



## *Dr. Sean Socrates Da Silva*

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### ***Clinical Interests***

Key areas of interest include Refractive Corneal Surgery, Femtosecond laser applications, Phacoemulsification , Phakic IOLs, Keratoconus and Lamellar corneal surgeries , Glaucoma , Stem cell transplantation and Eye banking.

### ***Academic Qualifications***

#### **Fellow of The Royal College of Ophthalmology, Part 1**

Glasgow, February 2007

#### **Fellow Aravind Eye Hospital( Cornea and Anterior segment)**

Aravind Eye Hospital, August 2006 - January 2008

Madurai, Tamil Nadu, India

#### **Master of Surgery in Ophthalmology**

Goa Medical College, 2002 – 2005

Goa University, Goa, India

Post MS Work Experience : 9 years

#### **Bachelor of Medicine and Bachelor of Surgery**

Goa Medical College, 1996 – 2002

Goa University, Goa, India

### ***Career Information***

#### **Medical Superintendent and Chief Cataract and Refractive Surgery, Cornea and Anterior segment**

The Eye Foundation, Bengaluru , Karnataka : INDIA

1 September 2013 – to date

**Consultant; Refractive Surgery and Anterior segment**

The Eye Foundation, Coimbatore , Tamil Nadu : INDIA

1 February 2013 – 31 August 2013

**Consultant; Refractive Surgery, Cornea and Anterior segment**

Aravind Eye Hospital, Madurai , Tamil Nadu : INDIA

16 August 2010 – 31 January 2013

**Consultant; Cornea , Glaucoma and Anterior segment**

Sankar Foundation Eye Hospital, Vishakapatnam , Andhra Pradesh : INDIA

1 April 2008 – 7 December 2009

**POST DOCTORAL TRAINING COURSES**

**Training in Phacoemulsification cataract surgeries**

Sankara Eye Hospital, Coimbatore , Tamil Nadu : INDIA

1 March 2008 – 31 March 2008

**Medical Director training in Eye Banking**

Ramayamma International Eye Bank, L V Prasad Eye Institute, Hyderabad , Andhra Pradesh : INDIA

8 February 2010 – 13 February 2013

**Fellowship in Cornea and Anterior Segment**

Aravind Eye Hospital, Madurai , Tamil Nadu : INDIA

1 August 2006 – 31 January 2008

**Clinical Training in corneal disorders**

L V Prasad Eye Institute, Hyderabad , Andhra Pradesh : INDIA

1 July 2006 – 31 July 2006

***Work Experience***

**SURGICAL TRAINING IN CATARACT**

Clear Corneal Phacoemulsification – 3,400

Manual small incision cataract surgery – 6,400

Iris Fixation of PC Intraocular lens - 34

Scleral fixated Intraocular lens for surgical aphakia - 12

TORIC IOL and MULTIFOCAL IOL implantation - 248

Capsular tension rings, Iris hooks, Capsular hooks in Indicated cases  
Phakic IOLs , STAAR ICL , IPCL - 64

## **SURGICAL TRAINING IN CORNEA , GLAUCOMA AND ANTERIOR SEGMENT**

Therapeutic penetrating keratoplasty : 156

Optical Penetrating keratoplasty :178

Femtosecond assisted Keratoplasty : 12

Deep anterior lamellar keratoplasty : 35

Descemets stripping Endothelial keratoplasty : 2

Penetrating keratoplasty with intraocular lens insertion :42

Trabeculectomy : 47

Phacotrabeculectomy : 24

Primary repair of open globe injuries

Corneal tear repair with cataract surgery

Pterygium excision with conjunctival autograft / Fibrin Glue,

Corneal patch graft ; 14

Scleral patch graft : 4

Amniotic membrane transplantation in various disorders

Limbal autograft in stem cell deficiency

Excision biopsy of ocular surface neoplasias and other lesions

Corneal tattooing

Boston Keratoprosthesis : 4

## **CORNEAL COLLAGEN CROSSLINKING FOR ECTATIC DISORDERS**

IROC and AVVEDRO Platforms

## **REFRACTIVE CORNEAL SURGERIES :**

I have performed 2,450 surgeries inclusive of Microkeratome and Femtosecond Laser and worked with the following Platforms:

Bausch and Lomb platform with Hansatome microkeratome unit.

IntraLASE AMO Platform with Zyoptix XP and Moria microkeratome unit

Alcon WaveLight Refractive Suite with FS 200 and EX500

### ***Teaching Responsibilities***

- Guiding residents on ward rounds, emergency rotations and post graduate clinics
- Conducting lectures for postgraduate students
- Supervising and assisting candidates for training in SICS and Phacoemulsification.
- 4 years teaching experience under Rajiv Gandhi University , Tamil Nadu

### ***Membership***

- All India Ophthalmological Society
- Delhi Ophthalmological Society
- Karnataka Ophthalmological Society
- Bangalore Ophthalmological Society

### ***Personal Information***

- Date of Birth: May 30<sup>th</sup> , 1979
- Age ; 35 years
- Sex; Male
- Permanent address; C-13/214, Teoliza appt, Near St.Inez church, Panjim- Goa.  
Pin:403001.  
Religion : Roman Catholic
- Languages Known : to write; English, Konkani, Hindi.  
Converse; Marathi, Tamil , Telugu ,French.
- Citizenship: Indian

## CURRICULUM VITAE

### *Publications*

- Acanthamoeba Keratitis; Present Scenario .Orissa Journal of Ophthalmology , July 2007 ,Dr M Srinivasan, Dr Sean Socrates DSilva
- The lack of solar protection and the lack of hygiene producing corneal problems; co-author : Points De Vue , Essilor journal of Optometry, sep (Autumn ) 2008  
Dr M Srinivasan, Dr Sean Socrates DSilva
- Current Concepts in Customised LASIK ; Chapter 8, Tips and Tricks of LASIK Surgery book by Shashi Kapoor # co-authors ,Sean Socrates DSilva and N. Venkatesh Prajna,
- *Pantoea ananatis* as a Cause of Corneal Infiltrate after Rice Husk Injury  
Geetha Manoharan, Prajna Lalitha, Lakshmi Priya Jeganathan, Sean Socrates DSilva and N. Venkatesh Prajna, J. Clin. Microbiol. June 2012 vol. 50 no. 6 2163-2164
- Acanthamoeba, Fungal, and Bacterial Keratitis: A Comparison of Risk Factors and Clinical Features . (Am J Ophthalmol 2014;157:56–62.) Jeena Mascarenhas , Sean S Dsilva et al .
- Trends in bacterial and fungal keratitis in South India, 2002–2012 ; BJO Aug 2014 . Co-author

## ***Conference presentations***

### **AIOC 2015**

#### **Instruction Course on Anterior Segment Imaging**

1. Pentacam : Uses in detection of ectasia and Role in Refractive Surgery

### **PhacoRefractive Interactive 2015 (under aegis of BOS / KOS)**

Organising Secretary

Lectures delivered

1. Cataract surgery in Compromised Ocular Surface
2. Surface Ablations
3. Advances in Femtoflaps and Excimer Laser technology

### **Karnataka Ophthalmic Society MYCON 2014**

1. Specular Microscopy in Corneal evaluation

### **TNOA 2014 (Tamil Nadu Ophthalmic Association)**

Instruction Courses : Refractive Surgery

1. Surface Ablations : Indications and Advances.

Also participated in

2. Debate on PKP vs DSAEK in Pseudophakic Bullous Keratopathy.
3. Why I chose Cornea and Ocular Surface ? – Post Graduates guidance seminar .

### **AIOS 2014:**

- Lamellar Corneal Surgeries : Instruction Course – Chief
- Role of Lamellar Keratoplasty in Infectious Keratitis.
- Discrepancies in IOL Calculation after Refractive Surgery – Co-Instructor
- Recurrent Pterygium Surgery – Co-Instructor

### **BOS 2014 : Bangalore Ophthalmic Society**

Pterygium Surgery – Video Assisted Instruction Course

**AIOS 2012** : ( All India Ophthalmic Association )

- Clinicohistopathological Analysis and Outcome of Management in Cases of Suspected Ocular Surface Neoplasia: Retrospective Analysis of 109 Cases-241  
Dr. Roopasree B V, Dr. Sean Socrates D'SILVA, Dr. Prajna N V, Shanti R - Free Paper

**TNOA 2011**

- Inadvertent retention of Descemets membrane with double anterior chamber in Penetrating Keratoplasty : case report , First author
- Post traumatic intralenticular foreign body – The back door entry. Dr.Soundaram.M, Dr.Sean Socrates D Silva, Dr.Venkatesh Prajna , received the Best Video , **Captain Subramaniam Award**
- Outcome of Dematecious Fungal Keratitis and role of therapeutic DALK in the management- Paper presentation – Dr Hanupadmaja, Dr Sean Socrates, Dr N V Prajna.

***Clinical Trials***

- Steroids in Corneal Ulcer Study / Aravind Eye Hospital ; Madurai– Participated
- Mycotic Ulcer Treatment Trial / Aravind Eye Hospital ; Madurai - Participated
- ASIA CORNEA SOCIETY INFECTIOUS KERATITIS STUDY , Aravind Madurai is one of the collaborating sites. **Co- Principal Investigator.**
- Outcomes of Bilateral Multifocal IOL Implantation with Tecnis MFIOL . **Principal Investigator**

## ***Current Referees***

NAME	DESIGNATION
DR N V PRAJNA	CHIEF, MEDICAL EDUCATION HEAD OF CORNEA DEPARTMENT , ARAVIND EYE CARE SYSTEM, MADURAI <a href="mailto:prajna@aravind.org">prajna@aravind.org</a>
DR D RAMAMURTHY	CHAIRMAN , THE EYE FOUNDATION <a href="mailto:drramamurthy@theeyefoundation.com">drramamurthy@theeyefoundation.com</a>
DR . M. SRINIVASAN	DIRECTOR, ARAVIND EYE CARE SYSTEM, MADURAI <a href="mailto:msrinivasan@aravind.org">msrinivasan@aravind.org</a>