

CURRICULUM VITAE

Name S. Meenakshi (Meenakshi Swaminathan)

Medical Qualifications

M.B.B.S

Date granted March 25, 1988
University University of Madras, Madras
Medical college Madras Medical College
Period of study Jul 1981 - Jun 1986

M.S. Ophthalmology

Date granted July 1, 1992
University Postgraduate Institute of Medical Education and Research (PGIMER)
Chandigarh
Period of Study Jul 1989 - Jun 1992

American Board of Ophthalmology

Passed in June 2002

Clinical appointments

Consultant Ophthalmologist

Period 2022-present
Hospital Capstone Clinic, Chennai

Senior Consultant in Pediatric Ophthalmology

Period 2009-2022
Hospital Sankara Nethralaya, Chennai

Consultant in Pediatric Ophthalmology

Period 2006-2009
Hospital Sankara Nethralaya, Chennai

Pediatric Ophthalmology Fellowship Training Coordinator

Period August 2003 – Sep 2009
Hospital Sankara Nethralaya, Chennai

Associate Consultant in Pediatric Ophthalmology

Period Oct 2001 – 2006
Hospital Sankara Nethralaya, Chennai

Fellowship in Pediatric Ophthalmology and Strabismus

Period Jul 2000 - Jun 2001
Hospital Dept of Ophthalmology
University of Iowa Hospitals and Clinics
Iowa City, Iowa, USA

Ophthalmology Residency

Period Jul 1997 - Jun 2000
Dept of Ophthalmology
University of Louisville
Louisville, Kentucky, USA

Transitional year Residency

Period Jul 1995 - Oct 1996
Hospital Kettering Medical Center
Kettering, Ohio, USA

Corneal Research Fellowship

Period Aug 1994 - May 1995
Hospital Dept of Ophthalmology
University of Texas Health Science Center at Houston
Houston, Texas, USA

Ophthalmology Residency

Period Aug 1987 - Jun 1992
Hospital Dept of Ophthalmology, PGIMER
Chandigarh

Special training in Ophthalmology

Period Aug 1987 - Jul 1998
Hospital Dept of Ophthalmology
Stanley Medical College and Hospital
Madras

Internship

Period Jul 1986 - Jun 1987
Hospital Government General Hospital, Madras

Appointments in Education

Chairperson, Mentoring Committee, OFEC, September 2022

Member, AIOS Collegium Board, July 2021 (reappointed in August 2022)

Chairperson, Pediatric Ophthalmology and Strabismus subcommittee AIOS FAICO, July 2021

Member, Advisory committee, OFEC April 2021

Member, Editorial Board of OFEC Newsletter, April 2021

Founder and Coordinator, Snippets, Podcast for eye care professionals. May 2000

Member, Presidential committee for AIOS-ICO Coordination committee, May 2000

Member, AIOS Presidential Committee on Education, May 2000

Member, AIOS ICO coordination committee, May 2019

Site visitor for Accreditation (inspected LVPEI) Dec, 2018

Member, Teaching the teachers courses and resources committee, International council of Ophthalmology, October 2016

Lead Instructor for Zonal programs in Teachers in Ophthalmology Program by ARC-ICO: Bhubaneswar; Jan 2016

Member, Ethics Committee, World Society of Pediatric Ophthalmology and Strabismus: appointed June 2016

Faculty

ICO Program Directors Course in Kathmandu , Tilganga Eye Institute, June 2016

Member, Pediatric Ophthalmology curriculum committee, AIOS Collegium; appointed Nov-Dec 2015

Chairperson, Steering committee of ICO-AIOS Teachers in Ophthalmology Program 2014-2016

Lead Instructor for Zonal programs in Teachers in Ophthalmology Program August-Sept 2015, Chennai, Patna, Bangalore, Kolkata

Content expert and advisor

Worked with ICO and ORBIS China to develop curriculum for Pediatric Ophthalmology fellowship programs in Shanxi Province, Sept 2014

Consultant

Worked with Perkins International to train teachers to screen for visual problems in disabled children, Danang, Vietnam, Feb-Mar 2014

Faculty

ICO Program Directors workshop in Manila along with PAO, December 2013

Content expert and advisor

ORBIS-ICO Pediatric Ophthalmology Fellowship Development Project in Vietnam May-June 2014, May 2015, December 2016

Committee member

Subspecialty education committee 2013 to present, ICO

Host coordinator for Pediatric Ophthalmology on behalf of AIOS

For 2013 AIOC-APAO Conference in Hyderabad

Convenor/Member of Inspection committee for fellowship accreditation

For Tamil Nādu Dr. MGR Medical University

Period 2012 to present

Co-Chair, Pediatric Ophthalmology and Strabismus sub committee

ICO Residency Curriculum 2011

Editor of "Insight" (Scientific Publication of Medical and Vision Research Foundation)

Period May 2005- October 2012

SN-ORBIS POLTC Pediatric Ophthalmology Fellowship Coordinator

Period August 2003-2009

Hospital Sankara Nethralaya

Director-Academics (Residency Program Director)

Period April 2006-May 2020

Hospital Sankara Nethralaya

Member of Editorial Board of Indian Journal of Ophthalmology

Period 2005-2008

Member of Editorial Board of TNOA Journal

Period September 2006-2007

Appraiser of DNB

Period 2012-present

Reviewer for Indian Journal of Ophthalmology

Period 2005-present

Reviewer for TNOA Journal

Period 2012-present

Reviewer for Other Journals: Oman Journal of Ophthalmology, Asia Pacific Journal of Ophthalmology, Saudi Arabian Journal of Ophthalmology

Examiner for Royal College of Surgeons of Edinburgh

Period 2013-present

Awards and Honors

1. Strabismus Key Note by the World Society of Pediatric Ophthalmology and strabismus 2021
2. Dr. R. N. Gandhewar Award in Pediatric Ophthalmology by the Vidharba Ophthalmology Society October 2016
3. Visiting Professor 2015. By LVPEI Bhubanewar. C. S. Bhaskaran Memorial oration
4. Prof. A. K. Khurana Award for the Best Publication in SPOSI conference 2014
5. Dr. S. S. Badrinath Gold Medal of Honor presented at the TNOA conference in Chennai August 2013
6. Excellence Award for contribution to strabismus at the Strabismological Society of India Conference, Rohtak, 2nd December 2012
7. Knight of the Blind. Awarded by the Lions Club Central. 3rd June. 2010
8. Capt. Subramaniam Best video film award for 2006 at the Tamil Nadu Ophthalmic Association Meeting at Pondicherry, India
9. Best paper presentation at the Kentucky Academy of Eye Physicians And Surgeons, Spring 19993.
10. Gold Medal awarded by the Association of Resident Doctors for the Best Graduating Resident 1992 (PGIMER)
11. Certificate of Merit for Ophthalmology (1985) Madras Medical College
12. Distinction in Anatomy (1982, 1983)
13. First certificate of merit for biochemistry (1982) Madras Medical College

Organizational membership

All India Ophthalmological Society
Strabismus and Pediatric Ophthalmology Society of India
Tamil Nadu Ophthalmic Association
Indian Intraocular Implant and Refractive Society
International Strabismological Association
World Society of Pediatric Ophthalmology and Strabismus
Asia Pacific Society of Pediatric Ophthalmology and Strabismus
American Association of Pediatric Ophthalmology and Strabismus

Research Experience, Presentations, and Publications

1. Efficacy of Low-dose atropine to reduce myopia progression among Indian children. Sivaraman V, Gopalakrishnan A, Hussaindeen JR, **Swaminathan M**, Allen PM. Indian J Ophthalmol.2021. May 69:(5) 1358-1359
2. The Sankara Nethralaya Tamil Nadu Essilor Myopia (STEM) study-Defining a threshold for non cycloplegic myopia prevalence in children. Gopalakrishnan A, Hussaindeen JR, Sivaraman

- V, **Swaminathan M**, Wong YL, Armitage JA, Gentle A, Backhouse S. *J Clin Med*. 2021 Mar 15;10(6):1215.
3. Managing the myopia epidemic and digital eye strain post COVID-19 pandemic. What eye care practitioners need to know and implement. Hussaindeen JR, Gopalakrishnan A, Sivaraman V, **Swaminathan M**. *Indian J Ophthalmology*. 2020 Aug;68(8):1710-1712.
 4. Frequency of undetected binocular vision anomalies among trainees. Atiya A, Hussaindeen JR, Kasturirangan S, Ramasubramanian S, Swathi K, **Swaminathan M**. *J Optom*. 2020 Jul-Sep;13(3):185-190.
 5. The International council of Ophthalmology Ophthalmic clinical evaluation exercise. Palis AG, Barrio-Barrio J, Mayorga EP, Mili-Boussen I, Noche CD, **Swaminathan M**, Golnik KC. *Indian J Ophthalmol*. 2021 Jan;69(1):43-47
 6. Goltz syndrome: Primary diagnosis by an ophthalmologist. Rishi E, Sodhi P, **Swaminathan M**, Rishi P. *Indian J Ophthalmology*. 2019 Sep;67(9):1467-1468.
 7. The rare phenomenon of Marcus Gun Jaw winking without ptosis. Report of 14 cases and review of the literature. Alam MS, Nishanth S, Ramasubramanian S, **Swaminathan M**, Mukherjee B. *Indian J Ophthalmology*. 2020 Jun;68(6):1132-1135.
 8. The painless eye: Neurotrophic keratitis in a child suffering from hereditary sensory autonomic neuropathy type IV. Sethi A, Ramasubramanian S, **Swaminathan M**. *Indian J Ophthalmology*. 2020 Oct;68(10):2270-2272.
 9. Atropine for the treatment for childhood myopia in India: Randomized multicenter trial. Saxena R, Dhiman R, Gupta V, Kumar P, Matalia J, Roy L, **Swaminathan M**, Phuljhele S, Velpandian T, Sharma N. *Ophthalmology*. 2021 Feb 2:S0161-6420(21)00079-8.
 10. Visual function assessment, ocular examination, and intervention in children with developmental delay: A systematic approach Part 2. Jayaraman D, Jacob N, **Swaminathan M**. *Indian J Ophthalmology*. 2021 Aug;69(8):2012-2017.
 11. Swaminathan M, Jayaraman D, Jacob N. Visual function assessment, ocular examination, and intervention in children with developmental delay: A systematic approach Part 1. *Indian J Ophthalmology*. 2019.67(2)196-203
 12. Barh A, Swaminathan M, Mukherjee B. Orbital fractures in children. Clinical features and management outcomes. *JAAPOS* 2018. 22(6): 415
 13. Hussaindeen JR, Rakshit A, Singh NK, George R, **Swaminathan M**, Kapur S, Scheiman M, Ramani KK. The minimum test battery to screen for binocular vision anomalies. Report 3 of the BAND study. *Clin Exp Optom*. 2018. 101(2):281
 14. Sudha D, Ganapathy A, Mohan P et al. Clinical and genetic analysis of patients with NDP related retinopathies. *Int Ophthalmol* 2018. 38(3) 1251-1260
 15. Hussaindeen JR, Rakshit A, Singh NK, George R, **Swaminathan M**, Kapur S, Scheiman M, Ramani KK. Prevalence of non-strabismic anomalies of binocular vision. Report 2 of BAND study. *Clin exp optom* 2017.100(6): 642
 16. Hussaindeen JR, Rakshit A, Singh NK, George R, **Swaminathan M**, Kapur S, Scheiman M, Ramani KK. Binocular vision anomalies and normative data. (BAND) in Tamil Nadu. Report 1. *Clin Exp Optom*. 2017. 100(3) 278
 17. Molinari A, Plager D, et al. Accessory extraocular muscle as a cause of restrictive strabismus. *Strabismus*. 2016.24: 178-183
 18. Sundaramurthy S, Swaminathan M, et al. Homozygosity mapping guided next generation sequencing to identify the causative genetic variation in inherited retinal degenerative diseases. *Journal of Human Genetics*. 2016. 61: 951-958
 19. Swaminathan M, Ramasubramanian S, Pilling R, Li J, Golnik K.. ICO-OSCAR for pediatric cataract

- surgical skill assessment J AAPOS. 2016 Aug;20(4):364-5. doi: 10.1016/j.jaapos.2016.02.015. Epub 2016 Jul 5.
20. Hussaindeen JR, Rakshit A, Singh NK, George R, **Swaminathan M**, Kapur S, Scheiman M, Ramani KK. Prevalence of non-strabismic anomalies of binocular vision. Report 2 of BAND study. Clin Exp Optom. 2016 Nov 18. doi: 10.1111/cxo.12496. [Epub ahead of print]
 21. Patil-Chabblani P, Murthy S, Swaminathan M. Ophthalmic profile and systemic features of pediatric facial nerve palsy. J Eye Sci. 2016;1:7
 22. Nambiar S, Ramasubramanian S, Swaminathan M. Brown's syndrome with ocular albinism: Case report of a rare presentation and literature review. Oman J Ophthalmology 2015; 8(2): 117-119
 23. M Swaminathan, Shah SV, Mittal S, Gunasekaran A. Results of bilateral medial rectus recession for comitant esotropia in patients with developmental delay. Strabismus. 2014. May 5(Epub ahead of print)
 24. Srikrupa NN, Meenakshi S, Arokiasamy T, Murali K, Soumitra N. Leber's congenital amaurosis as the retinal degenerative phenotype in thiamine responsive megaloblastic anemia: a case report. Ophthalmic Genet. 2014. 35(2). 119-24
 25. Meenakshi S, Srikanth R. Ophthalmology section. In Case scenarios in Pediatric and Adolescent Practice. Editor. A. Parthasarathy. JP Medical Ltd. 2014
 26. Meenakshi S, Srikanth R, Surendran TS. Ophthalmology. In Partha's Fundamentals of Pediatrics. JP Medical Ltd 2013
 27. Rishi P, Rishi E, Gupta A, Swaminathan M, Chhablani J. Vitreous hemorrhage in children and adolescents in India. JAAPOS. 2013. 17(1):64-9
 28. R. Srikanth, S Meenakshi, Raka Chatterjee, Mukherjee B. Orbital dermoid mimicking a monocular elevation deficiency. Oman J Ophthalmology. 2012. 5(2): 118
 29. R. Srikanth, Meenakshi S, Surendran T.S. In IAP Color Atlas of Pediatrics. A. Parthasarathy Editor. JP Medical Ltd. 2012
 30. Akshay Nair, Meenakshi Swaminathan, Sandeep Mark Tirumalai. Unilateral myelinated nerve fibers associated with ipsilateral myopia and amblyopia in a 13 year old. (accepted for publication in JPOS)
 31. R. Srikanth, S. Meenakshi. Leber Congenital Amaurosis: An Overview. Accepted for publication in DOS Times
 32. Meenakshi S. Cortical visual impairment. A new challenge for the future? Editorial. Oman J Ophthalmology . 2011. 4 (1): 1
 33. R. Srikanth, S. Meenakshi. . Muscle Puzzle. *Insight* 2011. vol XXIX. No.2 :26,28
 34. Mangalgi HG, Meenakshi S. Common Ophthalmic problems in Children. IJPP. 2010. 12(4):378-381.
 35. Patil PA, Meenakshi S, Surendran TS. Refractory reverse amblyopia with atropine penalization. Oman J Ophthalmology 2010. 3(3):148-9
 36. Chekitaan, Karthikeyan B, Meenakshi S. The results of treatment of anisomyopic and anisohypermetropic amblyopia. Int Ophthalmology 2009.29 (4):231-7
 37. Meenakshi S, T. S. Surendran. Incomitant Strabismus. In Diagnostic Procedures in Ophthalmology. 2nd Ed. Jaypee Highlight Medical Publishers. 2009
 38. Bhujbal Pritam, Meenakshi S. History of strabismus surgery. Journal of TNOA.2008. 46 (1): 57-60
 39. Mamatha G, Srilekha S, Meenakshi S, Kumaramanickavel G. Screening of the RPE65 gene in the Asian Indian patients with leber congenital amaurosis. Ophthalmic Genet. 2008;29(2):73-8.
 40. Kaushik Murali, Meenakshi S, Surendran T S. Current options in the management of nystagmus. Journal of TNOA. 2007.45 (2): 37-39
 41. Sherren Raveendran, Meenakshi S, Surendran T S. Cysticercosis of Medial Rectus Muscle masquerading as sixth nerve paralysis. Journal of TNOA.2006. 44 (4): 75-76
 42. Meenakshi S., Deepika TK. High myopia in Pallister mosaic syndrome. JPOS 2006 43 (1): 44-45
 43. Rao SK, Meenakshi S, Srinivasan B, Baluswamy S. Perilimbal bulbar conjunctival pigmentation in vernal conjunctivitis: prospective evaluation of a new clinical sign in an Indian population. Cornea. 2004 May;23(4):356-9

44. Meenakshi S, John G. Dry eyes in Sjogren's syndrome (paper presented in the Kentucky Academy of Eye Physicians and Surgeons, spring 1999)
45. Meenakshi S. Refractive surgery. Mini symposium. University of Louisville Medical School. March 1999
46. Cheng CJ, Meenakshi S, Ludden TM, Wallace GA, Rinaldi MG, Yee RW. Ocular penetration and pharmacokinetics of topical fluconazole. *Cornea*. 1997 Jan;16(1):64-71
47. Yee RW, Meenakshi S, Yu HS, Wallace GA, Kozielec G. Effects of acetylcholine and carbachol on bovine corneal endothelial cells in vitro *J Cataract Refract Surg*. 1996 Jun;22(5):591-6
48. Tabbara KF, Yee RW, Kosirukvongs P, Meenakshi S. Fungal keratitis. In *Infections of the Eye*, 2nd ed. Boston, Little Brown & Co., 1995.

Invited Lectures:

1. Pathophysiology of amblyopia and Demystifying the cover test. Strabismus symposium, Karnataka State Ophthalmological Society, Bangalore, January 2002
2. Vision Screening in children and Posterior Fixation Suture. Annual Meeting of Strabismological Society of India July 2002
3. Refraction in Children, Karnataka State Ophthalmological Society Annual Meeting, Belgaum, October 2003
4. Approach to Diplopia, Intermittent exotropia. Two talks in instruction courses at AIOS 2004. Varanasi
5. Four talks in Strabismus CME. Chaitanya Eye Hospital. Cochin. April 2005
6. Three talks in Strabismus CME. Narayana Nethralaya. Bangalore. August 2005
7. Demystifying the cover test. Talk in the instruction course. AIOS. Bhopal February 2006
8. Three talks in Finer cuts: CME. Chaitanya Eye hospital. Trivandrum. April 2006
9. Superior Oblique Palsy and Work up of Congenital Cataract in Annual Meeting of TNOA at Pondicherry, August 2006
10. Approach to children with multiple disabilities, Duane's retraction syndrome at the Annual Meeting of Kerala Ophthalmic society Meeting, Cochin, November 2006
11. Approach to DVD, Amblyopia Strabismus CME, Shroff Charity Eye Hospital, Delhi, January 2007
12. Amblyopia-methods of occlusion and to improve compliance, Nystagmus in children in Pediatric Ophthalmology CME, Sankara Eye Care Centre, Coimbatore, February 2007
13. Management of visual problems in children with multiple disabilities. In Strabismological Society of India Meeting in Chennai, December 2007
14. Restrictive strabismus, Approach to a visually disabled child, Strabismus CME, Kozhikode, February 2008
15. Basic strabismus evaluation. Instruction course. TNOA Chennai, August 2008
16. Glasses or exercise or surgery for intermittent exotropia. Bombay Ophthalmological society. Strabismus 2008
17. Management of Childhood esotropia. Davengere ophthalmological society, October 2008

18. Newer modalities in the surgical treatment of pediatric strabismus, Vision testing and examination techniques in pre verbal children; Tips and Tricks. Vidharba Ophthalmological society meeting, Nagpur, November 2008
19. Factors affecting surgical outcome of strabismus. Strabismus Reoperations. CME on strabismus by the Hyderabad ophthalmological society. November 2008
20. Management of visual problems in children with multiple disabilities. Invited lecture in Delhi Ophthalmological Society Annual Meeting, New Delhi, March 2009
21. Amblyopia detection and management in the very young, AV patterns. Invited guest lecture, Dept of Ophthalmology, SMS Medical College, Jaipur, June 2009
22. Factors influencing surgical outcome in strabismus, Amblyopia. Invited lectures, Dept of Ophthalmology, Medical College, Rohtak, October 2009
23. Approach to squint evaluation in children, Pediatric Ophthalmology CME, RIO-GOH, November 2009
24. Subjective refraction, Pearls in Refraction, Vision testing in Infants, USMLE fellowships, CV writing. Invited talks in symposium in All India Ophthalmological Society Meeting in Kolkata January 2010.
25. Common eye problems in children. IAP-IJPP CME, Chennai, June 2010
26. Visual acuity assessment in children. Instruction course talk., Salem, TNOA August 2010
27. Refractive surgery in Pediatric age group (in symposium on controversies in ophthalmology), Complex strabismus made easy, Subjective refraction and practical pearls. Invited talks and instruction courses at AIOS 2011. Ahmedabad
28. Approach to a child with multiple disabilities. In symposium of Pediatric Ophthalmology. TNOA meeting, August 2011. Tirunelveli
29. Management strategies in Duane's retraction syndrome. In Pediatric Ophthalmology symposium in KSOC, Trissur September, 2011
30. Keynote address: Approach to a child with nystagmus. At KSOC, Trissur, September 2011
31. Approach to Duane's retraction syndrome. In Strabismological society of India annual Meeting. Dahod, December 2011
32. Refraction in children. Amblyopia. 2 invited talks at AIOS-Sun Pharma PG revision course at Pune. June 2012
33. Vernal Keratoconjunctivitis. In symposium at the World Society of Pediatric Ophthalmology and Strabismus Meeting, Milan, September 2012
34. Congenital Cranial disservation disorders in Strabismological Society of India Annual Meeting, Rohtak, December 2012
35. Approach to infant with nystagmus. Invited talk in symposium at the Asia Pacific Association of Ophthalmology (APAO) Conference at Hyderabad, January 2013.
36. Three talks on strabismus at the CME organized by CL Gupta Eye Institute, Moradabad, December 2012
37. Examination of infantile nystagmus from a surgical standpoint. In Instruction course on Nystagmus at the APAO 2013

38. Surgery for DRS. To do or not to do. Invited talk in symposium in annual conference of TNOA August 2013
39. A V Pattern strabismus. Invited talk at VASCON 2014, Chennai
40. Program Evaluation crucial for Programmatic improvement and Pediatric Eye Care-Making a difference. Two invited talks at the World Ophthalmology Congress in Tokyo, April 2014
41. Diplopia Case scenarios, Workup of congenital cataract: Instruction course talks in TNOA August 2014, Coimbatore
42. Breakfast with experts: Refractive errors in children and amblyopia in TNOA 2014
43. Grand rounds in Women Ophthalmology society conference. Hyderabad December 2018

Free Papers and Posters:

1. Use of Lea symbols to detect amblyopia. Use of a new testing method. Free paper Presented at TNOA, Trichy 2003
2. Krishnamurthy R, Meenakshi S. Assessment of the Accuracy of Lea Symbols as a vision testing tool in amblyopes. (Poster presented at ARVO, April 2004)
3. Meenakshi S, Shalini Kaul, T S Surendran, Sumita Agarkar, Sujata Guha. Comparison of cycloacceptance versus post mydriatic test for Pediatric refraction. Poster presented at AAPOS, Seattle, April 2007
4. Meenakshi S, Sasirega M, Surendran T S. Refractive Adaptation. AIOS, Jaipur 2009
5. Meenakshi S, Surendran T S. Management of bilateral sixth nerve palsy in a child with a botulinum toxin. Paper presented at Coimbatore TNOA August 2009
6. Neena Rahul Menon. Meenakshi S, Surendran T.S. Monocular depression deficiency due to absent inferior rectus. Paper presented at the AIOS, 2009 at Kolkata
7. Meenakshi S, Martiz JR, Chuang AZ, Yee RW. Corneal sensitivity after automated lamellar keratoplasty (paper presented at ARVO 1995)
8. Yee RW, Meenakshi S. Bacterial Conjunctivitis, Bacterial and Fungal keratitis, and Ocular micro Microbiology. Lectures prepared for the UT Houston Basic Science Course in Ophthalmology, 1995.
9. Meenakshi S. Ocular Microbiology. Presented at UT Houston Basic Science course in Ophthalmology, 1995.
10. Grewal SPS, Meenakshi S, Saini JS. Ocular trauma-a demographic profile. Presented at the All India Ophthalmologic Society Meeting 1992, New Delhi.
11. "Use of viscoelastic substances in the surgical management of anterior segment trauma "-an unpublished case control study completed as a thesis in partial fulfilment of the MS Ophthalmology degree.