

# A Report

# 2019

## Training Programme on Standard Protocols for Operation Theatre Technicians



**VISION 2020: The Right to Sight - INDIA**

**&**

**L V Prasad Eye Institute**

Organise Training Programme

**Standard Protocols for Operation Theatre Technicians**

Date: 1 & 2 November 2019 | Venue: LV Prasad Eye Institute, Visakhapatnam



**VISION 2020: The Right to Sight- INDIA**

D-21, 2<sup>nd</sup> Floor, Corporate Park,  
Near Dwarka Sector - 8 Metro Station  
Dwarka Sec- 21, New Delhi- 110077

**Date: 08 - 09 December 2016**

# Introduction

VISION 2020 INDIA in collaboration with Operations EyeSight Universal and LV Prasad Eye Institute organized a training programme on "Standard Protocols of Operation Theatres (SPOT)" on 1 & 2 November 2019 at L V Prasad Eye Institute, Visakhapatnam.

This 3<sup>rd</sup> SPOT training programme was planned for enhancing and strengthening the skill and knowledge of existing paramedical personnel of eye hospitals and to help them in their continuous professional development.

The training programme focused on the following areas:

- OR facility – layout
- Patient flow in OR
- Pre – op preparation of the eye, draping
- Equipment, Instruments and Linen required in the OR
- Material Management in OR
- Instrument Disinfection & Cleaning
- Instrument, material, Linen packing, Loading, Test packs, Indicators, documentation
- Autoclave Efficacy testing, sterility checks, CSSD documentation and Recall procedure
- Waste Disposal System
- OR Cleaning & Fumigation
- Microbiological Surveillance of OT
- Human Resource required in OR

The training workshop was a balanced with theory and hands on and replete with Q & A making it interactive. This programme was intended for OT in charges, OT technicians, Nurses and Ophthalmic Personnel's assisting Ophthalmologists in OT.

## Objective of the workshop

To build the capacities of OT technicians in implementing standard operating protocols in managing operation.

### **Participation:**

Forty one delegates from 17 organisations participated in the two - day workshop on SPOT. Professionals/personnel involved in Operation Room, benefitted from the programme.

## Programme:

The two - day workshop commenced with welcome remarks by Ms Sridevi Sunderarajan Development Communications Officer, VISION 2020 INDIA welcoming the delegates.



*Prime objective of workshop is prevent infection following protocols for OT: Dr Savitri Sharma*

The opening presentation was by **Dr Savitri Sharma**, Director, Laboratory Services-LVPEI network who made presentation on Operation Room (OR) layout and zoning. Setting the context of the workshop, Dr Savitri Sharma emphasized the prime objective which was to prevent infection following protocols for operating room/ theatre.

In her presentation on '**Design consideration for Operating Room**' Dr Savitri Sharma made an important point that protocols and procedures for all OTs, whether septic or otherwise should be uniform. She shared the layout for a small OT supported with a picture and also spoke on HEPA filters and its use to make the environment infection free. Making the session interactive, Dr Sharma asked the participant how many persons should be in OT at any given point of time. Four was her answer. She also emphasised against opening of door once the surgery has begun. She elaborated that no be extra persons should be in the OT. She added that it may vary from surgery to surgery. However in secondary set up not more than 4 for cataract surgery. Dr Savitri Sharma also strongly recommended against using formalin which has carcinogenic matter.

Next Dr Varsha Rathi made a presentation on **General Protocol/ Personal Hygiene**. In her presentation, she focused on providing a sterile field for safe surgery, prevention of infection and prevention of occupational hazard. She spoke about outer zone, clean/ semi restricted zone and restricted zone and also emphasized on the protocols related to sterilization and asepsis, Sterile technique – principles, Hand rub, Hand towel drying, Gloving, Gowning, OR decorum, OR procedures, Preparation of eye, Draping of the patient and Close of surgery. Dr Varsha explained the standard precautions to be taken during Hand hygiene, Aseptic Technique (Prevention of needle stick injuries), Environmental cleaning, Instruments handling, Waste management, Spillage management – blood/ body fluid and Post Exposure prophylaxis. She explained how the patients should be prepared for the surgeries and the precautions to be taken care by the surgical team.



*Dr Varsha Rathi demonstrating to delegates*

**Patient Flow in OR** presentation was made by Ms Sashmita Kumari. She supported her presentation by videos on patient flow. She explained about ambulatory patient and admitted

patients from ward; scrubbing, gowning and gloving. Through the next video, Ms Sashmita Kumari took the delegates through the protocol for pre – op preparation of the eye, with demonstration on draping.

Dr Varsha Rathi made a presentation on “*Equipment, instruments and linen required in OR and OT material management*”. In her presentation, she said that should have more than one set of instrument than the planned surgery. There is always a chance of any instrument getting infected and OT staff should be well prepared for that. Dr Varsha also added that the linen for OT and OPD should be washed separately. They should have some identification marking to avoid mixing. As several hospitals may not have in – house facility for washing linen, so if it is given to a *dhobi*, then a dedicated staff should monitor it. Also a daily work sheet should be prepared to be ready with linen requirement to be prepared for any exigency.

Instrument Disinfection & Cleaning and Instrument, Material, Linen Packing, Loading, Test packs, Indicators, Documentation was explained through a video clubbed with demonstration by Mr Chittibabu, OT Technician from LVPEI, GMRV campus, Visakhapatnam. Dr Varsha Rathi and Ms Sashmita Kumari interacted with delegates explaining where delegates had queries.

Dr Savitri Sharma made the presentations on ‘Autoclave Efficacy Testing, Sterility Checks and Recall Procedure’ and on CSSD documentation.

The last presentation of the day was on Waste Disposal System made by Ms Bhagyasree, Microbiologist GMRV, campus, Visakhapatnam. On how different categories of waste materials and defined the Bio Medical Waste (BMW) and its characterization; methods of transmission of infections and also the high risk areas. And at last she explained the flow of waste disposal.

Day 2 started with resource persons clarifying any doubts delegates had from the previous days presentation

Dr Savitri Sharma started the day with presentations on OR Cleaning & Fumigation and Microbiological Surveillance of OT.

She said that in case of an outbreak of endophthalmitis, the reason may be several. We learn to sterile everything but the patient’s own eye may contain conjunctivitis, if not properly cleaned can lead to infection. She said one needs to put betadine in the eye and let it dry.

In case of a cluster infection, Dr Savitri, among other steps, emphasized documentation. “It is very important for your own safety. Documentation is very important for investigation of infection”. We have to keep in mind the aspect of traceability.



*Ms Bhagyasree, Microbiologist GMRV, campus, Visakhapatnam making her presentation*

November 1 & 2, 2019

## [Training Programme on Standard Protocols for Operation Theatre Technicians]



Dr Varsha Rathi presented on “*Human Resources required in OR*”. She spoke about support services to ensure staff has what they need to perform their job smoothly. She also spoke on core functions of HR, caring for and supporting staff - who in turn, care for the organisation and the patient. Dr Varsha suggested hospitals to develop HR policies and systems in line with employment laws. She further said that nurses, or any staff member, should never be penalised, lose their job, or be bullied for raising clinical or practice issues. She explained about team concept, training, knowledge, skill and attitude, constraints and challenges in eye care programme and details of comprehensive eye care team.

### Hands on training:

Towards the end of the programme, practical demonstration was given on Practical Demonstration of Scrubbing, Gowning, Gloving, Eye preparation, Draping, Demonstration of Fumigation.

A pre and post test was conducted by the resource persons to gauge the leanings participants. All delegates participated in the tests. Post test showed that more than 90% participants have scored positive result.



## Gratitude:

- *Our sincere thanks to LVPEI, Visakhapatnam for their support towards conducting this training programme*
- *Our special thanks to resource persons Dr Savitri Sharma Sharma, Dr Varsha Rathi, Ms Sashmita Kumari for their effort and time to make this programme successful by disseminating their institutional and individual vast experience and knowledge*
- *Our sincere thanks to Operations Eye Sight Universe for their support*
- *We are sincerely thankful to CAB Members for their support for the training programmes*
- *Our sincere thanks to all the delegates, participated in the programme and thanks for their encouraging response*
- *We are thankful to the leaders of our member organisations for sending their representatives to attend the training programme*
- *We are extremely thankful to each and every one who supported us to make this programme a grand success*

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