Lecture of anesthesia equipment practical

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Operation Room

Is a facility within a hospital where surgical operation are carried out in aseptic environments. It should be windowless, well filtered and ventilated, with a temperature range of (18-24 C), and well equipment supplied.

Types of Operating Rooms

- There are several types of operating rooms depending on the type of surgery being performed.
- There are General, Orthopedic, Neuro, Spine, Urology, and Cardiac/Thoracic.
- The reason for having different types of operating rooms is that different procedures require different equipment and personnel. The staff must have access and enough room to move the equipment required for each type of surgery in and out.

Ideal Location

Generally, it should be as near as possible to the vital hospital units like emergency room, blood bank, radiology, intensive care, laboratory, and central sterile supply department.

Layout & contents of anesthetic room and theatre

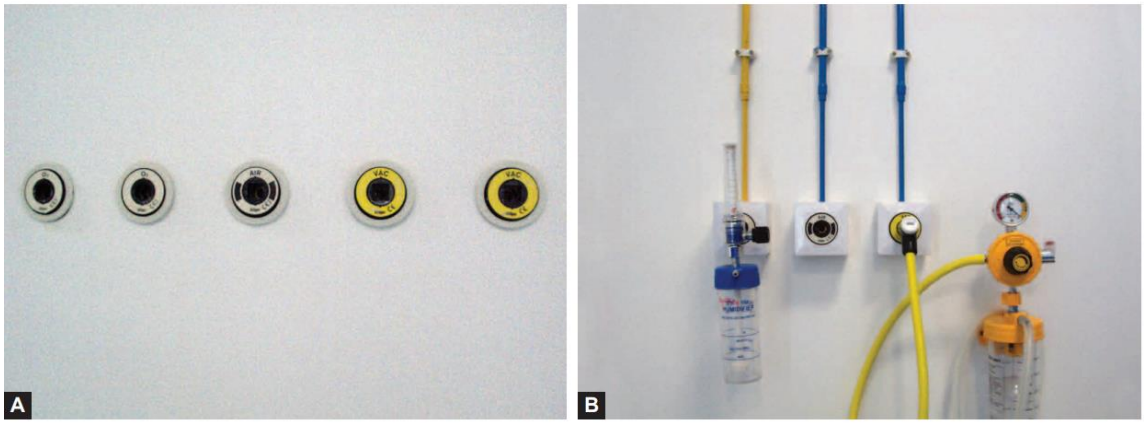
Ideal anesthetic rooms:

1- it must be less than 3×2 m2

2- multi source of power supply UPS fasilities, lightsource, air conditioner system.

3- piped gas supply (piped medical gas and vacuum)with spare oxygen cylinders.





4- moveable bed with giving set carier.

5- Anesthetic machine.

6- Suction unit.

7- Monitors.

8- trolly for anesthetic drugs and tools.



Ideal theatre room:

1- it must be less than 4×5 m2 with corner-less and antistatic flour.

2- Multi source of power supply UPS facilities, lightsource , air conditioner system. With corner-less andantistatic flour.

3- piped gas supply (piped medical gas and vacuum) with spare oxygen cylinders.
4- fixed or moveable bed with giving set carriers.
5- anasthetic machine

6- suction unit.

7- monitors

8- ventilators

9- trolly for anesthetic drugs and tools.

10- Scavenging outlet.

11- surgical tools and device.












PHILIPS