Students and Operating Room Training

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Introduction

• Students spend significant time in operating room
  ▪ Brief introductions
  ▪ Trial and error learning

• Lack of training
  ▪ Affects confidence in environment
  ▪ Encourages passive learning
Objectives

- Learn basic technical skills
  - Knot tying
  - Suturing
  - Vaginal delivery

- Operating room etiquette
  - Pre-op assessment
  - Positioning
  - Sterile technique
  - Exam under anesthesia
  - Foley placement
Before the Operating Room

• National Patient Safety Goals
  ▪ Universal protocol
    • Verify correct patient
    • Verify correct procedure
    • Verify correct site
      ▪ Mark the surgical site
Before the Operating Room

- **Know the patient**
  - Pregnancy test
  - Hemoglobin
  - Confirm in OR
    - Write on board

- **Identify self**
  - Write on board
  - Introduce to staff
Going into the OR

- Proper dress
  - Scrubs
  - Surgical cap
  - Mask
  - Eye protection
  - Surgical boots
In the Operating Room

• Patient position
  ▪ Peripheral nerve safety
    • Arms - on arm boards
      ▪ 90 degrees out
    • Legs - supine versus dorsal lithotomy
      ▪ Yellow fin stirrups
    • Surgical lighting

• DVT prophylaxis
  ▪ Sequential compression devices (SCDs)
  ▪ Apply to lower leg
Prepare for the Procedure

• Preoperative exam under anesthesia
  ▪ Pelvic exam
    • Usually just bimanual
  ▪ Document findings
  ▪ Help plan procedure
Prepare for the Procedure

• Surgical scrub
  ‣ Soap versus gel

• Gown
  ‣ Make sure nurses know you are scrubbing

• Gloves
  ‣ Take gloves out for nurse
Prep the patient

• Draping the patient
  ▪ May be residents
  ▪ Be familiar with what you can touch

• Foley placement
  ▪ May be placed after patient draped
  ▪ Observe sterile technique
Final Thoughts

• Comfort with operating room procedures
  ▪ Transition from passive to active learner
  ▪ Focus more on procedure
  ▪ Focus more on patient care
  ▪ Focus more on patient safety
Today’s Schedule

- Three groups
  - Knot tying
  - Suturing
  - Noelle vaginal delivery simulation

- Small groups
  - Groups of 5 - 6

- Instructors
  - Residents
  - 4th year students on teaching elective
Wednesday’s Schedule

• 9:30 - 12:30
  ▪ Two separate groups
  ▪ Flip/flop sessions
  ▪ Mock operating room walkthrough
  ▪ Stations
    • Pelvic Exam
    • Foley model
    • Gown/glove
    • Surgical instruments