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Learning Objectives

- · Why ASC's
- . What is OR Management/Leadership
- · Application of OR Management: Branches
- . OR Scheduling/Utilization
- Relationship building/Conflict Management "OR Equilibrium"

- Today there are more than 5,300 ASC's in the US with over 50 million surgeries annually
- Medicare grants approval for ASC's for approximately 3,500 procedures
- . 65-70% of all surgeries are performed in Ambulatory centers

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Advantages of ASC's

- . Better patient/surgeon satisfaction
- . Less psychological stress
- . Faster patient recovery
- · Decreased DOS cancellations
- . Decreased risk of hospital acquired infections
- . Decreased hospital waiting list

The Business Side of ASC's

- · ASC's provide care at a Significant Cost Savings
- Currently medicare pays ASC's 58% of the amount paid to a hospital for the same service, thus a tremendous medicare savings
- · Also, ASC procedures usually equal less

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Cost Savings

- · Staffing, supplies and building
- . Specialized specific procedures (smaller scale)
- · Cross training personnel
- · No guarantee of work hours

OR MANAGEMENT

- . The Science of how to run an OR
- . Focuses on maximizing operational efficiency
- Maximizing the number of cases that can be done in a given day while minimizing required resources and cost

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Application Management

- Includes best practices, techniques and procedures essential for optimal operation, performance and efficiency
- Strategic objectives must be tangible and measurable
- · Standardization of work process

OR MANAGEMENT (How to best)

- . Ensure patient safety and optimal patient outcomes
- . Provide surgeons with appropriate access to the OR
- Maximize efficiency of OR utilization, staff and materials
- . Decrease patient delays
- Enhance satisfaction among patients, staff and physicians

OR Leadership/Management

- Leadership sets a direction for change, developing a vision, power and ability to lead people toward this shared goal, inspiring a team
- Leadership includes communication, listening skills, rapport building, conflict resolution and trust building
- Leadership requires intelligence, emotional sawy, flexibility and rapid response for rapidly shifting circumstances
- Management consists of implementing those goals through planning, budgeting and staffing

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Departmental Leadership

- Compartmentalizes each member of a surgical suite team to his/her department (e.g. surgery, anesthesia, nursing)
- . The principle behind departmental leadership is the delegation of responsibility
- This interest directly relates to OR utilization and OR productivity

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Branches of Management in the ASC (Team)

- Anesthesiology: Work efficiently and guarantee patient safety, valuable management perspective, same as ASC
- Surgeon: Incomplete vision, conflict of interest
- . Nursing: Leadership in the OR Suite

Anesthesiologists as the OR Manager

- Skills include maximizing the effectiveness, efficiency and integration of delivered healthcare
- Establishing Anesthetic Care Pathways that optimize rapid emergence, room turnover time and expedite PACU discharge, including patient satisfaction
- . Affectively reducing perioperative complications and improving outcomes

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Surgical Suite Leadership

- Must be in compliance with several internal and external governing bodies, i.e. JCAHO and CMS
- Universal protocols must be implemented to ensure patient safety, reduce iatrogenic errors and postoperative complications

Case Scheduling

- In an ASC, cases are elective, therefore the imminent and emergency surgeries are not considered
- Historical approach for scheduling OR time should be used when available
- Limiting this approach is limited number of cases by surgeon and the surgeon's familiarity with the procedure

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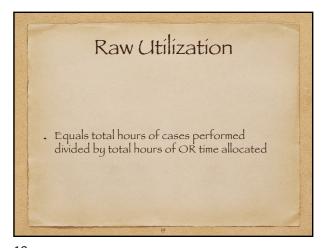
Operating Room Utilization

 The measure of the use of an operating room that is properly staffed with people needed to successfully deliver a surgical procedure to a patient

Block Utilization

 A measure of the use of operating room time by a surgeon or group of surgeons to whom time has been allocated

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Assessing OR Efficiency

- , Case Cancellations (DOS)
- , Staff Unavailability (Call in's), back up plan
- . Start time tardiness
- · PACU congested
- . Turnover times (cleaning time)
- · Surgeon Unavailability
- · Late or unprepared patient

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Case Cancellation Rate, DOS

Range from approx 1% for the ASC to 13-18% for VA Medical Centers

CMS reports approx 1% since 2014 for ASC's

Start Time Tardiness

- A mean tardiness of start times for elective cases per OR/day
- Reducing the amount of time a patient has to wait for their surgery

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PACU Admission Delays

- Expressed as a % of work days with at least one delay of 10 mins or greater in PACU admission because PACU is full
- . Adjust PACU nurse staffing accordingly

OR Turnover Times

- Time from the exit of one patient until the next patient enters the same OR
- Includes cleanup time and setup time, but not delays
- At best performing OR suites, average < 25 mins

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Surgeon Unavailability Habitually late surgeon: Review and assist either collegially or via a discipline policy Policy's should be applied fairly and without favorites

Unprepared Patient

- · Access process
- . Late patient arrival
- . Delayed check-in process
- . Delayed preop nursing process/difficult IV

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Relationship Building

- . Build Relationships with EVERYONE
- . Ask Opinions from Everyone
- . Know the name of Everyone: Nurses, Scrub techs, cleaning people, EVERYONE!
- These are the people you will want to help you have their backs, seek their opinions...they are the experts in their fields

Interpersonal Conflict

- Communication errors, conflict and flawed decision making contribute to the majority of accidents
- Communication problems is an overwhelming barrier to OR performance
- This is consistent and can disrupt an OR and distract from OR efficiency
- . Personal issues must be acted on quickly and optimized
- , Teaching communication skills/simulator training/crises management

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Disruption to the Daily Plan

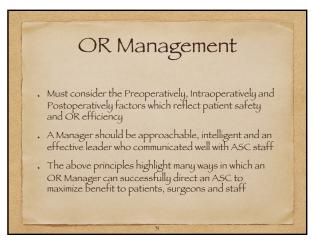
- . It Will Happen!
- . Never answer emotion with emotion
- Consider the options/alternatives, stick to your principles
- . Always keep patient care a priority
- . Lead by example and with kindness

Debrief

- Talk about it: What went right/what didn't/could it go better?
- . Debriefing: Keep it short and constructive
- Consider: Reasons situation occurred/future handling

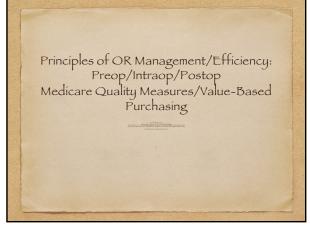
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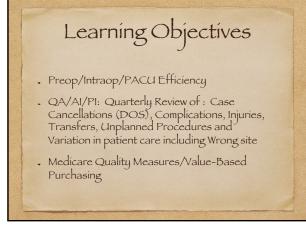


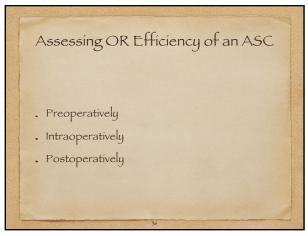
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Preoperatively

- . Screening questionnaires/also in pre op
- · Preoperative phone calls/evaluations
- . Consider procedure first
- . Consideration for Anesthetic technique
- Starting IV's, applying BP cuffs/EKG leads (plug and play)

Patient Selection for an ASC

- Suitable Surgical Procedure: i.e. CMS Ambulatory approved, low risk for blood loss and pain control
- . Patients pre op health, ASA Classification
- . Proposed Anesthetic Technique
- . Suitability of Facility, ie Freestanding
- · Caregiver considerations

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Complication Risk Predictors, 72 hr

- · High BMI
- . COPD
- · Previous PCI/Cardiac Surgery
- . Hypertension
- . TIA/CVA Hx
- . Prolonged Operative Time
- · Anesthesiology 2013; 119: 1310-21, ASA Monitor, 2014, Joshi

Common Pre Op Management Issues

- . Patient Waiting Time
- · Operating Room Scheduling

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Preoperative Waiting Time

- . Defined as time from surgical scheduling to check-in for the procedure
- . Increases as demand for surgery increases/or operating room availability reduces or fails to grow proportionally to surgical demand

Three Checkpoints are:

- 1) Preoperative verification of procedure and background information
- . 2) Marking of the operative site per surgeon
- . 3) An official timeout for an audible confirmation of patient identity and the procedure

Intraoperatively

- Techniques that expedite the wake up process
- Aim for pain free/nausea free, multimodal techniques/preemptive antiemetics/regional techniques
- These techniques also improve post-op efficiency and room turnover time

Intraoperative Management Issues (Review)

- Departmental Leadership (Anesthesia, Surgery and Nursing)
- . OR Turnover times
- . Interpersonal conflict among team members
- . Communication systems

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Postoperatively

- Judicious with sedative and narcotic based post-op remedies to expedite recovery
- Quick rescue if PONV/pain to expedite discharge/patient satisfaction
- PACU team on board with efficiency/proper eval systems
- . Effective discharge scoring system/PADSS

Ambulatory Recovery Goals

- . PONV adequately controlled
- · Pain adequately controlled
- · Adequate hydration, normothermia
- No minimum stay required, meet discharge criteria
- . Responsible home care

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Post Anesthetic Care in Ambulatory

- . ASA Practice Guidelines for Postanesthetic Care, Anesthesiology 2013; 118, No 2
- SAMBA's Consensus Guidelines for Management of PONV, Anes & Analg 2014;
 118: 85-113

PARSAP (Modified Aldrete for Ambulatory Centers)

- Numeric values to the following criteria: Activity, respiration, circulation, consciousness and oxygenation
- . Maximum score of 10, with a minimum of 9 acceptable for discharge to home
- Main goals are controlling postoperative pain, N/V and meeting PARSAP score

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Unplanned Admission

- . Length of surgery > 1 hr
- . ASA status > 3
- . Advanced age > 80
- . High BMI
- Whipped A. et al, Can J Anaesth 2013; 60: 675-83

Transfer Protocols

- Protocols to affect a smooth, timely and safe transfer of emergency cases
- Determined by the Anesthesiologists/Surgeon
- · Agreement with an accepting hospital

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Internal Risk Management Program (Performance Improvement)

- Minimize risk of injuries, incident, adverse event and uplanned occurrences to patients and staff
- . Investigation of adverse events, analysis of frequency
- Includes at least annual Risk Management and Risk Prevention education/training
- Analysis of patient grievances related to patient care and quality of medical services

Value -Based Care

- . Holds health care providers accountable for both cost and quality of care
- . Attempts to reduce inappropriate care
- Attempts to identify and reward the best-performing providers
- . The "Value" in VBC is derived from measuring health outcomes against the cost of delivering the outcomes

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Benefits of VBC

- . Patients spend less money to achieve better health
- Providers achieve efficiencies and greater patient satisfaction
- . Payers control costs and reduce risk
- · Suppliers align prices with patient outcomes
- Society becomes healthier while reducing overall healthcare spending

VBC Models

- · Patient-Centered Medical Home (PCMH)
- . ACO's
- Hospital Value-Based Purchasing Program
 (VBP)

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- The Medicare Shared Savings Program is the most well-known and standardized example of this model
 Medicare continues to reimburse health systems on a FFS basis, then, at the end of the year, shared savings bonuses are calculated
- . If a client did better than the FFS population, they get a piece of the savings
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Future of VBC

- Moving from a fee-for-service to a fee-forvalue system will take time
- . Transition has proven more difficult than expected
- Likely will see short-term financial hits before longer-term costs decline

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CY 2017 Measures

- . ASC's may voluntarily submit data for CY 2017
- Not subject to a payment reduction during the voluntary reporting period
- 2019 measures with addition of IV Antibiotic Timing, Safe Surgery Checklist Use, ASC Facility Volume Data on Selected ASC Procedures

Key Management Goals to Maximize Reimbursement

- Improve operating cost to deliver care more efficiently (eliminate waste), ie standardize work, decrease/eliminate medical errors/patient injury
- . Increase patient volume by improving quality and patient satisfaction
- . Understand the shared savings arrangements
- . Track quality measures

ASC Quality Reporting CY 2019 Payment Determination

- · Patient Burn
- , Patient Fall
- Wrong site/patient/procedure/implant
- · All Cause Hospital Transfer/Admission
- . Influenza Vaccination Coverage among Healthcare Personnel
- Endoscopy/Polyp Surveillance/followup, interval for patients with and w/o history
- . Cataracts/vision function w/i 90 days
- · Facility 7-Day Risk-Standardized Hospital Visit Rate after OP Colonoscopy

Possible New Quality Measures

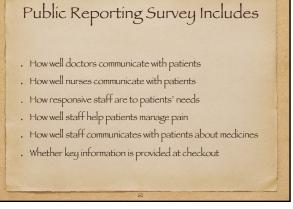
- · Postoperative nausea and vomiting
- Case hospital admission within two days of discharge
- Emergency department visits within two days of discharge

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Patient Experience of Care

- 32-item HCAHPS patient survey (Hospital Consumer Assessment of Healthcare Providers and Systems)
- 2 % of Medicare payments linked to its performance in 2017
- . Validity not proven

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OR Management/Quality
Measures

- An OR Manager must be able to lead and manage from the preop setting to the discharge setting and beyond.
- . He or She must be involved in the quality measures required by CMS and other governing bodies
- Protocols must be implemented to ensure patient safety, reduce iatrogenic errors and postoperative complications

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Importance for the Anesthesiologists (OR Manager)

- Involvement in the Performance Improvement Council: Review DOS cancelations, hospital transfers, etc
- Involvement in Medical Advisory Boards: Reporting of PI Council reviews and involved in block scheduling, start time tardiness and identifying consistent outliers
- Make yourself irreplaceable! Involve yourself in protocols, mock codes, MH drills, write your care pathways for expediting patient care.

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