

A Report

2018

Training programme on Standard Protocols for Operation Theatre Technicians



VISION 2020: The Right to Sight—INDIA

C L Gupta Eye Institute

Organise Training Programme

Standard Protocols for Operation Theatre Technicians

Date: 10 & 11 November 2018 | Venue: C L Gupta Eye Institute, Moradabad

Supported By



VISION 2020: The Right to Sight- INDIA

D-21, 2nd Floor, Corporate Park,
Near Dwarka Sector – 8 Metro Station
Dwarka Sec- 21, New Delhi- 110077

Date: 08 - 09 December 2016

November 10 & 11, 2018

[Training programme on Standard Protocols for Operation Theatre Technicians]



Introduction:

VISION 2020: The Right to Sight - INDIA & C L Gupta Eye Institute

Organise Training Programme

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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 10 & 11 November 2018 at CL Gupta Eye Institute, Moradabad, Uttar Pradesh.

This 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
- OR cleaning & fumigation
- Instruments and linen required in the OR
- Sterilization Process
- Equipment required and cleaning/ sterilizing
- Waste disposal
- Sterilization procedures
- Daily surveillance/maintenance of OT
- Microbiological surveillance
- General protocols
- Human resource required in the OR
- OT materials management

The training workshop had both theory and hands-on training sessions.

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 theatres

Agenda:

Time	Topic	Faculty
Day 1 (10th November 2018, Saturday)		
9.00-9.05	Welcome	Ashi Khurana
9.05-9.30	Self introduction	All participants
9.30-10.00	Program introduction and Pre-test on SPOT	Kirtee
10.0-10.20	OR Facility (Layout, Zoning)	Dr Savitri Sharma
10.20-10.40	General Protocol/Personal Hygiene	Dr Varsha Rathi
10.40-10.55	Patient flow in OR	Kirtee
10.55-11.15	Video on Scrubbing, Gowning, gloving	Kirtee
11.15-11.30	Tea Break/ Photographs	
11.30-12.15	Arranging instrument trolley, Handling instruments intra operatively, aseptic methods-VIDEO	Kirtee/CLGEI
12.15-12.45	Pre-op Preparation of the eye, Draping-Video & Demonstration	Kirtee/CLGEI
12.45-13.00	Discussion/Question Answer	Dr Savitri Sharma, Dr. Ashi Khurana
13.00 -14.00	Lunch	
14.00-14.30	Equipment, Instruments and Linen required in the OR , OT Material Management	Dr Varsha Rathi
14.30-15.00	Instrument Disinfection & Cleaning-Video and Demonstration	Kirtee/ Puspendra
15.00-15.30	Instrument, material, Linen packing, Loading, Test packs, Indicators, documentation (Both autoclave and ETO) – Video and Demonstration	Kirtee/ Puspendra
15.30-15.45	Autoclave Efficacy testing, sterility checks, Recall procedure	Dr Savitri Sharma

15.45-16.00	CSSD documentation	Dr Savitri Sharma
16.00-16.15	Tea Break	
16.15-16.30	Waste Disposal System at LVPEI	Kirtee
16.30-16.45	Waste Disposal System at CLGEI	Ashi Khurana
16.45-17.00	Discussion	
Day 2 (11th November 2018, Sunday)		
9.30-10.00	OR Cleaning & Fumigation	Dr Savitri Sharma
10.00-10.15	Microbiological Surveillance of OT	Dr Savitri Sharma
10.15-10.30	Human Resource required in OR	Dr Varsha Rathi
10.30-10.45	Tea Break	
10.45-11.00	Distribution of participants in groups	
11.00-1.00	Practical Demonstration of Scrubbing, Gowning, Gloving, Eye preparation, Draping, Demonstration of Fumigation	Kirtee. CLGEI Senior Sister
13.00 -14.00	Lunch	
14.00-14.15	Discussion	Dr Savitri, Dr Varsha, Dr. Ashi Khurana
14.15-14.45	Post Test	Kirtee/CLGEI
14.45-15.15	Certificate Distribution	Kirtee
15:15	Tea and disperse	-

Participation:

Encouraging participation observed in the training programme. 58 delegates from 20 organizations from 7 states participated in the programme. Professionals/personnel involved in Operation Room, benefitted from the programme.

Programme:

Programme started with a formal welcome of the delegates by **Dr Ashi Khurana**, Vice Chairman, C L Gupta Eye Institute and **Mr Mrinal Ray Madhaw**, Programme Manger, VISION 2020 INDIA.

Further to the welcome speech and setting up the workshop agenda, the session started with an introduction to the agenda and pre test conducted by Ms Kirtee Mayee, LVPEI, Bhubaneswar.



Dr Savitri Sharma

Post the test, **Dr Savitri Sharma**, Director, Laboratory Services-LVPEI network made a presentation on Operation Room (OR) layout and zoning. Dr Savitri commenced her talk with a question on what situation should not happen in any hospital related to operation theaters. And the response from participants was 'Endophthalmitis'. She informed the delegates that this training programme is being organized to avoid Endophthalmitis cases. Dr Savitri spoken on sterilization process, safety to be considered during passing-over the instruments to the doctors to avoid any needle stick injuries and the ways to make environment infection free. She also shared few incidences of surgical infections. She informed about the layout of small OT supported with a picture and also spoke on HEPA filters and its use to make the environment infection free. A healthy discussion followed the session with several questions ably responded by Dr Savitri.

Que: How many people can be in OT?

Ans: There should not be extra persons. Only those who are needed should be in OT. She added that it may vary from surgery to surgery. However in secondary set up not more than 4 for cataract surgery.

Que: How many times during surgery, OT doors should open?

Ans: During the surgery, doors should not open.

Que: For HEPA filters, how many times in a year, filters should be checked?

Ans: Once in a year, but AC filters should be cleaned every week.

In addition she also suggested to not to use Formalin.

Subsequent to this **Dr Varsha Rathi** made a presentation on General Protocol/ Personal Hygiene. In her presentation, she focused on Provide 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



Ms Kirtee Mayee

Ms Kirtee Mayee made a presentation on Patient Flow in OR. She supported her presentation by videos on patient flow. She explained about ambulatory patient and admitted patients from ward. Further to this Ms Kirtee also explained about scrubbing, gowning and gloving through videos. Post tea break Ms Kirtee through videos explained on how

instrument trolleys should be arranged, proper handling techniques of the instruments to avoid any injury and also explained about aseptic methods. She also added that if we follow the protocols, we do justice to the patients. Dr Savitri added that patient's hair has more bacteria than skin, eye brow or eye lashes and this is the reason why the patients have been asked to take bath and also informed participants that cutting eye lashes before surgery has no benefit.

Dr Varsha Rathi made a presentation on "*Equipment, instruments and linen required in OR and OT material management*". She explained about mattress, pillow covers, blankets, bed sheets, towels, screens, curtains, doctors' coats, theatre cloth management and also suggested to keep OR linen separate. She suggested a daily, weekly and monthly routine to be done for these managements.

Ms Kirtee and Mr Puspendra made presentation on "*Instrument Disinfection & Cleaning*". supported by relevant videos and then demonstrated live the entire process of disinfection and cleaning of instruments. Next video was explaining the instrument, material, linen packing, test packs, indicators and documentation of both autoclave and ETO. They also gave live demonstration for more clarity.

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

Post tea break, **Dr Ashi Khurana**, CL Gupta Eye Institute spoke on, "*Waste Disposal System at CL Gupta Eye Institute*". Dr Ashi started her presentation with different



Dr Ashi Khurana

categories of waste materials and defined the Bio Medical Waste (BMW) and its characterization. She informed the participants about categories of persons exposed to risk of infection which are sanitation workers, medical & paramedical staffs and patients and public. She also explained about methods of transmission of infections and also the high risk areas. And at last she explained the flow of waste disposal at CLGEI. Dr Ashi explained about segregation, colour coding of waste containers, treatment options, symbols to be used, storage of waste and its collection, transportation and disposal of waste and also important personal protective measures to be

taken. She also suggested that final transport of BMW must be to CBMWTSDF only in authorized vehicle with appropriate documentation for further record and also ophthalmologists, optometrists, laboratory personnel, patient care staff and housekeeping staff members should be trained on handling of biomedical waste.

Ms Kirtee also spoke about waste disposal system at LV Prasad Eye Institute and shared international norms as well.

Day 2 began with a presentation by **Dr Varsha Rathi** on "*Human Resources required in OR*". She spoke on support services to ensure staff has what they need to perform their job and to ensure the organisation is adequately staff. 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 that HR representatives should come up with HR policies and systems in

line with employment laws, should develop position descriptions and job advertisements, manage new employee orientation/induction etc. She also focused on HR managers' role on nurses, in particular, experience stress and concern when there is a need to raise issues about other staff – and in particular, medical staff. Representatives should come up with appropriate reporting structures and organisational cultures and systems need to be in place so nurses feel able to raise legitimate concerns with the knowledge that they will be supported. Dr Varsha also suggested 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.

Dr Savitri then made presentations on OR Cleaning & Fumigation and also on Microbiological Surveillance of OT.

Hands on training:

Towards the end of the programme, all delegated were given hands – on - training on scrubbing, gowning, gloving, arranging instrument trolley and handling instrument to avoid any needle stick injury and demonstration on fumigation.



Hand -on -training on Gowning & Gloving



Instruments cleaning



Scrubbing



Arranging instrument trolley and handling instrument

A pre and post test was conducted by the resource persons to gauge the leanings participants. A total of 46 delegates participated in the tests. Post test showed that more than 89% participants have scored positive result.



GROUP PHOTO

Gratitude:

- *Our sincere thanks to CL Gupta Eye Hospital for their support towards conducting this training programme*
- *Our special thanks to resource persons Dr Savitri Sharma, Dr Varsha Rathi, Dr Ashi Khurana, Ms Kirtee Mayee and Mr Puspendra 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*

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- *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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