users about new and withdrawal medicine**
 - **Inform OR nurse about medicine use and outline**
- **Allergies**
- **Iodine**
- **Latex**
- **Preventing infection**
 - **Perioperative attire**
 - **Skin preparation of the patient**

Checklist for system management

- **Infection control**
 - **Surgical scrubbing technique**
- **Aseptic technique**
 - **Aseptic technique**
 - **History of asepsis**
 - **Current theory of asepsis**
 - **Definition of sterile fields**
- **Implanted electrical devices**
- **Electrical hazards**
- **Electrosurgery**
 - **Electrical safety**
 - **Use of approved electrical equipment**
 - **Appropriate biomedical maintenance of the ESU in use**
 - **Documentation of skin at dispersive electrode site preoperatively and postoperatively**
 - **Staff member competency in the use of ESU's**

Checklist for system management

- **Safe care through the identification of potential hazards in the surgical environment**
 - **Patient transfers**
 - **Preventive maintenance performed to cards and OR beds**
 - **Weight capacity of the OR table and excess weigh patient procedure**
 - **Use and temperature of blanket and fluid warmers**
 - **Use of microwave to warm fluids**
 - **Fluids temperature before use**
 - **Use of chemicals in OR**
 - **“right to know” manual**
 - **Tuberculosis control policy**
 - **Internal and external disaster plans**

Checklist for system management

- **Sponge, sharps and instruments counts**
 - **Selection of type of procedure where count**
 - **Sample count worksheet**
 - **Documentation criteria for counts in the OR record**
 - **Procedure for when counts are incorrect**
- **Fire hazards**

Checklist for system management

- **To create a culture of patient safety, some ideas are benefit [i]:**
 - **Make a commitment to patient safety at the very top level.**
 - **Make it clear to leaders throughout the organization that patient safety means nothing less than a total cultural change..**
 - **Have leaders attend patient safety training and provide top-down support for the program.**
 - **Instil in each employee that patient safety is paramount.**
 - **Create a climate in which each person feels morally obligated and empowered to address any condition that may affect patient safety.**
 - **and wisdom of their disciplines to assist in building the knowledge and skills of others.**
 - **Create an environment of trust and no punitive response to reported events.**

[i] Stalhandske E, Bagian J P, Cosbee J. Department of Veterans Affairs patient safety program. American Journal of Infection Control. Aug 2002;30:296-302

Checklist for system management

■ 5. Interpersonal aspects

■ 5.1 Personal skills and conflict resolution

- OR manager but all OR users work together in a high technological environment.
- Behaviour of each OR workers influence or interact on every colleagues, on patient and environment.
- In this area, behaviour could be normal, quiet or could be excessive with a negative impact.
- Some OR suite has developed a Code of conduct to contain negative behaviour again patient and co-worker.
- Some tools exists to manage compartmental pressure
- Some hospital mobilize a psychologist oriented professional conflict.
- Some new approach includes last neuroscience and psychiatric research

Checklist for system management

■ 6. Technological aspect

■ 6.1 Develop clinical competence

■ Surgical procedure

- Abdominal extraintestinal surgery
- Breast surgery
- Cardiac surgery
- Dental surgery
- Gastrointestinal surgery
- Genitourinary surgery
- Gynecologic surgery
- Integumentary surgery
- Minimal invasive surgery
- Neck surgery
- Neurologic surgery
- Obstetric surgery
- Ophthalmic surgery
- Orthopedic surgery
- Otorhinolaryngological surgery
- Pediatric surgery
- Plastic surgery
- Radiotherapy procedures
- Thoracic surgery
- Vascular surgery

Checklist for system management

- **Endoscope minimal access surgery**
 - **Identification of all minimally invasive equipment in use**
 - **How instruments are cleaned, disinfected, sterilized**
 - **Written instructions from the manufacturer on the cleaning, disassembly, care and resterilization parameters of all instruments**
 - **Staff member protection from smoke**
 - **Decontamination of equipment**
 - **Staff member competency**

Checklist for system management

- **6. Technological aspect**

- **6.2 Technology management**

- OR manager determine components of equipment needed, identify credentialing requirements for advanced technology use, and determine educational needs for staff.

Checklist for system management

- **Technology management**
 - **Radiology equipment**
 - **How to use a RX machine**
 - **Protection of patient and users**
 - **Picture printing or transfer**
 - **Laser technology**
 - **Laser equipment checklist**
 - **Laser equipment use**
 - **Laser equipment control**
 - **Safety precautions**
 - **Advertising on the door**
 - **Eye protection**
 - **Inflammable liquid**
 - **Nonflammable endotracheal tube**
 - **Fire equipment ready**
 - **Smoke evacuation**
 - **Competency to use of lasers**

Checklist for system management

- **Microscope**
- **Robot**
- **Use of pneumatic tourniquet**
 - **Specific tourniquets**
 - **Preventive maintenance**
 - **Documentation requirements**
 - **Staff member competencies**
- **Pulsed lavage**
- **Powered saws and drills**
- **Blood savers**
- **Special scalpel or coagulator (argon beam coagulator, harmonic and plasma scalpel, radiofrequency, ...)**

Conclusion

- **An extended check-list is continuously in progress.**
- **I did not pretend to be able to establish the most complete checklist in perioperative management because the scope of items is so large but I hope I have open the way to give to you all the opportunity to find some common or specifics items to use.**
- **This overview is a tool to be adapted or extended by yourself in your facility**

Thank you for your attention

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