

# *Short term Fellowship in Neuro-Ophthalmology*



ARAVIND EYE CARE SYSTEM

## Introduction

From an 11 bedded clinic in 1976, the Aravind Eye Care System has grown into what is now the large stand most productive eye care organization in the world. Today its network of 13 hospitals, 104 vision centres and Six community centres handle over 72.7 million outpatient visits and performs more than Four hundred thousand surgeries each year.

## Neuro-ophthalmology clinic

The Neuro-ophthalmology department of Aravind eye hospital Madurai has its origins in the Madurai Medical College – Government Rajaji Hospital - which started the department in 1967 which was the first of its kind in India. Subsequently when Aravind Eye Hospital and Post Graduate Institute was founded in 1976, the neuro-ophthalmology department was established.

## Course objective

The four months training programme aims to enhance the clinical skills and in diagnosing and treating cases of Neuro-ophthalmology. The candidates will learn diagnostic techniques to identify vision impairment of neurologic aetiology as well as appropriate case management in a clinical setting. Emphasis will be placed upon efficient case workup, competent use of the hospital's diagnostic capabilities, and accurate interpretation of test findings.

## Highlights of the course

The candidate will be able

- To identify and differentiate a simple neurology case vs a neuro ophthalmic case
- To work up a neuro - ophthalmology case independently, accurately and be able to make a probable clinical diagnosis and perform a basic neurological examination in these cases.
- To interpret and evaluate cases with field defects, motility disorders, proptosis, fundus pathology of neuro-ophthalmic etiology, pupillary abnormalities and nystagmus
- To interpret visual fields by Humphrey automated perimetry.
- To perform and interpret Hess charting and diplopia charting.
- To evaluate and interpret simple plain X-rays, CT scans and MRI scans, including knowledge of scanning procedures / patient experience

## Course Schedule

### Week 1

Observation with

- Departments of Neuro-ophthalmology (Neuro ophthalmology tray and setup of the clinic)
- Orbit (Exophthalmometry, Ptosis measurement)
- Squint (Analysis of paralytic squint)
- Diplopia and Hess Chart and
- Glaucoma (Humphrey fields)

### Week 2-3

- Workup of cases in Neuro-ophthalmology clinic

#### **Week 4**

Workup of cases in squint Clinic

- Doing prism cover tests for paralytic squint
- Diplopia charting
- Hess charting
- Observing forced duction tests
- Observation of squint surgeries in squint operation theatre

#### **Week 5**

Workup of cases in Orbit clinic

- Measurement of proptosis using exophthalmometer
- Work up of cases of proptosis of Neuro-ophthalmic aetiology
- Observing orbital ultrasound
- Observation of orbitotomies in orbit operation theatre

#### **Week 6 -16**

Work up of cases in Neuro-ophthalmology clinic

#### **Course outcome**

At the end of the course, the candidate will be able to;

- Independently examine and perform diplopia/Hess/visual field charts
- The candidate will be able to identify and work up neuro-ophthalmic common cases -
  - Papilloedema
  - Optic atrophy
  - Cranial nerve palsies
  - Visual field defects
  - Cases of proptosis with Neuro-ophthalmic causes like glioma, etc
  - Bilateral optic neuritis
  - Traumatic optic neuropathy
  - Ocular Myasthenia

#### **Eligibility Criteria**

Qualifications	:	MS / DNB
No.of batches	:	3 batches / year
Starting dates	:	1st of January, May & September
No of positions	:	1/center
Duration	:	Four Months
Training centers	:	Madurai, Tirunelveli, Coimbatore & Pondicherry

## Course Fee

For Indian & Nepal Candidates - INR 29,500/-

For International candidates - USD 738/-

(Inclusive of 18% GST to the course fee)

## Accommodation

Accommodation is available for selected candidates on request at the Aravind Hostels.

Candidates posted in Madurai centre can stay at “Inspiration” - An International trainees’ hostel.

For candidates selected in Tirunelveli, Coimbatore and Pondicherry, accommodation is available at Postgraduate hostels.

### For Madurai

[Please click here](#) to view the information about tariff and other details of the trainee’s hostel (Inspiration).

### For Tirunelveli, Coimbatore & Pondicherry

- Rs. 3,000/month (for National candidates)

- USD 120/month (for International candidates)

## Food

Food is served at the hostel itself and includes break-fast, lunch and dinner (local Indian menu).

Sunday is a holiday. 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.

## Admission / How to apply

- Applicants are requested to apply through our website [www.aravind.org](http://www.aravind.org) with the ophthalmology degree certificate.
- If you have difficulty in submitting the application form, you can contact the course coordinator.
- Status of the application form will be intimated two - three weeks after the receipt of the application form.



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