

MGM Newsletter

Volume - II, 2018

The 3rd Annual meeting of Indian Retinopathy of Prematurity (iROP) Society was organised by MGM Eye Institute on 21- 22 July. It was attended by Prof. Raj Vardhan Azad, President iROP society, Prof. Wei Chi Wu (Taiwan), Dr. Anand Vinekar, General secretary iROP society and other mentors like Prof. Mangat Dogra (PGI, Chandigarh) Prof. Pramod Bhende (Sankara Netralaya, Chennai), Prof. Subhadra Jalali (LVPEI, Hyderabad) and Prof. Parijat Chandra (AIIMS, New Delhi). More than 20 scientific papers were presented by iROP society members from various parts of India. First Prof. Raj Vardhan Azad oration was delivered by Prof. Wei Chi Wu (Taiwan). Mrs. Ranu Sahu, Director Health Services, graced the occasion as the Chief Guest for inauguration function.



First Mid Year CSOS Conference - 2018, AIOS - ARC Cataract and Glaucoma Symposium was held at ZONE by the Park Hotel on 15th July with MGMEI Consultant Dr. Samrat Chatterjee as guest faculty highlighted on "Best protocols for Cataract Surgery" and in Glaucoma "Is the field defect progressing" by Dr. Debasish Dash.



Vision 2020 Annual Conference, 2018 was attended by the Director Dr. Deepshikha Agrawal and consultant Dr. Anupam Sahu from MGMEI held on 7th-8th June at Sankardeva Netralaya, Guwahati, Assam.



Demonstration of Basic Life Support Skill of **Basic Life Support Course** was organized at MGMEI , on 13 May 2018. BLS training was conducted by Dr Pratibha Jain Shah, Faculty, Academy of Traumatology Ahmedabad, BLS and ACLS Instructor and was attended by the MGM staff and Consultants.

NABH orientation workshop was held on 14-04-2018 at MGMEI and NABH Accreditation Handbook was released by the Director & Consultants followed by class for Continuous Quality Improvement.



Guest lecture by Dr. Ashish Singh Aujla, Pediatric Neurologist was delivered on the subject of Pediatric Neurology “Interesting Syndromes with ophthalmic associations”. All consultants and DNB trainee attended the lecture and discussed about the various challenges in pediatric patients.





The Mobile Van Eye Clinic provide comprehensive eye checkup facilities in Rural areas and unreached places of Chhattisgarh. School screening and specialized camps on diabetic retinopathy and glaucoma screening is being done routinely. The Mobile Eye Clinic Van is equipped with A-Scan, Keratometer, Fundus Camera, Slit Lamp, Auto refractometer and facility for Optical dispensing .



Camps in different rural areas and under served areas are being conducted on regular basis and screened for cataract and other diseases and they are brought to MGMEI for further treatment free of cost. MGMEI has named the Community Outreach Programme as “MGM Anjor Mela” and under this banner Outreach Services is being provided in various districts of the state.



On the occasion of Road Safety Week 2018 an eye screening camp was organized by MGMEI for drivers and important information regarding eye health and vision was imparted.



Win Over Eye Cancer

A 5-year old girl child, from a village in Janjgir-Champa district, was brought by parents to MGM Eye Institute with complaints of bulging of the right eye ball since 1 month. After comprehensive evaluation diagnosis of axial proptosis with suspected rhabdomyosarcoma was made and in order to localize the probable mass, child was advised Magnetic resonance imaging (MRI) Orbit which was suggestive of intraorbital (intraconal) mass. Child was then planned for orbitotomy. In this procedure intraorbital mass was carefully removed. Diagnosis of EMBRYONAL RHABDOMYOSARCOMA (Eye Cancer) was made based on histopathology and immunohistochemistry confirmation. Child was referred to medical oncologist for chemotherapy treatment which the child is under going as per schedule. Early presentation and diagnosis, timed and intensively done intervention helped us, help the child, not only in preserving the eye but also her vision. The child is still undergoing chemotherapy.



New Vision for Premature New Born

Retinopathy of Prematurity (ROP) screening is been done in various hospitals in and around Raipur by MGMEI vitreo retinal consultants with timely detection and management done in Neonatal ICU in the form of LASER and the babies followed up at MGM Eye Institute.



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

Treatment of Bacterial Corneal Ulcer Revisited

5% cefuroxime in treatment of bacterial corneal ulcer

Bacteria and fungi are the two most common cause of corneal ulcers in India. For over 3 decades treatment of bacterial corneal ulcers has been either with a combination of fortified antibiotics (cefazolin and gentamicin/tobramycin) or monotherapy with generation fluoroquinolones. There are increasing reports of bacterial resistance to 4th-generation fluoroquinolones because of their widespread use as a prophylactic agent in various ocular surgeries.

In 2017 cefazolin was discontinued in the Indian market. The most effective alternative to cefazolin was Vancomycin. However, Vancomycin is a reserve drug in treating ocular infections and its widespread use as a primary therapeutic drug would result in widespread resistance. Therefore, an effective alternative to cefazolin was needed.

Cefuroxime is a 2nd-generation cephalosporin with similar antibacterial spectrum as cefazolin. A retrospective study was conducted at MGM Eye Institute between 2017-18 to see if it would be as effective as cefazolin. The results of treatment of a group of 21 patients with Gram-positive bacterial corneal ulcers with 5% cefuroxime with a group of 54 historical cohort treated with 5% cefazolin was compared. It was found that the outcome was similar in both the groups. Cefuroxime eye drops were well tolerated by the patients.

These results have significant implications as it shows that 5% cefuroxime can be an alternative to 5% cefazolin in treating Gram positive bacterial corneal ulcers and drugs like Vancomycin can be held in reserve. This study, the first of its kind, was published in the July 2018 edition of the Indian Journal of Ophthalmology. It should prove to be helpful in guiding ophthalmologist in selection of antibiotics to treat corneal ulcers.

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MGM Eye Institute is now ICO Fellowship Host & Training Center
visit www.mgmeye.org for details.

Phaco/SICS Trainee for April-July 2018



Dr Narendra Wala
Madhya Pradesh



Dr Dharmendra Kumar
Uttar Pradesh

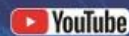


Dr Rajneesh Kumar Sharma
Uttar Pradesh



MGM EYE INSTITUTE

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



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