

GLAUCOMA

- 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 Glaucoma services manned by suitably trained faculty to offer excellent scope for training in methods of glaucoma diagnosis and management. 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 glaucoma in the areas of clinical evaluation, use of several investigative procedures, medical management, laser and surgical intervention to equip them with the fundamental knowledge and requisite skills to effectively manage glaucoma 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 on-line 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 Glaucoma
- Postoperative review of cases along with senior consultants
- Maintenance of Clinical and Surgical Log Records for documenting training and learning.
- Participation in Journal club/grand rounds/guest lectures
- Exposure to outreach activities

Programme details

Eligibility Criteria: -

A qualified and practicing 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, Tirunelveli, Coimbatore, Pondicherry & Chennai

Course Outline

The glaucoma fellowship program for international ophthalmologists basically encompasses a comprehensive curriculum designed to develop a specialized expertise in diagnosis, management and surgical treatment of glaucoma:

- o Basic and Advanced Glaucoma Pathophysiology: Understanding the mechanisms underlying different types of glaucoma, including open-angle, angle-closure, secondary, and congenital glaucoma.
- o Comprehensive Clinical Evaluation: Training in detailed patient history-taking, intraocular pressure measurement, gonioscopy, optic nerve assessment, visual field testing, and imaging modalities such as OCT.
- o Medical Management: Indications, mechanisms, and limitations of various glaucoma medications, including topical agents, oral medications, and their side effects.
- o Laser Procedures: Techniques and indications for laser peripheral iridotomy, suture lysis, and other laser-based interventions.
- o Surgical Management: Hands-on training in surgeries such as trabeculectomy and tube shunt procedures along with MSICS
- o Advanced Diagnostic and Imaging Techniques: Use of technologies like ultrasound biomicroscopy, anterior segment OCT, and visual field analyzers.

The curriculum combines didactic learning, supervised clinical practice, surgical training, research, and participation in multidisciplinary teams to prepare fellows for independent subspecialty practice in glaucoma.

Clinical

- Slit lamp Biomicroscopy
- Applanation Tonometry
- Gonioscopy
- Stereoscopic disc evaluation (90 D)

Diagnostics

- Automated perimetry
- Fundus photography
- Optical Coherence Tomography (OCT)
- Anterior Segment OCT
- Ultrasound Bio-microscopy

Training in the use of laser equipment

- Nd: YAG laser Iridotomy
- Laser Suture lysis
- Selective Laser Trabeculoplasty
- Diode Laser Cyclophotocoagulation

Surgical techniques

- Manual Small Incision Cataract Surgery (MSICS)
- Trabeculectomy
- Combined Trabeculectomy with MSICS Surgery

Apart from the above, the candidates will be able to observe Glaucoma Drainage Device Implantation, Minimally Invasive Glaucoma Surgeries (MIGS)

Academics

Candidates will be able to participate in the journal clubs, resident lectures, 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
- If you have difficulty in submitting the application form, you can contact the course coordinator (uma@aravind.org).



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