COMPLEX CATARACT & REFRACTIVE SURGERY CLINIC

20th-21st May 2017
Vivanta By Taj Yeshwantpur, Bangalore

PROGRAM SCHEDULE

4 CME Credit Hours awarded by Karnataka Medical Council
Under the aegis of Karnataka Ophthalmic Society & Bangalore Ophthalmic Society
DAY 1

SESSION - 1 (09:00 am - 09:30 am)

**Glaucoma**

**CASE SCENARIO 1**

A 52 year old male came with complaints of sudden pain, redness and diminution of vision since last 2 days in the right eye. With circumcorneal congestion, corneal edema and a shallow anterior chamber on examination, an intumescent mature cataract was diagnosed. Intraocular pressure was 42 mm Hg:

- Raised IOP: When do I take the patient up for surgery? Dr Harsha Rao 07 Min
- Phaco in white intumescent and morgagnian cataract Dr Harshul Tak 08 Min

**CASE SCENARIO 2**

A 60 year old female, on timolol and latanoprost eyedrops in both eyes, IOP of 18 and 15 mm Hg in the right and left eye respectively open angles on gonioscopy in both eyes. Right eye: Nuclear Sclerosis Grade 3 with a cup disc ratio of 0.8 with inferior rim thinning and RNFL defect, Left eye: Nuclear Sclerosis Grade I and a cup disc ratio of 0.7 with inferior rim thinning:

- Cataract surgery vs Combined Cataract surgery with Trabeculectomy: What’s my take? Dr R Venkatesh 07 Min
- Red flags to look for before, during and after surgery Dr Sathi Devi 08 Min

SESSION - 2 (09:30 am -11:15 am)

**Biometry**

**CASE SCENARIO 1**

A 55 year old female, a software engineer by profession, with a history of undergoing Radial Keratotomy, has come for cataract surgery in the same eye with an axial length = 29.3 mm

- How do I optimize the biometry? Dr. Arulmozhi Varman 07 Min
- How can I be sure of visual outcome and what role does aberrometry and topography play? Dr. Samaresh Srivastava 08 Min
- What intraoperative precautions will I take and what parameters do I choose for phacoemulsification? Dr. Chandrashekar Wavikar 08 Min
- Comparison of different biometers Dr. Mukesh Paryani 07 Min

**master class**

Master class (10:00 am - 10:20 am)

My most difficult biometry cases Dr Fam Han Bor 15 Min
**Case Scenario 2**
A 45 year old male, a known diabetic with advanced proliferative diabetic retinopathy, with status post pars plana vitrectomy and silicone oil insertion in the right eye, has now come with a mature cataract in the same eye:

- How do I calculate the IOL power in this case, and which lens to use?  
  Dr Ashwin Shetty  
  08 Min
- What technical challenges can I expect and how best to manage them during surgery?  
  Dr J K Reddy  
  07 Min

**Case Scenario 3**
A 45 year old male with advanced keratoconus, has an immature cataract with nuclear sclerosis Grade 3:

- What should I tackle first: Cataract or Cornea?  
  Dr. Rishi Swarup  
  05 Min
- Role of Premium IOLs in Keratoconus  
  Dr Ramesh Dorairajan  
  05 Min

**Case Scenario 4**
A 2 year old child with bilateral congenital cataract:

- How do I calculate the IOL power and the target refraction?  
  Dr Vaishali Vasavada  
  08 Min
- Rhexis management - Anterior and Posterior  
  Dr Jyoti Matalia  
  07 Min
- When to implant an IOL and where should I place it?  
  Dr Vaishali Vasavada  
  05 Min

*Discussion: 10 minutes*

Tea Break 11:15am - 11:30 am

**Master Class**
Advances in Refractive Surgery: What does the future hold for us?

Master class (11:30 am - 11:45 am)  
Dr Ronald Krueger  
15 Min

**Debate on ICL**
(11.45am - 01.00 pm)  
Moderators: Dr J K Reddy, Dr Chandrashekhar Wavikar

- A 23 year old female, with -8 D Sph and -2D Cyl in the right eye with ACD = 3mm, white to white = 12 mm and thinnest pachymetry of 490 microns:
  
  a. IPCL Vs ICL  
  Dr Keya Barman Vs Dr Himanshu Matalia  
  20 Min
  
  b. STS or WTW: What to rely on for sizing? Which WTW to choose?  
  Dr Vaitheeswaran L G  
  05 Min
  
  c. ICL in keratoconus and pediatric cases.  
  Dr Hemamalini  
  05 Min
  
  d. Interesting case presentations  
  20 Min
### Session 3 (01:30 pm - 02:15 pm)
#### Challenges in Cataract Surgery

<table>
<thead>
<tr>
<th>Case 1</th>
<th>A 22 year old male patient with hyperextensible joints, and an increased arm span, presented with uniconular diplopia and fluctuating vision. On examination, a grossly subluxated lens was diagnosed.</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>20 Min</td>
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<td></td>
<td>When do I operate this case? Dr Adrian Braganza 10 Min</td>
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<td>In the Bag vs Scleral Fixated IOL: How do I manage zonular weakness? Dr Chee Soon Phaik 10 Min</td>
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<td>Femtosecond Laser Assisted Cataract Surgery (FLACS): When and how can it help in such a case? Dr Harshul Tak 10 Min</td>
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<table>
<thead>
<tr>
<th>Case 2</th>
<th>A 60 year old hypertensive male with hard brown cataract, non-dilating pupil and no PXF: How will I approach this case?</th>
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<td>10 Min</td>
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<td>Dr Harshul Tak 10 Min</td>
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### MasterClass

<table>
<thead>
<tr>
<th>Topic</th>
<th>Speaker</th>
<th>Duration</th>
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<tr>
<td>How do I maintain my cool, when the patient is unhappy and distressed?</td>
<td>Dr. K Bhujang Shetty</td>
<td>15 Min</td>
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<tr>
<td>How do I negotiate, buy and get return on investment?</td>
<td>Dr. Y L Rajashekkhar</td>
<td>15 Min</td>
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**Discussion: 15 Minutes**

### Tea Break (3:15 pm - 3:30 pm)

**YOU Session: Video Based Learning (3:30 pm - 6:00 pm)**

Mentors: Dr Ronald Krueger, Dr Chee Soon Phaik, Dr Fam Han Bor
Moderators: Dr Deepthi Meda, Dr Praveen Murthy, Dr Sharon D' Souza, Dr Varun Kharbanda

**Keratoconus Screening in Refractive Surgery**

Dr Ronald Krueger 15 Min

**Step by Step Surgical Video Presentations by Fellows/ Residents / Young Ophthalmologists**

- Incision and its complications
- Capsulorhexis: How to manage extension
- Use of OVDs
- Nucleotomy Techniques
- PCR management
- IOL Yoga
- Wound Burns
- Topoguided Treatment Planning
- Refractive Sx & SMILE challenges
- Lost Flap
- Intra Op OCT

*For videos; 2 Min video followed by 5 Min discussion*
<table>
<thead>
<tr>
<th>DAY 2</th>
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<tbody>
<tr>
<td>SESSION - 1 (09:00 am - 09:45 am)</td>
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<tr>
<td>Management of unhappy patients</td>
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<td>Moderators: Dr Harshul Tak, Dr Chitra Ramamurthy, Dr Krishnaprasad Kudlu</td>
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</table>

| CASE SCENARIO 1 | Post refractive procedures | 15 Min |
| POSTREFRACTIVE DRY EYE | Dr Rohit Shetty |

| CASE SCENARIO 2 | Post cataract surgery | 15 Min |
| INTERESTING CASE SCENARIOS | Discussants: Dr Mathew Kurian, Dr Arulmozhi Varman |

| CASE SCENARIO 3 | A 60 year old male who had an uneventful cataract surgery, now comes back with complaints of a dark shadow in the temporal visual field: | 15 Min |
| How do I manage dysphotopsia post cataract surgery? | Dr Aarti Agrawal |

| SESSION - 2 (09:45 am - 10:30 am) |
| Cornea Session |
| Moderators: Dr Quresh Maskati, Dr R Krishnaprasad |

| CASE SCENARIO 1 | A 75 year old female with a mature cataract in the right eye with guttae visible on slit lamp examination. Additionally, the specular microscopy of same eye shows CV = 62 and CD = 1400 | 10 Min |
| How do I determine whether to proceed with cataract surgery or to opt for DSEK/ DMEK before cataract surgery | Dr Rishi Swarup |
| Does Femtosecond Laser Assisted Cataract Surgery provide an additional advantage in such a case? | Dr Naren Shetty |

| CASE SCENARIO 2 | A 54 year old female, underwent penetrating keratoplasty 6 months ago, for macular corneal dystrophy in the right eye. Patient now has an immature senile cataract of nuclear sclerosis grade 3 in the same eye | 10 Min |
| What is the right time to operate in this case and how will my surgical technique change? | Dr Himanshu Matalia |

| CASE SCENARIO 3 | A 45 year old male who is a known case of keratoconus came for cataract surgery. Is Toric IOL an option? | 10 Min |
| Toric/ Toric multifocal IOLs in Keratoconus and PMD - My point of view | Dr Himanshu Matalia |
| vs Dr Rishi Swarup |

*Discussion: 15 Minutes*
### SESSION - 3 (10:30 am - 10:45 am)
**Laser based treatment in complex cornea**
Moderators: Dr Chitra Ramamurthy, Dr Harshul Tak, Dr Suvira Jain

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<thead>
<tr>
<th>Case Scenario</th>
<th>Presentation</th>
<th>Speaker</th>
<th>Duration</th>
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<tbody>
<tr>
<td>1</td>
<td>A 56 year old male with history of undergoing LASIK and having irregular astigmatism due to decentered ablation. What are the options for treatment?</td>
<td>Dr Chitra Ramamurthy</td>
<td>15 Min</td>
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### masterCLASS

(10:45 am - 11:00 am)
**Management of small pupil during cataract surgery**
Dr Chee Soon Phaik

### SESSION - 4 (11:00 am - 01:00 pm)
**Translational Research, Imaging, Innovation in Cataract and Refractive surgery**
Moderators: Dr Quresh Maskati, Dr J K Reddy, Dr Chandrashekhar Wavikar

<table>
<thead>
<tr>
<th>Topic</th>
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<tbody>
<tr>
<td>Cell to Clinic Translation</td>
<td>Dr Rohit Shetty</td>
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<td>Innovation in taming the epithelium: Schwind 1050RS</td>
<td>Dr Rohit Shetty</td>
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<tr>
<td>Zepto Capsulotomy - Getting a perfect rhexis from hand to machine</td>
<td>Dr Rishi Swarup</td>
</tr>
<tr>
<td>Artificial Intelligence, Corneal Biomechanics and Mathematical modelling</td>
<td>Dr Abhijit Sinha Roy</td>
</tr>
<tr>
<td>Comparing Newer Topographers</td>
<td>Dr Luci Kaweri</td>
</tr>
<tr>
<td>Posterior Corneal Astigmatism and its applications</td>
<td>Dr Chandrashekhar Wavikar</td>
</tr>
<tr>
<td>New IOL formulae and the future</td>
<td>Dr Mathew Kurian</td>
</tr>
<tr>
<td>IOL Innovations</td>
<td>Dr R C Shah</td>
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<tr>
<td>Supracor for presbyopia</td>
<td>Dr Mohita Sharma</td>
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**Lunch Break: 1:00 pm - 2:00 pm**

### SESSION - 5 (02:00 pm - 02:45 pm)
**Presbyopia**
Moderators: Dr Arulmozhi Varman, Dr Krishnaprasad Kudlu, Dr. Ambarish Darak

<table>
<thead>
<tr>
<th>Case Scenario</th>
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<tbody>
<tr>
<td>1</td>
<td>A 45 year old emmetropic male with dysfunctional lens syndrome:</td>
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<td>10 Min</td>
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<td></td>
<td>Presbyopic Surgery</td>
<td>Dr. Krishnaprasad K vs Dr. Fam Han Bor</td>
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<td>My experience of managing a case of presbyopia</td>
<td>Dr. Ambarish Darak</td>
<td>10 Min</td>
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<tr>
<td>2</td>
<td>A 52 year old female with -3 D of myopia, wants to be free of glasses:</td>
<td>Dr. Somshekar N</td>
<td>10 Min</td>
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<td>Options for management</td>
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<td>Devils advocate in multifocal IOL</td>
<td>Dr. Ronald Krueger vs Dr Arulmozhi Varman</td>
<td>10 Min</td>
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SESSION - 6 (02:45 pm -03:15 pm)
Uvea

Moderators: Dr MS Ravindra, Dr Krishnaprasad Kudlu

A 62 year old male, had an uneventful cataract surgery, presents 1 month later with a visual acuity of 3/60. Hypopyon with +4 cells and a fibrin membrane over the IOL are seen on slit lamp with a hazy view of the retina:

Intravitreal antibiotics or pars plana vitrectomy?
Does EVS still hold true?
How do I go back and ensure my OT is safe?
Pre-operative measures to minimize endophthalmitis?
Ideal OT and sterilization of instruments

Dr Padmamalini M
Dr Ramesh Dorairajan
Dr M S Ravindra

30 Min
10 Min
10 Min
10 Min

Tea Break : 3:15 pm – 3:30 pm

YOU Session : Video based learning (03:00 pm - 05:30 pm)
Mentors: Dr Ronald Krueger, Dr Chee Soon Phaik, Dr Fam Han Bor
Moderators: Dr Suvira Jain, Dr Venkatesh, Dr M S Ravindra
Dr Sharon D’ Souza

Step by Step Surgical Video Presentations by Fellows/Residents Young Ophthalmologists

Small Pupil Management | Intumescent Mature Cataract | Double Rhexis |
Hard Brown Cataract | Management of Zonular Dialysis | Cataract in High Myopic |
Small and Deep Sockets | Use of Lens Scaffold | Secondary IOL Implantation |
MSICS in Complex Cataract | DM detachment: Air bubble between DM & Dua’s layer

*For videos ; 2 Min video followed by 5 Min discussion

International Faculty

Dr. Fam Han Bor
Tan Tock Seng Hospital
Singapore

Dr. Chee Soon Phaik
Singapore National Eye Centre
Singapore

Dr. Ronald A. Krueger
Cleveland Clinic
USA
National Faculty

Dr Aarti Agrawal    Dr Jyoti Matalia    Dr R C Shah
Dr Abhijit Sinha Roy Dr K Bhujang Shetty    Dr Rishi Swarup
Dr Adrian Braganza    Dr Keya Barman    Dr R Krishnaprasad
Dr Ambarish Darak    Dr Krishnaprasad Kudlu    Dr Rohit Shetty
Dr Arulmozhi Varman    Dr Luci Kaweri    Dr R. Venkatesh
Dr Ashwin Shetty    Dr Mathew Kurian    Dr Samaresh Srivastava
Dr Chandrashekhar Wavikar    Dr Mohita Sharma    Dr Sathi Devi
Dr Chitra Ramamurthy    Dr M S Ravindra    Dr Sharon D’Souza
Dr Deepthi Meda    Dr Mukesh Paryani    Dr Somshekar N
Dr Harsha Rao    Dr Naren Shetty    Dr Suvira Jain
Dr Harshul Tak    Dr Padmamalini M    Dr Vaishali Vasavada
Dr Hemamalini M S    Dr Praveen Murthy    Dr Varun Kharbanda
Dr Himanshu Matalia    Dr Quresh Maskati    Dr Y L Rajashekar
Dr J K Reddy    Dr Ramesh Dorairajan

YOU Faculty

Dr Ashima Bajaj    Dr Pallak Kusumgar    Dr Sanket Bhatnagar
Dr Chaithra Aroor    Dr Pooja Khamar    Dr Tejal S J
Dr Kanchan Sainani    Dr Poojita V K    Dr Tushar Grover
Dr Nikhil Kandurwar    Dr Roshan T    Dr Urvija Choudhary

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