

# CORNEA

## INTERNATIONAL FELLOWSHIP TRAINING PROGRAMME



## Introduction

From a 11 bedded clinic in 1976, the Aravind Eye Care System has grown into what is now one of the most productive eye care organizations in the world. Today its network of 15 hospitals, 118 vision centres and 8 community centres handle over 8.4 million outpatient visits and performs more than seven hundred thousand surgeries and ocular procedures each year. Aravind's high quality, high-volume, low-cost services have earned it a worldwide reputation for excellence and made it a much sought-after institute for clinical education and advanced surgical training.

The Aravind Eye Hospitals have well equipped Cornea services manned by suitably trained faculty to offer excellent scope for training in methods of diagnosis and management in corneal diseases. The Institute has advanced structural facilities with examination rooms, operating suites, state-of-the-art equipment, as well as diagnostic, therapeutic and ancillary support services. Additional facilities available include an ocular pathology laboratory, molecular genetics, immunology laboratory and microbiology services.

## Course Objective

- The programme aims to train international ophthalmologists in the diagnosis and management of corneal diseases, focusing on clinical evaluation, the use of various investigative procedures, medical management, and surgical intervention. This equips them with the fundamental knowledge and requisite skills to effectively manage Corneal diseases in their communities.

## Highlights of the Course

- All Aravind Training centres are well equipped with wet labs, tele-ophthalmology network, classrooms and teaching facility, audio visual facility, library and resource centre. The institution provides various online resources accessible to all trainees.
- Surgeries supervised by senior instructors till the surgeon gains confidence to perform independent surgeries
- Structured lectures on various topics related to the Cornea
- Postoperative review of cases along with senior consultants
- Maintenance of Clinical and Surgical Log Records for documenting training and learning.
- Exposure to outreach activities

## Programme Details

### Eligibility Criteria

- A qualified and practising ophthalmologist with a Postgraduate degree in ophthalmology from a recognised university

No. of Positions	1/centre
Duration	12 Months
Starting Date	January 1st of every year
Training Centres	Madurai, Coimbatore & Pondicherry

## Course Outline

- The curriculum combines didactic learning, supervised clinical practice surgical training, research and participation in multidisciplinary teams to prepare fellows for independent subspecialty practice in cornea. The fellows will get ample opportunities for seeing a vast spectrum of pathologies. In addition, the fellows get dedicated postings to microbiology, eye banking, contact lens clinic and pathology departments.

## Clinical

- Slit Lamp Biomicroscopy
- Gonioscopy
- Slit Lamp Mounted Photography
- OPD-Based Procedures Like Microbiology Evaluation for Corneal Ulcers
- Corneal Foreign Body Removal
- Selective Suture Removal for Keratoplasty and Ocular Trauma
- Stereoscopic Disc Evaluation (90 D)

## Diagnostics

- Pentacam & Orbscan - Corneal topography for corneal profiles
- Specular microscopy
- Anterior Segment – Optical Coherence Tomography
- Corvis ST – Corneal Biomechanics
- Meibography – Dry Eye Evaluation
- Corneal Confocal Microscopy
- Ultrasonography
- Keratometry

## Surgical techniques

- Optical Penetrating Keratoplasties
- Therapeutic Keratoplasties
- Pterygium Surgeries with Glue and Sutures
- Collagen Cross-Linking
- Corneal Tear Repairs
- Amniotic Membrane Transplantation
- In addition, a fellow can expect to observe Laser Vision Correction procedures like Photorefractive Keratectomy, Femtosecond-assisted LASIK surgeries, SILK (Corneal lenticule removal) and lamellar corneal transplantation surgeries like DALK, DSAEK and DMEK.

## Academics

- Candidates will be able to participate in the journal clubs, resident lectures, and guest lectures.

## Tuition Fee

- USD 7080 (Inclusive of 18% GST to the course fee)

## Accommodation Tariff

- Accommodation will be provided for the selected candidates based on their request. Candidates posted in Madurai centre can stay at Inspiration trainee's hostel. Candidates selected for other centers, accommodation is available within Aravind Campus.

**For Madurai:** Please click [here](#) to view the information about tariff and other details of the trainee's hostel (**Inspiration**).

## Food

- Food is served at the hostel itself and includes break-fast, lunch and dinner (local Indian menu) On Sundays, only breakfast will be provided. However, there are number of good restaurants located within walking distance. Food expenses are separate and can be paid at the Hostel mess on a monthly basis.

## National Medical Commission Process

- It is mandatory for all the international candidates to get a temporary medical license from the National Medical Commission, Govt of India
- The application process will take minimum three months to complete which will be done through the organization only

## Admission / How to Apply

Applicants are requested to apply through our website [www.aravind.org](http://www.aravind.org) If you have difficulty in submitting the application form, you can contact the course coordinator ([uma@aravind.org](mailto:uma@aravind.org)).



ARAVIND EYE CARE SYSTEM