

# CLEANING & STERILIZATION OF OPERATION THEATRE

## Spot cleaning

- After each case
  - OT Table and surface with aldehyde-based preparations\*/any other suitable disinfectant recommended concentration as per manufacture's recommendation
  - Floor and sink with detergent (soap)water/ hospital grade phenyl (black color)
- High touch surfaces in contact with body fluids such as surgical light, Boyles apparatus, IV stand, suction canisters, etc.
- Spills management with 1% hypochlorite solution (small spill) and 10% hypochlorite solution (large spill i.e. more than 10 ml)

## Daily

- Thorough terminal cleaning and disinfection including door handles, light switches, all surfaces, machine equipments & floor mop

## Twice a day

- Floor and sinks with detergent (soap) water/ hospital grade phenyl at fixed times
- OT table, table tops and surfaces- light shades, almirahs, lockers, trolleys with 2% aldehyde based preparation/any other suitable disinfectant

## Thrice a day

Toilets with aldehyde based high level disinfectants

## Weekly

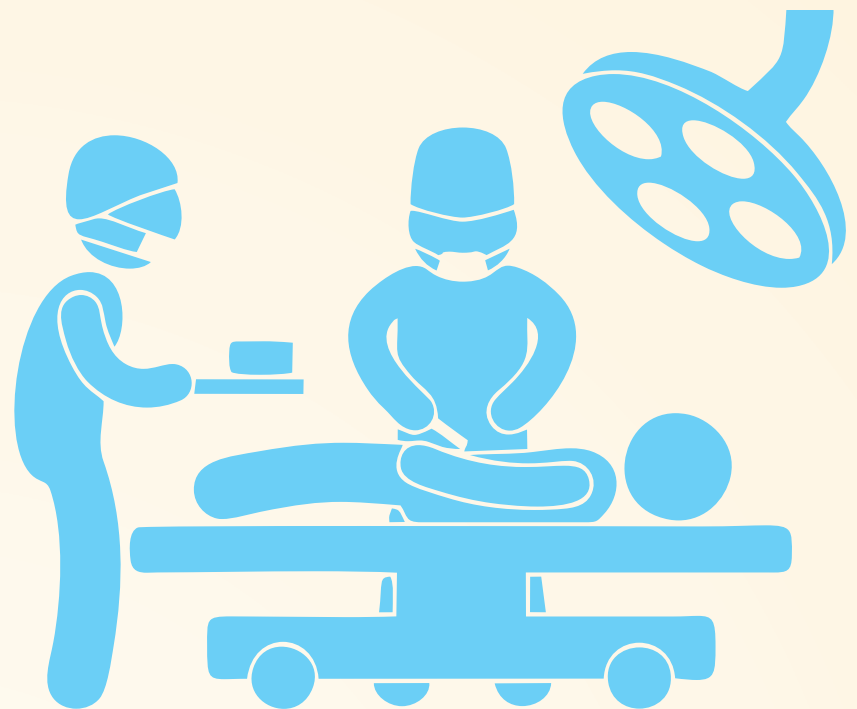
- Walls, roofs, floors, furniture and fixtures thoroughly cleaned/washed
- Fogging with silver nitrate and hydrogen peroxide. Close OT for at least 1 hour (check literature on chemical for quantity and duration for closure of space). After fogging, do air sampling after 1-2 hours and keep records. Fogging is not required for an OT with a HEPA filtered positive pressure air supply system

## Monthly

- Air sampling should be done on monthly basis
- Air sampling method to be taken by settle plate method/other air sampling methods
- Random swab sample from surfaces and disinfected areas

## Every 3 months

Microbial water testing to be done every 3 months and when source changed/major repairs in supply system/water related outbreak suspected



## Linen handling

- Soak blood soiled linen in 0.1% chlorine solution for 20 minutes
- No rinsing of soiled linen in patient care area or "toilets"
- Dirty NON SOILED linen and blood soiled linen to be transported and stored separately in leak proof bags/containers

## After every cleaning

- Disinfect mops by soaking in water with 0.5% hypochlorite solution for 30 minutes. Wash with detergent and water and dry in sunlight
- Disinfect buckets and utility gloves with 0.5% hypochlorite solution for 1 minute
- Wash the utility gloves with soap and water and hang for drying
- Use separate mop for surfaces and floor  
Separate mops for critical areas

## General measures

- Personnel entering OT should wear OT clothes, cap, mask, and shoes all the time
- Proper occlusive clothing of OT personnel including cap, mask, shoes/slippers and gown at the time of surgery
- Clean and blood soiled linen to be transported and stored separately
- Bio medical waste management in OT as per guideline
- Frequent cleaning of AC filters

\* Aldehyde based preparation – are recommended by guidelines for implementation of Kayakalp. Subject to availability in the hospital.