جامعة ساوة الاهلية كلية التقنيات الصحية والطبية قسم التخدير - اللجنة العلمية

Operating Theatre Design



جامعة ساوة كلية التقنيات الصحية والطبية قسم تقنيات التخدير المرحلة الثانية

Operation Room Size

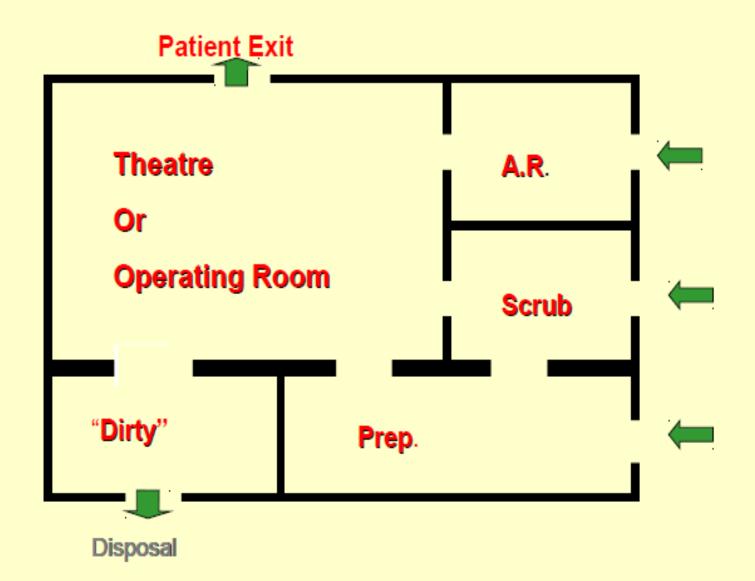
the Facility Guidelines Institute recommends that the minimum inpatient operating room size be no less than 400 square feet.

Estimated Industry-Standard Operating Room Sizes

- ❖ Small Operation Room- 400 square feet
- ❖ Standard Operation Room 500 square feet
- ❖ Orthopedic Operation Room 600 square feet
- Cardiac Operation Room 600 square feet
- ❖ Neurological Operation Room 600 square feet
- ❖ Transplant Operation Room 800 square feet



The Built Environment



Theatre Air Conditioning

"Ideal" conditions *-

Temperature- 18 to 23 OC

Humidity - 50 to 60%

Air Changes- 20 per hour

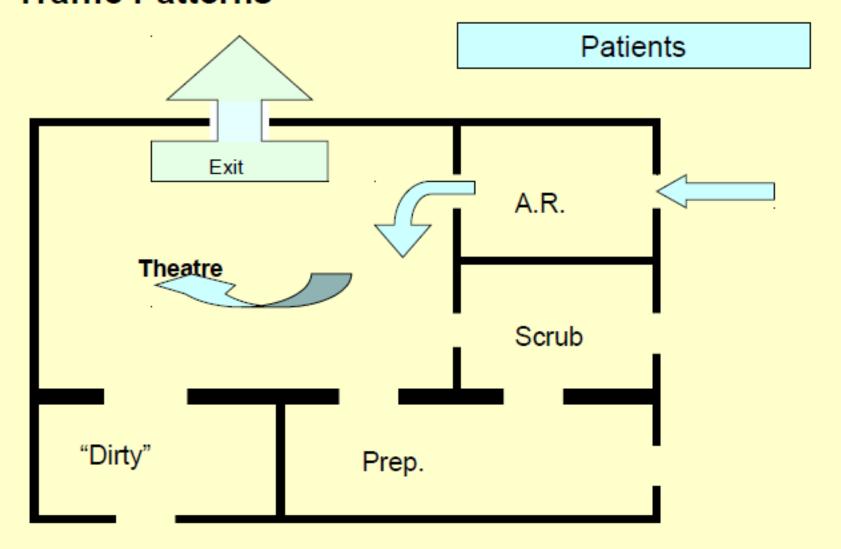
:Note

In the first hour it is common for healthy patient's temperture decrease 0.5-1.5 °C as anesthesia causes rapid decrease in core temperature.

One study found that the most efficient method of maintaining normothermia included using warm wraps and a heating blanket. Add itionally, pre-warming for thirty minutes may prevent

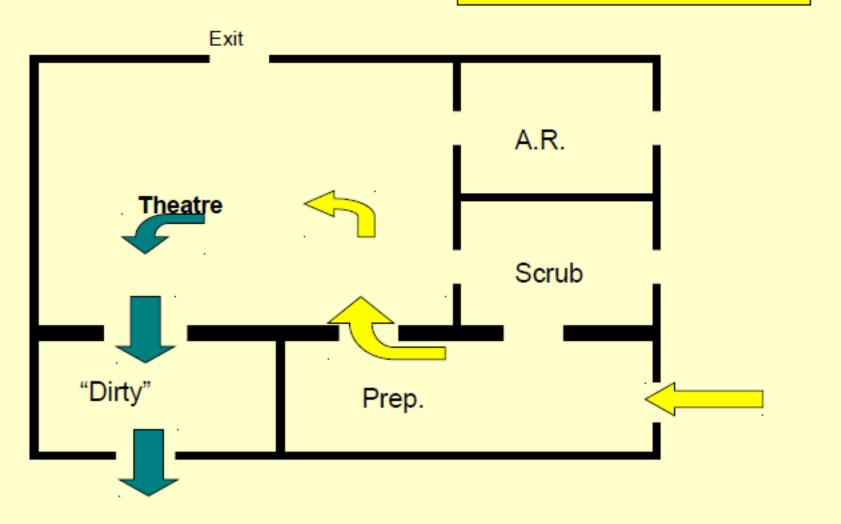
hypothermia.

"Traffic Patterns"

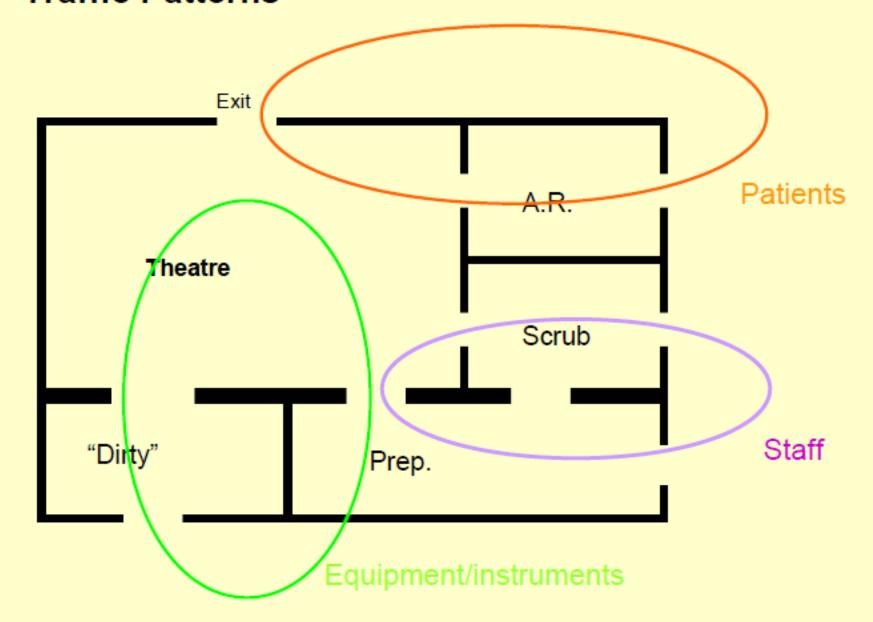


"Traffic Patterns"

Equipment

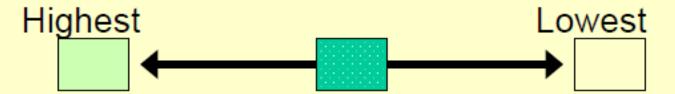


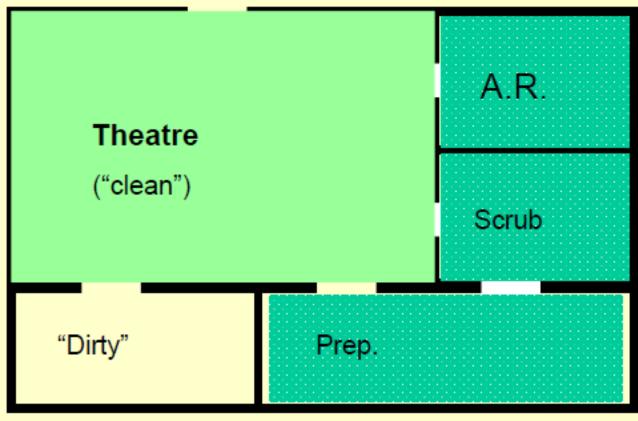
"Traffic Patterns"

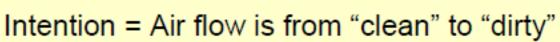


Pressure Gradients

Keep doors closed as much a possible to maintain these









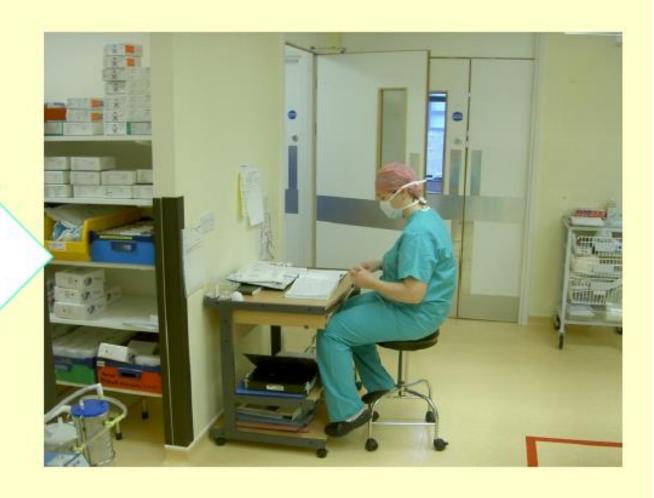
Scrub room



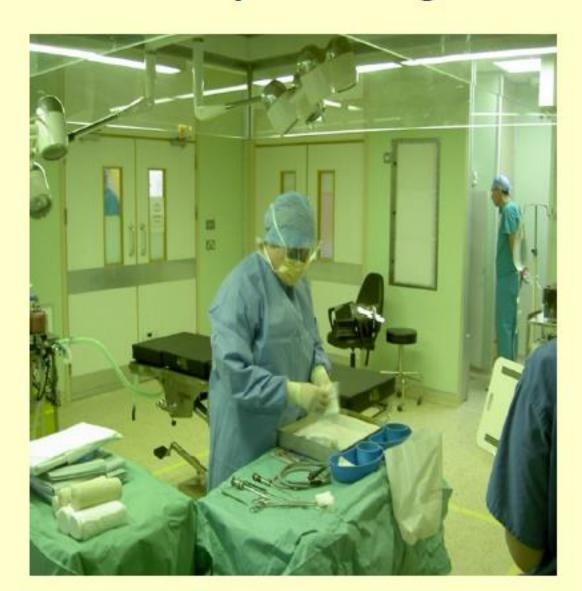
For hand
washing
(surgical scrub)
gowning &
gloving of
surgical team

Prep / instrument room

Sometimes situated off the Operating room.
Storage of instruments & supplies



The Operating Room (Theatre)



Focal point of surgical process

Anaesthetic Room



- Reception & preparation of patient
- Induction of anaesthesia

Rest/coffee room



- Does exactly what it says on the tin!
- A place to relax.
- Beware of careless conversations!
- Patient confidentiality still applies

Sterile Processing Room

These sterile processing rooms are designed to be separate from the operating suite but may be shared between two or more operating rooms. Sterile processing rooms are designed to provide a one-way traffic pattern of contaminated materials, instruments for cleaning, and the sterilization of various instruments and equipment.



Storage must be appropriate & adequate



Note

'Exp': means for use up to and until the last day of the specified month.

'Use by': means for use up to and until the last day of the specified month.

'Use before': means for use until the first day of the specified month.

Batch: **645981**

Exp: 31/3/09

Batch: **645981**

Use before: Apr 09

Drug ampoule labels







SCAN TO GET THE LECTURE