

A Report

2019

Webinar on Good Practices for Infection Control



VISION 2020 INDIA
Knowledge Hub
Presents
Webinar

Date: 29 March 2019

Time: 16:00 – 17: 00 hrs

Good Practices for Infection Control

Context: The quality and outcomes of cataract surgery have improved substantially over last few years. However, post operative infection remains the biggest challenge for the ophthalmologists with incidence of cluster infections occurring. With increased cases of medico-legal issues which strains the doctor patient relationship, we as service providers need to be more careful and conscious in maintaining high standards of services.

Infection control is a subject by itself and is an integral part of medical curriculum. Unfortunately, it is not taught either during under graduate or post graduate studies. Ophthalmologists learn the protocol and practices by observing their seniors and nursing staff.

With a better understanding of infection control practices and by following protocols and guidelines, we can easily reduce the rate of infection in cataract surgeries. The rate of endophthalmitis has come down to 0.01% -- 1: 10000 or even below that in western world. In India we have no credible data for the rate of endophthalmitis cases in India. A guess estimate could be around 0.1% -- 1:1000. We need to bring it down to comparable percentage with the western world.

Realising the importance of preventive measures to contain incidences of endophthalmitis, VISION 2020: The Right to Sight-INDIA is organising this webinar.

OBJECTIVES

Improve the understanding of the staff working in partner hospitals towards infection control practices.

Orient them to available guidelines and protocols and on techniques and measures of monitoring of each and every activity. Empower them with information on best practices to prevent post operative infections.

Emphasise the importance of proper documentation and provide them with samples.

Learning and Outcome

At the end of the webinar, the organisations will be able to understand:

- infection control practices and
- will be equipped with the tools for monitoring the activities taking place inside the operation theatre.



WHO CAN ATTEND

Ophthalmologists, optometrists, administrators, nurses and quality managers.



RESOURCE PERSON

Dr. Uday Gajiwala
Superintendent,
Tejas Eye Hospital,



orbis | **cybersight**

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

Introduction:

The quality and outcomes of cataract surgery have improved substantially over last few years. However, we still keep hearing about cluster infections every now and then. Post operative infection remains the biggest challenge for the ophthalmologists. With increasing medico-legal issues and doctor patient relationship suffering a drawback, we, as service providers, need to be more careful and conscious in maintaining high standards of services.

Infection control is a subject in itself and is an integral part of medical curriculum. Unfortunately, it is not taught either during undergraduate or post graduate studies. We learn the protocol and practices by observing seniors and nursing staff.

With a better understanding of infection control practices and by following protocols and guidelines, we can easily reduce the rate of infection in cataract surgeries. The rate of endophthalmitis has come down to 0.01% -- 1: 10000 or even below that in western world.

Keeping above points in view, VISION 2020 INDIA in association with Cybersight/ Orbis conducted a webinar on Good Practices on Infection Control on 29 March 2019 from 16:00 to 17:15 hrs. The technical resource person for the webinar was Dr Uday Gajiwala, Divyajyoti Trust, Mandavi, Gujarat.

Objective of the webinar:

- *Improve the understanding of the staff members working in partner hospitals towards infection control practices.*
- *Orient them to the available guidelines and protocols. Give them the information about the best practices to prevent post operative infections.*
- *Give them an idea about the techniques and measures of monitoring of each and every activity.*
- *Emphasise the importance of proper documentation and provide them with samples.*

Participation:

Encouraging participation observed in the webinar. Against the total of 75 registrations 40 participated. This webinar was attended by Trustees, CEOs, Ophthalmologists, Optometrists, Administrators, Nurses and Quality Managers.

Programme:

The session started with a formal welcome by **Mr Phanindra Babu Nukella**, CEO, VISION 2020 INDIA. He also explained the objectives of the webinar and introduced Dr Uday Gajiwala, the resource person.

Further, **Dr Uday Gajiwala** started the session with standard protocol for Operation Theaters and before that he discussed about the most important factors leading to infections which are:

- ❖ Inadvertent touch
- ❖ Sterilisation failure
- ❖ Environmental factors
- ❖ Patient factors
 - Inadvertent touch is most common in sporadic cases
 - Sterilisation failure is most common in cluster infections

He also spoke on source of bacteria and fungi and further talked about preventing post operative infection. After focusing on causes for infection, he spoke on OT protocol and suggested the precautions to be taken to avoid infections. During this session he focused on patient preparation, personnel preparation (scrubbing – gowning – gloving), etiquettes in the operation theater, trolley preparation and handling intraocular fluids & other items.

He also made few pictorial presentations to make the audience understand about the preparations to be done before surgery. He focused on different techniques to prevent intra operative intra ocular bacterial contamination such as:

- ❖ Reduce – optimise total operating time
- ❖ Draping technique
 - Isolate lids and lashes
 - Use of plastic drape
- ❖ Avoid pooling of surface fluids
- ❖ Limit entrances
- ❖ Avoid complications
 - Capsule rupture

He informed to the audiences that use of 1 mg intra cameral cefuroxime in Swedish study brought down the post operative endophthalmitis rate to 0.06%.

Subsequently Dr Uday spoke on the protocol to be followed on the OT table and other considerations. He also spoke about the sterilization process and also about monitoring sterilisation procedures and biological indicators. He shared the classification of indicators.

He then spoke about cleaning of instruments, operating room and corridor, equipments and furniture, water tank, sink, drain and the environment, OT etiquettes, decontamination of hand etc.. Discussion held on many other issues also which are recorded and can be downloaded to get the entire sessions recording.

Please note that the maximum number of surgeries per Ophthalmologists/ day is 20 – 30 as per the attached guideline of NPCB.

At the end, participants asked questions which were answered by Dr Uday. Dr Phanindra Babu Nukella wrapped up the programme by giving vote of thanks to Cybersight, Orbis, Dr Uday for the support and to delegates for their participation.

Webinar recording:

The entire webinar was recorded. Please refer to the link given into the email to download the entire recording of the webinar can be heard or downloaded:

<https://cybersight.zoom.us/recording/share/bW03DIRe3ZKofg0XBK3SYgOxtK2O1uf91pENsYMP9LWwlu mekTziMw>

Kindly note that this link will be active only for 7 days, starting from 11 April 2019.

Gratitude:

-
- *VISION 2020 INDIA is sincerely thankful to Dr Uday Gajiwala for his valuable time and kind support for the cause.*
 - *Sincere thanks to Cybersight/ Orbis India team, and Mr Gangadhar from Cybersight, Australia for their support in conducting the webinar through Cybersight platform*
 - *Our sincere thanks to all the delegates, participated in the webinar and thanks for their encouraging response*
 - *We are extremely thankful to each and every one who supported us to make this webinar a grand success*
-