

Surgical gastroenterology operation theatre

Surgical Gastroenterology operating room (OR No. 10) is located in the OT complex in the first floor inpatient block of super specialty block. It is a dedicated operating room exclusively for surgical gastroenterology patients. Endoscopic procedures and percutaneous interventions are performed in OR No 6. Operation room is functioning five days a week. This is a centrally air conditioned modular OT with laminar flow, HEPA filters and positive air pressure system. Temperature is maintained at $20\pm 3^{\circ}\text{C}$ and humidity between 40 – 60% which will be constantly monitored in control panel display inside the O.R suite.

Two fully equipped emergency carts and a defibrillator makes possible to face any kind of emergency that arises intra-operatively. Appropriate storage of medicines, blood products and hemostatic agents are ensured by a refrigerator. Advanced anesthesia machine incorporates a ventilator, suction unit and a cardio respiratory monitoring device. Infusion pumps, Blair hugger patient warmer, blood & fluid warmers (Ranger and EnFlo) prevent hypothermia.

HIS and PACS are available inside OT. Myrian XP liver radiology workstation helps in liver resections. Complex hepatopancreatobiliary, gastrointestinal and advanced laparoscopic procedures are being performed in this department. Basic instruments, retractors, different types of vascular and special instruments are available for performing simple and complex cases. Recording systems are used to record the operative procedures. Stryker modular laparoscopic console and all laparoscopic instruments are available to perform advanced laparoscopic and bariatric surgeries. New version Harmonic generator, Ultrasonic liver dissection workstation from Soring, Karl-Storz choledochoscope, radio frequency ablator and advanced electro cautery from ALSA makes the OT state of the art. OT store ensures adequate supply of consumables like staplers and hemostats.

Focusing on patient safety and ensuring quality, use of WHO surgical safety checklists, patient transfer slips, visible white boards for counts, patient strapping, shifting trolleys with side rails etc. are well in practice. To prevent infection, strict procedures for surgical scrubbing, gowning, gloving, and use of three layered water resistant surgical gown/drapes are followed. Systems for segregation of bio medical wastes at source, needle burning and containers for sharp item disposal are in use. Autoclaving, ETO and Plasma sterilization are ensured as per protocol. Weekly washing, AC vent cleaning and fumigation processes are being done strictly.

Focusing on personnel safety, orientation sessions on hand hygiene, infection control, needle stick and fluid splash injuries and hepatitis B vaccination are conducted regularly.

