

MGM

Newsletter

Issue - II, 2021



MGM Eye Institute

*In Pursuit of Excellence and Equity Eye Care
A Mission for Preventing Curable Blindness*



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MGM Newsletter

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79th AIOC Virtual 2021

Evolution of Operation Theatre

- Operation theatre has evolved from a simple room with minor equipments to a packed theatre and eventually to the sterile and special environment of modern operating theatres (from 18th century to 19th century)
- This is a consequence of acceptance of "Germ theory" of disease that was theorized in mid 16th century and validated in mid late 19th century

18th Century 20th Century

06:17

HELMHOLTZ Hall Timer

Laboratory processing

Media	Environment	Temperature
Blood agar	Aerobic	37°C x 48h
Chocolate agar	Aerobic + 5% CO ₂	37°C x 48h
Saboraud's agar	Aerobic	27°C x 96h

05:00

79th AIOC Virtual Conference was held between 24th - 27th June 2021. Director of MGMEI Dr Deepshikha Agrawal and Consultants participated actively in the Instruction course as speaker. Instruction course was on Accreditation post Covid Era and A-Z of heart Ophthalmologist (OT) safety Practices and protocols.

Dr. GITUMONI SHARMA

Dr. MIHIR MISHRA

HELMHOLTZ Hall Timer

Dr. Sagarmoy Purkayastha

Ekta - Hall Coordinator

Dr. Anupam Sahu

HELMHOLTZ Hall

Dr. SAMRAT CHATTERJEE

Dr. REENA GUPTA

Dr. Tanmayi

Dr. Deenshikha Agrawal

HELMHOLTZ Hall Backun

MGMEI in 79th AIOC Virtual 2021

Operation Theatre is that **specialized facility** of the hospital where life saving or **life improving procedures** are carried out on the human body by **invasive methods** under strict **aseptic conditions** in a **controlled environment** by specially trained personnel to promote healing and cure with **maximum safety, comfort and economy**

Dr. MIHIR MISHRA

09:36

HELMHOLTZ Hall Timer

High frequency sound waves dislodge tissue and other particles adhering to instruments, while it is soaked in DW or recommended solution.

While keeping the instruments in the basket, make sure they do not touch each other

Dr. Anupam Sahu

04:58

HELMHOLTZ Hall Timer

79th AIOC Virtual Conference was held between 24th - 27th June 2021. Consultants of MGMEI Dr Samrat Chatterjee, Dr Anupam Sahu, Dr Mihir Mishra participated actively in the Instruction course as speaker, Dr Samrat Chatterjee, Dr Swapnil Parchand, Dr Anil Gangwe, presented paper for competition along with e posters and physical poster.

Top 15 Video-Anterior Segment - I

Dr Samrat Chatterjee

Filling The Void - Multi - Layered Amg In Corneal Perforations

Dr. Sharad Gomase

04:32

Honor Award for Peer Review

9. Prof Purvi Bhagat
10. Dr Samrat Chatterjee
11. Dr Simar Rajan Singh
12. Dr Soham Basak

Dr. Samrat Chatterjee

Dr. Soham Basak

Dr Samrat Chatterjee, Consultant Cornea and Anterior Segment got the AIOC 2021 **Top 15 videos Anterior Segment 1**. Award by his presentation on Filling the void- multi-layered AMG in corneal perforation and also received the **Indian Journal of Ophthalmology Honor Award for Peer Review 2021**

Regulation of secretion - lacrimal function unit

Integrated Lacrimal Functional Unit

Blink rate/cycle

Dr. Sharad Gomase

04:32

Continuous evolution of concepts of DE

Pre-90s	1995	2006	2007	2017
• Dry eye – keratoconjunctivitis sicca	• Syndrome & Description & standardization of steps	• Delphi group	• TFOS-DEWS I report	• TFOS-DEWS II report
• New concept		• First attempt at consensus approach	• Definition Standardization of tests	• Definition modified
• Early understanding of tear film physiology				• New concepts

Dr. Deepshikha Agrawal

08:07

Changing paradigms in Dry Eye Disease was presented by MGMEI Cornea and Anterior Segment Services consultants Dr Deepshikha Agrawal, Dr Samrat Chatterjee and Dr Sharad Gomase with live discussion and question answers.

Community Outreach Service



Free door to door screening was done in villages to reach the unreached by following strict COVID 19 protocols, and the patients with eye diseases mostly cataracts and were referred to MGMEI for treatment where surgery was done as per indication free of cost. MGMEI COVID protocols were followed strictly



• Free Eye Screening was done during, with comprehensive eye check up including - vision testing .The importance of a healthy eye was emphasized to the people. Training to nain mitra were given regarding the eye screening and eye diseases. MGMEI COVID protocols were followed strictly



The patients were brought to MGMEI from remotest area following eye screening not only for free cataract surgery but also for other eye related problem . The surgery of the eye for the poor patients are done free of cost. MGMEI COVID protocols were followed strictly

Vision is Life

A prematurely born baby at 32 weeks and birth weight of 1100 gms was screened at a pediatric hospital and diagnosed as Zone I APROP in both the eyes, a severe and rapidly progressive blinding disease of infants. Parents were counseled regarding the need for immediate treatment and baby was given Intravitreal Injection Ranibizumab in both the eyes. One-month post injection, the disease has now regressed completely to immature retina and the baby has been kept on regular follow-ups to look for any recurrences. With timely screening and prompt treatment we were able to salvage the child's vision.



Black fungus Red alert



Dr Mihir Mishra, Consultant, MGMEI gave important tips and information to viewers regarding early detection and prevention of black fungus and how to save eye and life with timely management in news channel IBC24 live.

Services

- ❖ Cornea & Ant. Segment
- ❖ Glaucoma
- ❖ Vitreo Retina
- ❖ Pediatric Ophthalmology
- ❖ Strabismus
- ❖ Orbit, Oculoplasty & Ocular Oncology
- ❖ Custom Made Prosthesis
- ❖ Neuro Ophthalmology
- ❖ Uvea
- ❖ Low Vision
- ❖ Contact Lens
- ❖ Eye Bank
- ❖ Community Outreach
- ❖ Dry Eye Clinic



Publications

- Chatterjee S, Agrawal D, Parchand SM, Sahu A. **Cataract surgery in retinitis pigmentosa.** Indian J Ophthalmol 2021;69:1753-7.
- Chatterjee, Samrat, Agrawal Deepshikha, Sanowar Gul, Kandoi Rushi. **Prevalence of symptoms of dry eye disease in an urban Indian population,** Indian Journal of Ophthalmology: 2021;69:1061-1066.
- Chatterjee, Samrat. Commentary: **Diagnostic markers for suspected Herpes Simplex virus keratitis – A bridge too far.** Indian J Ophthalmol 2021;69:858-859
- : Sahu A, Agrawal D, Bhatia P. **Is the high contrast visual acuity chart a good predictor of improvement in visual acuity with low vision aids?** Indian J Ophthalmol 2021;69:1872-5.



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