

## Curriculum Vitae

(Updated 4<sup>th</sup> July, 2011)

Mihir Kothari



### Career Objective:

To provide state of the art Pediatric Eye Care and Pediatric Low Vision Care integrated with unremitting community service, teaching and research.

### Qualifications and academic record:

**MBBS, MS, DNB, FPOS, Diploma in Pediatric Ophthalmology and Strabismus, FAICO, Fellowship in Neuroophthalmology.**

1. 1992 to 1997: **MBBS** Mahatma Gandhi Institute of Medical Sciences, Sewagram.
2. 1997 to 1998: Internship: Nair Hospital, Mumbai Central, Mumbai.
3. 1998 to 2001: **MS** (Master of Surgery, Ophthalmology): Schell Eye Hospital, **Christian Medical College and Hospital, Vellore.**
4. 2002: **DNB** (Diplomate Of National Board Of Examination, Ophthalmology).
5. 2001 to 2003: Fellowship in Pediatric Ophthalmology & Strabismus, (**FPOS**) Aravind Eye Hospital, Madurai.
6. 2004: **ICO** (International Council of Ophthalmology) part 1 (Basic sciences in Ophthalmology including Refraction and Optics)
7. 2004: **IFOS/ICO Diploma in Pediatric Ophthalmology and Strabismus** at Wilmer Eye Institute, **Johns Hopkins University School of Medicine**, Baltimore, MD, USA.
8. 2010: **FAICO Fellowship of All India Collegium of Ophthalmology** in Pediatric Ophthalmology and Strabismus.

9. 2011: Fellowship in **Pediatric Neuro-ophthalmology** at *Smith Kettelwell Eye Research Institute*, San Francisco, CA, USA.

### Teaching Experience:

1. Teaching to 2<sup>nd</sup> year and Final year MBBS students, Final year BPT (Physiotherapy) and Occupational therapy students, B.Sc. (Bachelor of Science) Nursing students, Optometrist and junior PG (post graduate) residents at Christian Medical College, Vellore.
2. Teaching the DNB residents at Bombay City Eye Institute and Research Center, Mumbai, India
3. Instruction Course 'Frontiers in Pediatric Cataract Management' for the Ophthalmologists at All India Ophthalmological Society, Bhuvneshwar, 2005.
4. Chief instructor for the Instruction Course 'Road to Orthophoria'. Conference of Bombay Ophthalmic Association and Maharashtra Ophthalmic Society, 2005.
5. Visiting faculty. Aditya Jyot School of Optometry, Mumbai, India
6. Chief instructor for the Instruction Course 'Fine art of prescribing glasses in children'. Conference of All India Ophthalmological Society, 2009.
7. Co-instructor: Vision assessment in Children. Graded optotypes and Preferential Looking Methods. AIOC, 2010, Kolkata.
8. Co-instructor: Vertical Squint. MOSCON 2010, Sangli, Oct, 2010.
9. Co-instructor: Iatrogenesis – Squint AIOC, 2011, Ahmedabad, Feb, 2011.

### Research Activities:

#### **Publications**

1. The Kariapatti pediatric eye evaluation project: baseline ophthalmic data of children aged 15 years or younger in Southern India. **Am J Ophthalmol.** 2003 Oct;136(4):703-9.

2. The incidence of vitreous loss and visual outcome in patients undergoing cataract surgery in a teaching hospital. **Indian J Ophthalmol. 2003 Mar;51(1):45-52.**
3. The Kariapatti pediatric eye evaluation project: baseline ophthalmic data of children aged 15 years or younger in Southern India. **J Comm Eye Health 2003;16(48): 62.**
4. Intracameral amphotericin B injection in the management of deep keratomycosis. **Cornea. 2002 Oct;21(7):653-6.**
5. Can Bruckner test be used as a Rapid Screening Test for the detection of amblyogenic factors in developing countries?. **Am Orthopt J. 2003**
6. Pediatric ophthalmology and strabismus in India. **J AAPOS. 2004 Feb;8(1):18-9.**
7. Can ocular torsion be measured using the slitlamp biomicroscope? **Indian J Ophthalmol. 2005 Mar;53(1):43-7.**
8. Recurrence of bilateral herpes simplex virus keratitis following bimatoprost use. **Indian J Ophthalmol. 2006 Mar;54(1):47-8.**
9. Giant corneal implantation cyst after the filtering surgery. **Indian J Ophthalmol. 2006 Jun;54(2):117.**
10. Clinical characteristics of spontaneous late-onset comitant acute nonaccommodative esotropia in children **Indian J Ophthalmol. 2007 Mar-Apr;55(2):117-20.**
11. Can the Bruckner test be used as a rapid screening test to detect significant refractive errors in children? **Indian J Ophthalmol. 2007 May-Jun;55(3):213-5.**
12. Primary superior oblique muscle-levator muscle synkinesis. **J AAPOS. 2007 Apr;11(2):204-5.**
13. Precaruncular approach for the periosteal transfixation of the globe in congenital third nerve palsy. **J AAPOS. 2007 Apr;11(2):207-8.**

14. A report on 65<sup>th</sup> Annual conference of All India Ophthalmic Society. *Sunayana 2007 Expert Rev Ophthalmol* 2(3). 341-342,2007.
15. Kothari M, Asnani P, Kothari K. Anterior dislocation of a sulcus fixated posterior chamber intraocular lens in a high myope. **Indian J Ophthalmol**. 2008 January-February;56(1):78-80.
16. Kothari MT, Maiti A. Ophthalmic artery occlusion: a cause of unilateral visual loss following spine surgery. **Indian J Ophthalmol**. 2007 Sep-Oct;55(5):401-2.
17. Fornix incision, hangback suture technique for squint surgery. **Text book of Ophthalmology**. Edited by H V Nema
18. Clinical characteristics of spontaneous late-onset comitant acute nonaccommodative esotropia in children. Letter to the Editor. **Indian J Ophthalmol**. 2007 Jul-Aug;55(3):319.
19. Spontaneous late-onset comitant acute nonaccommodative esotropia in children. **Indian J Ophthalmol**. 2008 Mar-Apr;56(2):168.
20. Paralysis of the near-vision triad in a child. **J AAPOS**. 2009 Apr;13(2):202-3. [cover page]
21. Evaluation of central, steady, maintained fixation grading for predicting inter-eye visual acuity difference to diagnose and treat amblyopia in strabismic patients. **Indian J Ophthalmol**. 2009;57(4):281-4.
22. Comparison of psychosocial and emotional consequences of childhood strabismus on the families from rural and urban India. **Indian J Ophthalmol**. 2009;57(4):285-8.
23. Psychosocial and emotional consequences of childhood strabismus in Rural and Urban India. **Indian J Ophthalmol**. 2009;57(4):288-10.
24. Status of pediatric eye care in India. **Indian J Ophthalmol**. 2009 Mar-Apr;57(2):162.
25. Excision of persistent pupillary membrane using a suction cutter. **J Pediatr Ophthalmol Strabismus**. 2009 May-Jun;46(3):187.

26. Resolution of recurrent conjunctival papilloma after topical and intralesional interferon alpha2b with partial excision in a child. [cover page]. **J AAPOS**. 2009 Oct;13(5):523-5.
27. A novel method for management of conjunctival inclusion cysts following strabismus surgery using isopropyl alcohol with paired injection technique. **J AAPOS**. 2009 Oct;13(5):521-2.
28. Psychosocial consequences of childhood strabismus India. **Indian J Ophthalmol**. 2010 May-Jun;58(3): author reply 258-9.
29. Unilateral situs inversus of optic disc associated with reduced binocularity and stereoacuity resembling monofixation syndrome. **Indian J Ophthalmol**. 2010 May-Jun;58(3):241-2
30. Bilateral Staphylococcus aureus sub-Tenon's abscess following strabismus surgery in a child. **J AAPOS**. 2010 Apr;14(2):193-5. Epub 2010 Mar 20.
31. Intravitreal anti-vascular endothelial growth factor agents as an adjunct in the management of Coats' disease in children. **Indian J Ophthalmol**. 2010 Jan-Feb;58(1):76-8.
32. Ultra-rapid school vision screening in developing nations using the Brückner test. **Am Orthopt J**. 2010;60:82-6.
33. Natarajan S, Chakravarti A, Kothari M, Singh AP. Vitreoretinal surgery in pediatric cases. **Retina**. 2010 Oct;30(9):1554; author reply 1554.
34. A survey of ophthalmology residents' attitudes toward pediatric ophthalmology. (**in print JPOS**)
35. Smart lacrimal probes assisted with Endoscope for probing in patients with CNLDO **Indian J Ophthalmol**. 2011 Jan-Feb;59(1):70-1.
36. **Book chapter:** Jaypee Publications. Adjustable suture squint surgery.
37. Inferior trabeculotomy and trabeculectomy for refractory pediatric glaucomas. **Indian J Ophthalmol**. 2011 Jul-Aug;59(4):323.

38. Atropine for prediction of accommodative component of esotropia. (**in print, IJO**)
39. Transient Superior oblique palsy after facial rejuvenation with Botox. (**in print, IJO**)
40. Witnessing a squint surgery by the relatives. (**In print, IJO**)
41. UBM for measurement of IOL tilt (**In print, Ophthalmologica**)

### **Publications under Review:**

1. DDDO: A novel technique for measurement of accommodation in young children and neurological impaired patients. (IJO)
2. Smart probes for probing. (Book chapter, Jaypee)
3. Post-traumatic Inferior Oblique palsy, angle recession and accommodation failure in a child.

### **Ongoing Research:**

1. Use of sprayer for the instillation of cycloplegic in children's eyes.
2. Comparison of distance stereopsis measurement using TNO test and inverted telescope system with the Nidek Projector Chart and polarizing filters.
3. Use of Computerised Vergence Software in the management of patients with Convergence Insufficiency.
4. Effect on image size in the spectacle corrected anisometropes.
5. Systemic manifestations of Alport's Syndrome presenting primarily at tertiary eye care centre.
6. Is Cycloplegic Refraction Necessary in Children with Compound Myopic Astigmatism?
7. Comparison of Lea Grating and Cardiff Acuity Cards for the assessment of vision in preverbal

children.

8. Comparison of the predictive value of assessing the disparity in the near acuity vs distance visual acuity, crowding acuity vs single letter acuity and therapeutic trial of SyndopaPlus in amblyopia.
9. Role of uncorrected or inappropriately corrected refractive errors, accommodative dysfunction and anomalies in motor fusion in the causation of aesthenopia and the effect of its treatment.
10. Is there a good correlation of New Castle Control Score to the distance and near stereoacuity measurements in patients with intermittent exotropia?
11. Progression of intermittent exotropia and its psycho-social and emotional impact.
12. Visual acuity changes and Multifocal ERG in adult amblyope on patching therapy combined with Levodopa – Carbidopa therapy.
13. Accommodative dysfunction in neurologically impaired children.
14. Comparison of Dynamic retinoscopy with dynamic Bruckner test in assessment of Accommodative function in a child.
15. Efficacy and safety of Levodopa in the management of bilateral isoametropic amblyopia.
16. MfERG in Amblyopia and response to Levodopa
17. Visual Functions in cerebral vision impairment
18. Dynamic Bruckner test: A simple test to assess accommodative function in young children.
19. Measurement of Angle Kappa using slitlamp biomicroscope.
20. Comparison of TNO test, Lang test and Randot test in the measurement of stereoacuity for near.
21. Recovery of bilateral aggressive posterior Retinopathy of Prematurity after unilateral intravitreal injection of Bevacizumab in a child not responding to extensive retinal LASER PRP.

22. Predictive value of atropine to assess accommodative component of esotropia when associated with hypermetropia.
23. Bilateral anterior coloboma with Optic nerve hypoplasia.
24. Idiopathic sequential bilateral Brown's syndrome in a child.
25. Comparison of CAC and LEA gratings for assessment of vision in preverbal children.
26. Use of teleophthalmology in Pediatric Ophthalmic Emergencies.
27. Botox for facial rejuvenation causing transient superior oblique palsy.
28. Rapidly changing vision: A sign of increased plasticity of the visual system with oral levodopa.
29. Comparison of 20 prism base out test, Worth 4 dot test and Bagolini test to assess peripheral fusion in young children.
30. Simultaneous recession and resection of rectus muscle for incomitant strabismus.

### **Paper Presentations and Invited Faculty:**

1. Ocular manifestations of Congenital Rubella Syndrome. TNOA, 2002; Triruchirapally
2. Long term visual outcome after primary intraocular lens implantation following Pediatric Penetrating Trauma. **BEST PAPER** in Trauma category. AIOS, 2002; New Delhi.
3. **Guest Faculty** at 21<sup>st</sup> Rajasthan Ophthalmic Society meet, Mt Abu. Perspectives in the management of Pediatric Uveitis. 2003.
4. Can Bruckner Test Be Used As A Rapid Screening Test In Detecting The Amblyogenic Factors In India? **BEST PAPER** at Maharashtra Ophthalmic Society meet, 2003, Jalna
5. **Guest faculty** at Bombay Ophthalmic associations meeting. Talk on Principles of horizontal squint surgery, Dec, 2003 at Mumbai, India
6. Can Bruckner Test Be Used As A Rapid Screening Test In Detecting The Amblyogenic Factors In India? AIOS, 2004, Varanasi, India

7. Ocular Torsion Measurement Using Slitlamp Biomicroscope. AIOS, 2004, Varanasi, India
8. **Guest faculty** at CME on Pediatric Ophthalmology and Strabismus at Aurangabad under the aegis of Maharashtra Ophthalmic Society. Talk on Intermittent Exotropia, July, 2004.
9. A Novel Technique of Assessing Distance Stereopsis Using TNO Test and Inverted Telescope System. Eyeadvances 2004 August, 2004, Grand Hyatt, Mumbai, India
10. Optical Coherence Tomography (OCT) of the Macula in children undergoing primary anterior vitrectomy (PAV) with cataract surgery for congenital cataract. Eyeadvances 2004 August, 2004, Grand Hyatt, Mumbai, India
11. A Novel Technique of Assessing Distance Stereopsis Using TNO Test and Inverted Telescope System. Biennial Conference of Strabismological Society of India, 2004, Poona.
12. Clinical Characteristics of Burian-Franceschetti Syndrome. Biennial Conference of Strabismological Society of India, 2004, Poona.
13. Ocular Torsion Measurement Using Slitlamp Biomicroscope. Biennial Conference of Strabismological Society of India, 2004, Poona.
14. Can Bruckner Test be Used for the screening of significant Refractive errors in Children? Conference of the All India Ophthalmological Society, Bhuvneshwar, India (Jan, 2005).
15. A Novel Technique of Assessing Distance Stereopsis Using TNO Test and Inverted Telescope System. **Dr. Prem Prakash Best Paper Award** at Conference of the All India Ophthalmological Society, Bhuvneshwar, India (Jan, 2005).
16. Is cycloplegic refraction necessary in children with mild to moderate compound myopic astigmatism? 1<sup>st</sup> International conference of Pediatric Ophthalmology and Strabismus by ORBIS international, H V Desai Hospital, Poona.

17. Can Bruckner test be used as an ultra low cost screening test for the rapid screening of refractive errors in children? Silver Jubilee Conference of Maharashtra Ophthalmic Society and Bombay Ophthalmic Association, Grand Hyatt, Mumbai, 4<sup>th</sup>-6<sup>th</sup> Nov, 2005.
18. Invited faculty: Probing in Congenital Nasolacrimal Duct Obstruction. Silver Jubilee Conference of Maharashtra Ophthalmic Society and Bombay Ophthalmic Association, Grand Hyatt, Mumbai, 4<sup>th</sup>-6<sup>th</sup> Nov, 2005.
19. Invited faculty to speak on the Management of Superior Oblique Paralysis. Silver Jubilee Conference of Maharashtra Ophthalmic Society and Bombay Ophthalmic Association, Grand Hyatt, Mumbai, 4<sup>th</sup>-6<sup>th</sup> Nov, 2005.
20. **Chief instructor** for the Instruction course: Road to Orthophoria Silver Jubilee Conference of Maharashtra Ophthalmic Society and Bombay Ophthalmic Association, Grand Hyatt, Mumbai, 4<sup>th</sup>-6<sup>th</sup> Nov, 2005.
21. Co-instructor for the Instruction Course: Research Methodology. Instructed the participants on Biostatistics. Silver Jubilee Conference of Maharashtra Ophthalmic Society and Bombay Ophthalmic Association, Grand Hyatt, Mumbai, 4<sup>th</sup>-6<sup>th</sup> Nov, 2005.
22. Ophthalmology for general practitioners. Jan 2006, presented at Wada, Thane.
23. Faculty: presented 'Remediation of ocular diseases of Prematurity'. CME on Retinopathy of Prematurity 26<sup>th</sup> February, 2006 at Aditya Jyot Eye Hospital.
24. Can Brückner test be used to detect significant refractive errors in children? Presented at APAO 2006, Suntec International Convention Center, Singapore 13<sup>th</sup> Jun, 2006.
25. Can we use TNO test with inverted telescope for the measurement of distance stereoacuity? Presented at APAO 2006, Suntec International Convention Center, Singapore 13<sup>th</sup> Jun, 2006.

26. Conducted a CME on Pediatric Ophthalmology and Strabismus. 3<sup>rd</sup> September 2006 at Valsad, Gujarat.
27. Low Vision Aids in Children. *Panorbit*: Conference of Bombay Ophthalmic Association, September, 9<sup>th</sup> 2006.
28. Acute Esotropias. *Panorbit*: Conference of Bombay Ophthalmic Association, September, 2006.
29. Common Pediatric Ophthalmic Disorders. Shanmukhanand Hall, Sion. 17<sup>th</sup> October, 2006.
30. Does adjustable suture technique yield better results compared to conventional suturing technique in management of Pediatric patients with strabismus? 8<sup>th</sup> October; *Eye Advance*, 2006. Grand Hyatt, Mumbai, India.
31. Clinical characteristics of Non-accommodative Esotropia. 8<sup>th</sup> October; *Eye Advance*, 2006. Grand Hyatt, Mumbai, India.
32. Slowing the progression of myopia, emmetropization and vision stimulation in Children. Co-instructor: Pediatric Refractive Challenges. MOSCON 2006, Kolhapur; October 13, 2006
33. Chief Instructor of Instruction Course on Amblyopia, MOSCON 2006, Kolhapur; October 13, 2006
34. Paediatric low vision rehabilitation. MOSCON 2006, Kolhapur; October 13, 2006
35. Can Bruckner test be used as a rapid screening test to detect children with significant refractive error? **Best Research Paper Award**. MOSCON 2006, Kolhapur; October 14, 2006
36. A Novel technique of measuring distance stereoacuity using TNO Chart and inverted telescope. MOSCON 2006, Kolhapur; October 14, 2006
37. Diagnostic approach and management of Nystagmus and moderator of Symposium on Strabismus. MOSCON 2006, Kolhapur; October 15, 2006

38. Are there biometric differences among hypermetropes with and without accommodative esotropia? MOSCON 2006, Kolhapur; October 15, 2006
39. Recent advances in the management of Amblyopia. CME on Pediatric Ophthalmology and Strabismus, Jalgaon, 21<sup>st</sup> Jan, 2007
40. Evaluation of a case of Strabismus. CME on Pediatric Ophthalmology and Strabismus, Jalgaon, 21<sup>st</sup> Jan, 2007
41. Evaluation and management of Abnormal Head Posture. CME on Pediatric Ophthalmology and Strabismus, Jalgaon, 21<sup>st</sup> Jan, 2007
42. Evaluation and management of Nystagmus. CME on Pediatric Ophthalmology and Strabismus, Jalgaon, 21<sup>st</sup> Jan, 2007
43. **Chief Instructor**, Instruction Course on Current Trends in the Management of Amblyopia., at AIOC, Feb 2007, Hyderabad
44. Paper Presentation: Is Cycloplegic Refraction Necessary for Myopic Children where subjective refraction is possible? at AIOC, Feb 2007, Hyderabad
45. Paper Presentation: Are there a biometric differences between a Accommodative Esotopia with Hyperopia and Simple Hyperopia? at AIOC, Feb 2007, Hyderabad
46. Prescribing guidelines for Refractive Errors and Amblyopia in children. CME on Pediatric Ophthalmology and Strabismus. Karnatak Ophthalmic Society and Mysore Ophthalmic Society, Mysore. July 22<sup>nd</sup>, 2007.
47. Probings and failed probings for CNLDO. CME on Pediatric Ophthalmology and Strabismus. Karnatak Ophthalmic Society and Mysore Ophthalmic Society, Mysore. July 22<sup>nd</sup>, 2007.
48. Recessions and Resections. Conference of the Bombay Ophthalmic Association, ITC Maratha Sheraton, 28<sup>th</sup> September, 2007 Mumbai, India.

49. Convener, Free Paper Session, Conference of the Bombay Ophthalmic Association, ITC Maratha Sheraton, 28<sup>th</sup> September, 2007 Mumbai, India.
50. I – Eye Care for Children. Thane Association of Pediatricians, Branch of Indian Academy of Pediatricians 10<sup>th</sup> October, 2007.
51. A 3D Power Point Presentation comparing Adjustable suture technique with non adjustable suture technique in comitant, horizontal strabismus. MOSCON 27, Solapur, 26<sup>th</sup> October, 2007 to 29<sup>th</sup> October, 2007.
52. Bruckner test: A rapid low cost test to detect low vision in children. MOSCON 27, Solapur,
53. Bruckner test: A rapid low cost test to detect low vision in children. Presented by Dr. Maulik Zaveri at New Orleans, American Academy of Ophthalmology meeting, USA.
54. 26<sup>th</sup> October, 2007 to 29<sup>th</sup> October, 2007. **Winner of the YKC Pandit Best Research Paper Award for the Year 2007.**
55. Pediatric Ophthalmology for Primary Care Physicians, Srimad Rajchandra Hospital, Dharampur 23<sup>rd</sup> Nov, 2007.
56. Pediatric Ophthalmology for Parents, Shahanai Hall, Thane. 24<sup>th</sup> Nov, 2007.
57. A 3D Power Point Presentation comparing Adjustable suture technique with non adjustable suture technique in comitant, horizontal strabismus. 2<sup>nd</sup> Dec, 2007. LVPEI, Hyderabad.
58. Predicting the ocular deviation by measuring ocular deviation under general anesthesia. 9<sup>th</sup> Dec, 2007. Synergy 07, Silver Jubilee Conference of the Strabismological Society of India, Hotel Le Meridian, Chennai, India.
59. Bruckner test: A rapid low cost test to detect low vision in children. 66<sup>th</sup> Annual conference of the AIOS, Bangalore, Jan, 2008.

60. A 3D Power Point Presentation comparing Adjustable suture technique with non adjustable suture technique in comitant, horizontal strabismus. 66<sup>th</sup> Annual conference of the AIOS, Bangalore, Jan, 2008.
61. Pediatric Ophthalmology for Children, Parents and Teachers. The Little Company School. Bandra. Feb. 2008
62. Pediatric Ophthalmology for Children, Parents and Teachers. Sri Ma Vidyalaya. Thane. Feb 2008.
63. Pediatric Ophthalmology – state of the art. 1<sup>st</sup> May, 2008. Coimbatore Ophthalmic Association, Coimbatore.
64. ICON. Panel Discussion on Strabismus. July, 2008. Laxmi Eye Institute, Panvel.
- 65.** Measuring Ocular Deviation Under General Anesthesia for Predicting Post-Operative Alignment after Squint Surgery. Eyeadvance 2008. Conference of the International Association on Advances in Ophthalmology (IAAO), World Trade Center, Mumbai, August, 2008.
66. Comparison of Lea Gratings (LG) with Cardiff Acuity Cards (CAC) for vision testing of preverbal children. Eyeadvance 2008. Conference of the International Association on Advances in Ophthalmology (IAAO), World Trade Center, Mumbai, August, 2008.
67. Slowing the Myopia Progression: Evidence Based Approach. Annual Conference of the Bombay Ophthalmic Association, September, 2008. Grand Hyatt, Mumbai.
68. Future of Amblyopia therapy and the ongoing research. 17<sup>th</sup> Oct to 19<sup>th</sup> Oct, 2008, Fore Sight 2008; Annual Conference of the Maharashtra Ophthalmic Society, Taj Residency, Aurangabad.
69. Pediatric Vision Testing and Refraction. 17<sup>th</sup> Oct to 19<sup>th</sup> Oct, 2008, Fore Sight 2008; Annual Conference of the Maharashtra Ophthalmic Society, Taj Residency, Aurangabad.

70. Spectacle Prescribing Guidelines in children. 17<sup>th</sup> Oct to 19<sup>th</sup> Oct, 2008, Fore Sight 2008; Annual Conference of the Maharashtra Ophthalmic Society, Taj Residency, Aurangabad.
71. Comparison of Psychosocial and emotional consequences of childhood strabismus in families from Rural India and Urban India.
72. Accuracy and Reliability of Binocular Fixation Preference Testing (CSM grading) in the diagnosis of preverbal children with strabismic amblyopia. 17<sup>th</sup> Oct to 19<sup>th</sup> Oct, 2008, Fore Sight 2008; Annual Conference of the Maharashtra Ophthalmic Society, Taj Residency, Aurangabad.
73. Predicting the postoperative deviation based on the deviation measured under general anesthesia during the surgery. 17<sup>th</sup> Oct to 19<sup>th</sup> Oct, 2008, Fore Sight 2008; Annual Conference of the Maharashtra Ophthalmic Society, Taj Residency, Aurangabad.
74. Comparison of Cardiff Acuity Cards and Lea Gratings for the assessment of visual acuity in children aged 6 months to 3 years. 17<sup>th</sup> Oct to 19<sup>th</sup> Oct, 2008, Fore Sight 2008; Annual Conference of the Maharashtra Ophthalmic Society, Taj Residency, Aurangabad.
75. Accuracy and Reliability of Binocular Fixation Preference Testing (CSM grading) in the diagnosis of preverbal children with strabismic amblyopia. 18<sup>th</sup> Oct to 21<sup>ST</sup> Oct, 2008, Strabismic Panorama, Maulana Azad Medical College, Delhi.
76. Squint in Children. IAP, Thane. KAMFTH. Dec, 2008.
77. Low Vision Rehabilitation in Children. 28<sup>th</sup> Dec, 2008, Coimbatore, India.
- 78. Is cycloplegic refraction necessary in children having mild to moderate compound myopic . astigmatism? ASIAARVO 2009, January, Hyderabad, India**
- 79. Chief Instructor** *Fine art of Prescribing “glasses” in children.* AIOC, 2009, Feb 4<sup>th</sup> to 8<sup>th</sup>. Jaipur. India.

- 80.** Reliability of **CSM grading** to assess inter eye acuity difference in strabismic amblyopia. AIOC, 2009, Feb 4<sup>th</sup> to 8<sup>th</sup>. Jaipur. India.
- 81.** Predicting the postoperative deviation based on the deviation measured under general anesthesia during the surgery AIOC, 2009, Feb 4<sup>th</sup> to 8<sup>th</sup>. Jaipur. India.
- 82.** Approach to the diagnosis and management of eye diseases in children below 1 year age. International Symposium on Ophthalmology, National Institute of Ophthalmology, 1<sup>st</sup> August, 2009, Pune.
- 83.** Eye Care for Children – information for families and teachers. 12<sup>th</sup> September, 2009. The Little Company school at Godrej Hill side colony, Vikhroli, Mumbai.
- 84.** The cover tests. Focus 2009. 29<sup>th</sup> Joint meeting of the Maharashtra Ophthalmic Society and Bombay Ophthalmic Association. 26<sup>th</sup> Sept, 2009 at Mumbai.
- 85.** Eye examination in a Pediatrician's office. 'Rainbow'.the first interactive conference of the TAP, Thane 20<sup>th</sup> Dec, 2009
- 86.** Comparison of Lea Gratings(LG) with Cardiff Acuity Cards for vision testing of preverbal children. AIOC, 2010, Kolkata.
- 87.** Characteristic abnormalities in multifocal (mf)ERG in amblyopia and the effect of oral Levodopa. AIOC, 2010, Kolkata.
- 88.** Predicting the therapeutic effect of levodopa (Ldopa) as an adjunct to patching in amblyopia. AIOC, 2010, Kolkata.
- 89.** Anomalies of accommodation, fusion and refraction in patients with low Asthenopia Symptom Score. AIOC, 2010, Kolkata.
- 90.** Accommodative Esotropias. CME on Pediatric Ophthalmology under Aegis of MOS, 1<sup>st</sup> Mar, 2010. Shri Ganpati Netralaya, Jalna.

- 91.** Vision testing in children. CME on Pediatric Ophthalmology under Aegis of MOS, 1<sup>st</sup> Mar, 2010. Shri Ganpati Netralaya, Jalna.
- 92.** Childhood Esotropias. CME on Pediatric Ophthalmology under Aegis of NROA, 7<sup>th</sup> Mar, 2010, Hotel Shikara, Sanpada.
- 93.** Vision assessment in Children. 9<sup>th</sup> May, 2010. H V Desai Eye Hospital. Eye Advance 2010, Pune.
- 94.** Measurement of strabismic angle. Distance Education Lecture in Squint. Maharashtra Ophthalmic Society. 2010.
- 95.** Pediatric Ophthalmology for Optometrists. KEHRC. Dhenkennal, Orissa, 17<sup>th</sup> to 19<sup>th</sup> Jun, 2010.
- 96.** Infantile Esotropia. Annual Meeting of the BOA. Mumbai. 14<sup>th</sup> August, 2010.
- 97.** LARV: Limbal Approach Retropseudophakic Vitrectorrhesis and Vitrectomy for Pediatric Cataract. Annual Meeting of the BOA. Mumbai. 14<sup>th</sup> August, 2010.
- 98.** DDDO: A novel technique to assess accommodation in children. MOSCON, 30<sup>th</sup> Oct, 2010, Sangli.
- 99.** Endoscopic probing with graduated and cannulated probes. MOSCON, 30<sup>th</sup> Oct, 2010, Sangli.
- 100.** LARV: MOSCON, 30<sup>th</sup> Oct, 2010, Sangli.
- 101.** Feedback of the relatives watching squint surgery of their wards in the operation room. MOSCON, 30<sup>th</sup> Oct, 2010, Sangli.
- 102.** Atropine for prediction of accommodative component of esotropia with hyperopia. MOSCON, 30<sup>th</sup> Oct, 2010, Sangli.
- 103.** Atropine for prediction of accommodative component of esotropia with hyperopia. AIOC, 3<sup>rd</sup> Feb, 2011, Ahmedabad.

**104.**Endoscopic probing with graduated and cannulated probes. AIOC, 4<sup>th</sup> Feb, 2011, Ahmedabad.

**105.**DDDO a novel technique to assess accommodation in children. 2<sup>ns</sup> April, 2011. 37<sup>th</sup> Annual meeting of the AAPOS, San Diego, USA

**106.**DDDO a novel technique to assess accommodation in children. 22<sup>nd</sup> April, 2011 Smith Kettlewell Eye Research Institute, San Francisco, USA

**107.**Pediatric Ophthalmology in India, 22<sup>nd</sup> April, 2011, Smith Kettlewell Eye Research Institute, San Francisco, USA

**108.**Paralytic Squint, 25<sup>th</sup> June, 2011, Bombay Hospital, Mumbai, India

### **Winner of the National Ophthalmic Quiz at AIOC, Feb 2007, Hyderabad**

#### **Poster and Video Presentation:**

1. Godre Anshu, **Kothari Mihir**, Kothari Kulin. Instructional Video: Preparation and uses of Autologous Serum tears. Conference of Bombay Ophthalmic Association and Maharashtra Ophthalmic Society, Mumbai, 2005.
2. Kar Dharmesh, Kothari Mihir, Natarajan S. Scientific Poster: Adjustable sutures in strabismus management. Conference of Bombay Ophthalmic Association and Maharashtra Ophthalmic Society, Mumbai, 2005.
3. Jaydeep Walinjar, Dr. Mihir Kothari. Predicting Postoperative Alignment by measuring Ocular Deviation Intraoperatively Under General Anesthesia. 2<sup>nd</sup> Dec, 2007. LVPEI, Hyderabad.
4. Jaydeep Walinjar, Dr. Mihir Kothari. Measuring Ocular Deviation Under General Anesthesia for Predicting Post-Operative Alignment after Squint Surgery. Eyeadvance 2008. Conference of the International Association on Advances in Ophthalmology (IAAO), World Trade Center, Mumbai, August, 2008.

5. Kruti Modi, Dr. Mihir Kothari. Supranuclear Paralysis of the Near Vision Complex. Eyeadvance 2008. Conference of the International Association on Advances in Ophthalmology (IAAO), World Trade Center, Mumbai, August, 2008.
6. Paresis of near vision complex in a child. 17<sup>th</sup> Oct to 19<sup>th</sup> Oct, 2008, Fore Sight 2008; Annual Conference of the Maharashtra Ophthalmic Society, Taj Residency, Aurangabad.
7. Evaluation of Binocular Fixation Preference (BFP) testing by CSM (central, Steady, maintained) fixation grading for predicting inter-eye visual acuity Difference in order to diagnose and treat amblyopia in patients with Strabismus. ASIAARVO 2009, January, Hyderabad, India
8. Ultrarapid school vision screening using the Brückner test **ASIAARVO** 2009, January, Hyderabad, India (**Best Poster Award**)
9. Psychosocial and emotional consequences of childhood strabismus in Rural and Urban India. AIOC, 2009, Feb 4<sup>th</sup> to 8<sup>th</sup>. Jaipur. India.
10. Diabetic Retinopathy in Urban Slum in Western India - A Pilot Study, American Academy of Ophthalmology meeting, San Francisco, CA, USA.
11. Accuracy and interobserver variation of Brückner test for detecting ametropia in children. AIOC, 2010, Kolkota.
12. Intracystic 70% isopropyl alcohol injection for post strabismus surgery conjunctival inclusion cysts. AIOC, 2010, Kolkota.
13. Negative Psychosocial Impact of Strabismus on Human Personality Traits. AIOC, 2010, Kolkota.
14. Recurrent conjunctival papilloma: an unusual cause of epiphora treated with topical Interferon. AIOC, 2010, Kolkota.

15. DDDO: Dynamic Distance Direct Ophthalmoscopy – A Novel Technique to Assess Accommodation in young Children. Annual Meeting of the BOA. Mumbai. 14<sup>th</sup> August, 2010.
16. DDDO: A novel technique to assess accommodation in children. AIOC, 3<sup>rd</sup>-6<sup>th</sup> Feb, 2011, Ahmedabad.
17. Evaluation of TNO test, Titmus test and Lang test for assessment of stereoacuity. AIOC, 3<sup>rd</sup>-6<sup>th</sup> Feb, 2011, Ahmedabad.
18. Absence of retinal vasculature – did it disappear or never appeared? AIOC, 3<sup>rd</sup>-6<sup>th</sup> Feb, 2011, Ahmedabad.

### **Continuing Medical Education in Pediatric Ophthalmology & Strabismus:**

1. Orbis DC10 at Chennai. 2002: Faculty: Dr. EC Sener (Turkey), Dr. Pradeep Sharma (Delhi), Dr. Jay Wisnicki (New York)
2. Orbis Illuminating a Small World. HBP at Nagpur, June, 2003 Faculty: Dr. Donny Su
3. Orbis HBP at Madurai 2002 Faculty: Dr. Thomas D France (Wisconsin, Madison), Ms. Leslie France
4. Current Concepts in Ophthalmology. December, 2004, Johns Hopkins University School of Medicine, Baltimore, Maryland, USA
5. 22<sup>nd</sup> Annual meeting of the Pediatric Ophthalmologists of North America. December, 2004. Wills Eye Hospital, Philadelphia, USA
6. 1<sup>st</sup> International Conference of Pediatric Ophthalmology and Strabismus, ORBIS international- H. V. Desai Hospital, Pune, September 2005
7. Skill Enhancement in Pediatric Ophthalmology and Strabismus. LVPEI, Hyderabad 27-03-06 to 8-04-06
8. Low Vision Awareness Programme, LVPEI, Hyderabad 29<sup>th</sup> March to 1<sup>st</sup> April.

9. Pediatric Glaucoma, David Watson, ORBIS DC 10<sup>th</sup> , April, 2007. Mumbai, India
10. Cutting Edge 2007. 13<sup>th</sup> Dec, 2007 to 16<sup>th</sup> Dec 2007. A joint conference of Oculoplastiy Association of India, American Society of Plastic and Reconstructive Surgery, Asia Pacific Society of Plastic Surgery at LVPEI, Hyderabad, India
11. Observership in Strabismology 4<sup>th</sup> March, 2008 to 9<sup>th</sup> March, 2008 with Dr. Pradeep Sharma at Rajendra Prasad Center for Ophthalmic Sciences, AIIMS, /new Delhi, India.
12. Visual function and its management in patients with mild traumatic brain injury. March 4<sup>th</sup> and 5<sup>th</sup>, 2011 at Smith Kettelwell Eye Research Institute, San Franscisco, USA.

### **Organizing Scientific Events:**

1. Symposium on Pediatric Ophthalmology for the Pediatricians, June, 2003, Mayfair rooms, Mumbai, India
2. Eyescope 2004: International Conference on Pediatric Ophthalmology and Strabismus, hotel Taj President, Mumbai,India
3. Workshop 2004: International workshop on the Research Methodology in collaboration with the Singapore National Eye Center, National University of Singapore and Singapore Eye Research Institute.
4. CME on ROP for ORBIS in conjunction with Aditya Jyot Foundation for Twinkling Little Eyes. 26<sup>th</sup> Feb, 2006.
5. CME on Pediatric Ophthalmology and Strabismus. Valsad, September 3rd, 2006,India
6. CME on Pediatric Ophthalmology and Strabismus and Live Surgery Demonstration, Valsad, 3<sup>rd</sup> June, 2007, India

7. CME on Pediatric Ophthalmology and Strabismus and Live Surgery Demonstration, ORBIS faculty for HBP, Dhenkanal, Orissa, 29<sup>th</sup> to 31<sup>st</sup> Aug, 2007, India
8. Workshop on Pediatric Ophthalmology and Strabismus at Kalinga Eye Hospital and Research Center, Dhenkanal, Bhubaneswar, Orissa, 20<sup>th</sup> Dec to 25<sup>th</sup> Dec, 2007, India.
9. Workshop on Pediatric Ophthalmology and Strabismus at Siloam Thomas Eye Hospital, Coimbatore, 1<sup>st</sup> May to 3<sup>rd</sup> May, 2008.
10. Hospital Based Programme on Pediatric Ophthalmology and Strabismus at Sri Sadguru Netra Chikitsalaya, Chitrakoot, MP, India, 11<sup>th</sup> July to 14<sup>th</sup> July, 2008.
11. Hospital Based Programme on Pediatric Ophthalmology and Strabismus at Sri Sadguru Netra Chikitsalaya, Chitrakoot, MP, India, 26<sup>th</sup> September to 30<sup>th</sup> September, 2008.
12. Workshop on Pediatric Ophthalmology and Strabismus at Siloam Thomas Eye Hospital, Coimbatore, 27<sup>th</sup> and 28<sup>th</sup> Dec, 2008.
13. Workshop on Pediatric Ophthalmology and Strabismus at Shri Bhairav Eye Hospital, Bisalpur, 23<sup>rd</sup> and 24<sup>th</sup> Nov, 2009.
14. ORBIS faculty for the HBP on Pediatric Ophthalmology and Strabismus, Dhenkanal, Orissa, 17<sup>th</sup> to 19<sup>th</sup> Jun, 2010, India.
15. Hospital Based Programme on Pediatric Ophthalmology and Strabismus at Sri Sadguru Netra Chikitsalaya, Chitrakoot, MP, India, 4<sup>th</sup> August to 7<sup>th</sup> August, 2010.
16. Hospital based program on Pediatric Ophthalmology and Strabismus and Live Surgery Demonstration, ORBIS faculty for HBP, Dhenkanal, Orissa, 2<sup>nd</sup> to 5<sup>th</sup> Dec, 2010, India
17. Workshop on Pediatric Ophthalmology and Strabismus and Live Surgery demonstration. 1<sup>st</sup> and 2<sup>nd</sup> Feb, 2011 at Jyoti Eye Hospital, Visnagar, Gujarat.

### **Clinical Skills:**

It is difficult to pen down complete details of the clinical skills, a few key skills are mentioned below.

1. Diagnosis and management of wide variety of pediatric eye diseases and ocular motility diseases in children and adults.
2. Very experienced and expeditious strabismus surgeon especially in the management of complex strabismus, reops, post injury strabismus, nystagmus and transpositions using fornix incisions and adjustable suture technique in every case.
3. Well experienced in performing surgeries for infantile cataracts, infantile glaucoma (trabeculotomies, trabeculotomy goniotomies, laser TSCPC etc), ptosis surgery (frontalis sling, lps resections and fasanella servat procedure), nasolacrimal duct obstruction (endoscopic, probing, silastic intubations and external DCR), management of ectopia lentis (foldable scleral fixated IOLs), enucleations and implants, LASERs for ROP, Coloboma etc..
4. Can manage to see a large number of patients in a day in the hospital based set up as well as in a community based set up.
5. Well versed with hospital based surgical camps where high volume, high quality surgical care can be delivered in a cost effective manner to large population.
6. Used to seeing and administering the pediatric low vision care in the special schools as well as in the hospital based set up.

#### **Association Membership:**

1. **AIOS:** All India Ophthalmological Society

2. **MOS:** Mahaashtra Ophthalmological Society
3. **BOA:** Bombay Ophthalmic Association
4. **AMC:** Association of Medical Consultants
5. **SSI:** Strabismological Society of India
6. **IMA:** Indian Medical Association
7. **OFISA:** Ophthalmic forum of Indian Society of Anesthetists

### **Faculty:**

- ✓ Maharashtra Ophthalmic Society, Knowledge Helpline
- ✓ PediatricOnCall.Com

### **Referee:**

1. Indian Journal of Ophthalmology (IJO)
2. Journal of American Academy of Pediatric Ophthalmology and Strabismus (J AAPOS)

### **Personal Details:**

Date of Birth : 6th December, 1974

Address :

6/132, ASHA KIRAN

GARODIA NAGAR

GHATKOPAR (E)

Mumbai 400007

91-22-25067173

Maharashtra, India

**Current Designation:**

**Director,**

Jyotirmay Eye Clinic [www.jyotirmay.com](http://www.jyotirmay.com)

(for Children upto 16 years and Squint)

Thane, Mumbai

**Director,**

Pediatric Low Vision Center in memory of Late Shri Dilip Khodidas Kothari, Thane, Mumbai

**Consultant**

Pediatric Ophthalmology & Strabismus

1. Aditya Jyot Eye Hospital Pvt. Ltd., Wadala, Mumbai
2. Mahatme Eye Hospital and Eye Bank, Nagpur
3. Mehta Eye Clinic, Ghatkopar, Mumbai
4. Dr. Shah's Laser Eye Institute, Kalyan
5. Sri Bhairav Eye Care Center (Free Eye Care), Bhiwandi
6. Dr. Devang Shah's multispecialty Eye Care, Ghatkopar, Mumbai
7. Jupiter Hospital, Thane

**Honorary Pediatric Ophthalmologist :**

Thane Civil Hospital

**Managing Trustee : Jyotirmay Charitable Trust**

Phone :

Residence: 022-25067173

Mobile: 9324037173

E-mail [drnihirkothari@gmail.com](mailto:drnihirkothari@gmail.com), [drnihirkothari@jyotirmay.com](mailto:drnihirkothari@jyotirmay.com)

## References:

### **Prof. Dr. Ravi Thomas**

41 Annerley Road, SOUTH BRISBANE,

4101 Queensland Australia.

Ph: +61 7 3010 5751 Mobile: 0407 489 660

[Ravi.thomas@qei.org.au](mailto:Ravi.thomas@qei.org.au)

### **Dr. P. Vijayalakshmi**

Chief Medical Officer,

Department of Pediatric Ophthalmology and Strabismus

Aravind Eye Institute,

1 Anna Nagar,

Madurai 625020

Tamil Nadu

India

[p.vijayalakshmi@aravind.org](mailto:p.vijayalakshmi@aravind.org)

### **Dr. Robert Petersen**

Children's Hospital Boston

300 Longwood Avenue

Boston, MA 02115

617-355-6000

[Robert.Petersen@childrens.harvard.edu](mailto:Robert.Petersen@childrens.harvard.edu)

**Dr. David L Guyton**

Director, Zanvyl Krieger Center of Pediatric Ophthalmology

The Wilmer Ophthalmological Institute

The Johns Hopkins University School of Medicine

The Johns Hopkins Hospital

Baltimore, Maryland 21287-9028

PHONE: (410) 955-8314

FAX: (410) 955-0809

[dguyton@jhmi.edu](mailto:dguyton@jhmi.edu)

**Padmashree Dr Vikas Mahatme**

16, Central Excise Colony, Chhatrapati Square,

Ring Road – Wardha Road, Nagpur – 400 015.

Tel. No. :- 0712 – 2234345 / 2222556

[vikasmahatme@rediffmail.com](mailto:vikasmahatme@rediffmail.com)

**Dr William V Good**

Smith Kettlewell Eye Research Institute,

2318 Fillmore St,

San Francisco, CA: 94115

Ph: 415 534 2000

[good@ski.org](mailto:good@ski.org)

**Dr Alan B Scott**

Smith Kettlewell Eye Research Institute,

2318 Fillmore St,

San Francisco, CA: 94115

Ph: 415 534 2000

[scott@ski.org](mailto:scott@ski.org)

**Dr Pradeep Sharma**

R. P. Center for Ophthalmic Sciences,

All India Institute of Medical Sciences,

Ansari Nagar,

New Delhi,

India

[drpsharma57@yahoo.com](mailto:drpsharma57@yahoo.com)

**Dr Kuldeep Srivastava,**

*Indira Gandhi Eye Hospital and Research Centre*

Lucknow, India