

Curriculum vitae

SYEDA SUMARA TARANUM BASITH

PEDIATRIC OPHTHALMOLOGIST

Passionate Ophthalmologist with over 13 years of Clinical and research experience.

Wide range of clinical exposure and experience in pediatric ophthalmology diagnosis and management including strabismus, cataracts, glaucoma, ROP, ERG and general pediatric ophthalmology. I have an immense interest in Retinopathy of prematurity and well trained in diagnosis, documenting and treating with laser and injections where necessary/ indicated.

Performed more than 8000 cataract surgeries-Extra capsular large incision cataract extractions, Small incision self-sealing cataract surgeries and Phacoemulsification including Toric and multifocal IOLs and ICLs.

Good experience in phaco trabs, pterygiums- sutured and glue methods, vitrectomies and YAG procedures like peripheral iridotomies, YAG vitreolysis and membranolysis.

Trained residents and Ophthalmologist in cataract surgical procedures.

Education and Training

July 2018 to July 2019 Clinical fellow- pediatric ophthalmology and adult strabismus.

Northwestern university- Ann and Robert Lurie children's Hospital, Chicago, IL, USA

July 2017 to July 2018 Clinical fellow- Pediatric Ophthalmology and adult strabismus.

University of Southwestern, Dallas, Texas, USA

March 2013 - Aug 2013 Research Fellow- Glaucoma research center
Wills Eye Hospital, PA, USA,

2010 Restor training program.

2008 Indian contact lens education and training basic and Advanced course, LV Prasad Eye Institute, India.

Jan 2006 - Jan 2008 Fellow anterior segment and phacoemulsification,
Aravind Eye Hospital, Madurai, India.

Nov 2003 - Aug 2005 Postgraduate diploma in Ophthalmology,
Karnataka Institute of Medical Sciences, India.

2005 FRCS Part 1 - Glasgow

Aug 1995 - Mar 2001 Bachelors of Medicine and Bachelor of Surgery.

Mysore Medical College, India.

Work History

September 2019 to present

Pediatric Ophthalmologist, Golisano Children's Hospital, Fort Myers, Florida

July 2018 to July 2019

Clinical fellow pediatric ophthalmology and Adult strabismus- Ann and Robert Lurie children's Hospital, Northwestern University, Chicago, IL.

July 2017 to July 2018

Clinical fellow pediatric ophthalmology, Children's Health University of Texas, Southwestern medical center, Dallas.

March 2017- June 2017

Ophthalmologist Jayapriya hospital, Hubli, India.

February 2017-June 2017

Clinical research associate training.

January 2017

Observer, Rhode Island Hospital.

November 2016- December 2016

Research assistant at JPS health. Reviewed literature and summarized required information for project.

September 2016

Clinical Observer

North County neurology practice, New York.

August 2016

Clinical Observer

University of South Florida, Tampa General Hospital.

June 2016

Clinical observer

Boston children's- pediatric Ophthalmology, Harvard Medical School.

Feb 2016-May 2016

Extern

Swedish Covenant Hospital, Chicago

September 2013- Jan 2016

Attending physician Ophthalmology

Vasan Eye Care and Srinivasa eye Hospital, Bangalore.

April 2013 - Aug 2013

Research Fellow Glaucoma - Wills Eye Hospital, PA, USA

The research training included CITI certification program - Biomedical research certification basic course, Bio-medical responsible conduct of research, and social and behavioral conduct of research.

During this period, I coordinated and lead the following research projects.

Quality of life in patients with moderate Glaucoma

Lead the team and coordinated the project. I was also responsible for screening, interviewing patients which included activity of daily life and quality of life questionnaire, performed tests on patients related to the study such as recording visual acuity, visual fields, performing contrast sensitivity tests and OCT, data entry and compilation.

SPARCS Normative database study

Wrote the study protocol, recruited patients, made flyers for the study and made sure the IRB protocols are adhered to.

STOP glaucoma study

Identified potential patients for recruitment and compiled patient data list.

Modified and submitted grant applications along with co-research fellows and students which included- Combined Ability Related to Vision (CAARV) in moderate

glaucoma patients-PICORI, Short Duration Transient Visual Evoked Potentials for Early Detection of Retinal Ganglion Cell dysfunction and Clinic vs. Primary Eye Care Clinic: A Retrospective Analysis-glaucoma service foundation grant application.

Worked on research proposal 'Assessment of Glaucoma Eye care in assisted living facilities'.

Jan 2010 - Jan 2013

Consultant physician Anterior Segment and phacoemulsification.

Vasan Eye Care, Bangalore, India

As an attending physician I had clinical, surgical, research and teaching responsibilities. I was in-charge of cataract surgical unit here. Independently managed anterior segment and cataract cases including subluxated, traumatic, complicated cataracts, posterior polar cataracts. Did several multifocal IOL implantation and phacotrials. Trained paramedical staff.

Feb 2009 - Dec 2009

Consultant physician Anterior segment and Phacoemulsification

Mahatma Eye Hospital, Trichy, India.

In-charge of cataract and IOL training program given to postgraduate students as well as practicing ophthalmologist to enhance their surgical skills and performance. Imparted the training program using simulation devices, workshops on Goats eyes and human cadaver eyes, visual power point presentations and finally hands-on training on human eyes in the operation theatre. This kind of training instilled greater clinical skills and confidence in the trainee to perform surgeries independently.

Did high volume cataract surgery-able to handle 100 surgeries in a day.

Actively participated in Continued Medical education (CMEs) and delivered lectures and live training programs.

Participated in community outreach programs for prevention and treatment of avoidable causes of blindness.

Feb 2008 - Jan 2009

Ophthalmologist, Manav Charitable Hospital,
Bangalore, India.

Jan 2006 - Jan 2008

Fellow in Anterior Segment and IOL Aravind Eye Hospital and Research Institute, India-WHO accredited fellowship program.

As part of fellowship program, I rotated in cornea, glaucoma, uvea, neuro-ophthalmology, pediatric Ophthalmology, orbit, oculoplastic and Oncology clinic with major time spent in cataract clinic-center of excellence.

Performed more than two thousand five hundred surgeries- extra capsular cataract extraction, small incision cataract surgeries and phacoemulsification. CTRs, Iris fixation of IOLs, scleral fixation of IOLs etc.

Did more than 500 YAG procedures including YAG capsulotomies, vitreolysis, and membranectomies.

Did DCTs, DCRs, and pterygium excisions with autografts, trabeculectomies. Exposed to variety of cases and good at decision making.

Well versed in diagnosis and management of complicated cataract cases and intra-op complications.

Taught national and international trainees, Residents and physician assistants and participated in community outreach programs, cataract and diabetic screening programs and telemedicine.

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November 2003 - August 2005

Resident physician in Ophthalmology, Karnataka Institute of Medical sciences, India.

September 2002- October 2003

In-house physician Internal medicine.

Apollo Hospitals, Chennai, India.

June 2001 - August 2002

In-house physician Internal Medicine.

Kovai Medical

April 2001- May 2001

Faculty in anatomy and histology.

Farooqia dental College, Mysore.

Mar 2000 - Mar 2001

Resident Intern.

Mysore Medical College, and Mysore, India.

Professional Affiliations

American Academy of Ophthalmology 2016 till date.

American Academy of Pediatric Ophthalmology 2017 till date.

Florida Medical Association 2019 till date.

Lee county medical Association 2019 till date.

All India Ophthalmology society 2003 till date.

Reviewer Indian Journal Of Ophthalmology.

Licenses

Florida Medical License- Current.

Illinois State Medical License- Current

Posters

● Relationship between Baseline Clinical Characteristics and Vision-Related Quality of Life in Patients with Glaucoma. Ekici, Feyzahan¹; Sun, Yi¹; **Taranum, Sumara¹**; Martinez, Patricia¹; Erdem, Elif¹; Nayak, Natasha V.¹; Wizov, Sheryl S.¹; Waisbourd, Michael¹; Spaeth, George L.¹
at ARVO 2014.

Publication

Secondary intraocular lens implantation using the flanged intrascleral fixation technique in pediatric aphakia: case series and review of literature, Amir Sternfeld, **Syeda Sumara Taranum Basith**, Surender Basti- JAAPOS, VOLUME 24, ISSUE 5, P286.E1-286.E6, <https://doi.org/10.1016/J.JAAPOS.2020.06.010>

FEVR phenotype associated with septo-optic dysplasia; David L. Zhang, Michael P. Blair, Janice L. Zeid, **Syeda S.T. Basith** & Michael J. Shapiro (2019) , Ophthalmic Genetics, 40:5, 449-452, DOI: [10.1080/13816810.2019.1660380](https://doi.org/10.1080/13816810.2019.1660380)

Long-term surgical outcomes of ab externo trabeculotomy in the management of primary congenital glaucoma
Hamed Esfandiari, **Syeda Sumara Taranum Basith**, Sudhi P. Kurup, Rebecca Mets-Halgrimson, Kana Hassanpour, Hawke Yoon, Janice Lasky Zeid, Marilyn B. Mets, Angelo. P Tanna, Bahram Rahmani; Journal of American Association for Pediatric Ophthalmology and Strabismus {JAAPOS}, Volume 23, Issue 4, 222.e1 - 222.e5

Effect of Glucosamine on Intraocular Pressure -Esfandiari, H.; **Basith, S.S.T.**;
Loewen, N.A. Preprints 2018, 2018080411 (doi:10.20944/preprints
201808.0411.v1).

Relationship between Baseline Clinical Characteristics and Vision-Related Quality
of Life in Patients with Glaucoma, Feyzahan Ekici; Yi Sun; **Sumara Taranum**;
Patricia Martinez; Elif Erdem; Natasha V Nayak; Sheryl S Wizov; Michael
Waisbourd; George L Spaeth Investigative Ophthalmology & Visual Science,
Vol.55, 176, April 2014.

A case of endophthalmitis associated with limbal relaxing incisions. Indian J
Ophthalmology- Hari Priya Aravind, **Syeda Sumara Taranum. B.** 2012 May- Jun; 60(3):
223–225 <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3361822/>.

Article in Karnataka ophthalmic society's journal on posterior levitation, Ravi
Krishna, **Syeda Sumara Taranum B-** Aug 2010.

Co-authored review paper titled-“**Cataract surgery and intraocular lens
manufacturing in India**” Aravind Srinivasan; Hari Priya Aravind; **Sumara Taranum
B Syeda**, Current opinion in Ophthalmology 19(1):60-65, January 2008.

Book chapter

Co-authored chapters- 'Phaco in subluxated cataracts and management of PCR in
Phacoemulsification 'in a book titled '**Mastering phacoemulsification in difficult
situations'**-

Hari Priya Aravind, Sharad Kumar, **Syeda sumera**-ISBN-13: 978-8184481792, ISBN-
10: 8184481799

Chapter 10, pages 59-69 published by Jaypee publications.

Book on ward procedures- Aravind eye hospitals-Madurai.

Article on PCO management in Physician Assistant's journal.

Clinical protocol for cataract and IOL clinic, AEH-Madurai.

Teaching Experience

Delivered a Guest faculty lecture- On the topic- 'Surgical management of pediatric Aphakia' at University of West Virginia Department of Ophthalmology- Nov 2020

Actively taught medical students and residents at clinic during my current fellowship at Ann and Robert Lurie Children's hospital- Northwestern University and during my fellowship at

University of Texas, southwestern.

Surgical tutor and participated in skill transfer as a fellow in Ophthalmology.

Chief trainer in cataract Mahatma Eye Hospital, Trichy, India.

Additional Information and Awards

Volunteer at Texas Indian Physician association, Irving, Texas.

Volunteer for food and toy initiative drive for Kids, Weymouth, MA.

Volunteer teacher at Teach India initiative.

Participated in screening and review cataract camps and community welfare health programs.

Certificate of Rural training (03/27/2000 to 06/26/2000).

Volunteer Children Health Examination Program under Swami Vivekananda Youth Movement in and around HD. Kote, Mysore District, India.

Organizing co-coordinator and volunteer pulse polio immunization programs, India.

Combined national Annual Training Camp Certificate (NCC).

Pre-Senior UN Test Information Certificate.

Recipient of awards for Nature Program, NSS activities, Painting competitions and Sports events.

Recipient of State Merit Scholarship during High School and Pre-university and best medical

student award.