
	All India Institute of Medical Sciences, Rajkot Department of Clinical Microbiology	
	SOP for Fogging of Minor Operating Theatre	

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1.1 Purpose: - This document describes the standard operating procedures to be followed for fogging minor operation theatres for infection prevention and control.

1.2 Scope: -This document is applicable to all categories of staff working in an operation theatre as per their assigned responsibility

1.3 Indications of Fogging

- If any infected case surgery performed in operation room
- Before functioning of a newly constructed or renovated or repaired operation room
- As a part of terminal cleaning once in a week.

1.4 Requirements

- Fogger Machine
- Water
- 0.5 to 1% Bacillocid Special (0.5% for clean area, 1% for dirty area)

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1.5 General instructions before fogging:

- Remove all the dust from area where fogging has to be carried out.
- Clean the room thoroughly and mop all the surfaces
- Before starting the fogging process room & all surfaces should be cleaned with disinfectant
- Labels should be put on the door with time of starting & expected time of opening
- Seal the room including windows and ventilators air tight.
- Use adhesive tapes to close the gaps.
- Switch off the fans.
- Keep air conditioning switched off.
- Switch on exhaust for 15 minutes prior starting air conditioning.
- Air conditioning to be started after 1 hour of the procedure.

1.6 Precautions to be taken during process of fogging

- Do not use flammable/non approved liquids in the fogging machine.
- Do not use machine without timer device.
- Never probe into front nozzle from where the mist comes out.
- Use funnel to pour the liquid in the machine tank.
- After completion of procedure add some plain water in the empty tank and fogger machine should be started for flushing.

1.7 Fogging procedure

- Measure the area of room to be fogged in cubic feet.
- Disinfectant Bacillocid special to be used as per the area size of O.T for allotted time
- For each 1000 cu.ft. (28.3 cu.mt.) space, use one litre of 0.5% to 1 % Bacillocid special
- Pour this solution to fogging machine
- Switch on the machine
- Keep it for 60 minutes
- No neutralisation with ammonia required
- Appropriate use of PPE like gloves, masks and goggles etc
- Check all the activities are being carried out which were mentioned in the instruction for pre-fogging.
- Mark sure that no person will present in the area or room of fogging apart from the person who is carrying the fogging operation.
- The person who is carrying out the operation should be aware of the fogger machine mechanism and handing of the fogging disinfectant liquid

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- Once the fogger machine is ready to use for the fogging operation than ensure and make the proper place for the machine. Keep the fogger machine on ground floor only; find out suitable location for the machine as per availability of power plug.
- Make sure that while placing the fogger machine, there should not be any barrier in front of the fogger machine nozzle. 2 to 3 feet empty space must be there. As per this guideline make the suitable placement of fogger machine.
- Make sure that the fogger machine nozzle is kept at 45-degree angle to the ground floor. If not so it is strictly advised to make the angle at 45 degrees to the ground floor.

1.8 Instructions for the post fogging of the OT

- After stopping the fogger machine, the fogged area must be isolated for one hour
- After one hour of isolation, one should start the AC system for 10 minutes.
- After that the OT is ready for use

1.9 References

- **Essential Of Hospital Infection Control** By Apurba S Sastry And Deepashree
- **Hospital Infection Prevention And Control Guidelines** On Ncdc.Gov.In

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