

# SHORT TERM TRAINING PROGRAM ON Tele-Screening in Retinopathy Of Prematurity



## Pediatric Retina & Ocular Oncology Services

The Pediatric Retina department at Aravind Eye Hospital, Coimbatore was started in 2011 and is providing Retinopathy of Prematurity (ROP) services in Neonatal Intensive care Units in and around Coimbatore and Western Tamilnadu.

### Retinopathy of Prematurity

ROP is a vasoproliferative disorder affecting the retinal vessels of premature babies. It is an avoidable cause of childhood blindness.

### Need for this Training

With the survival of smaller premature babies, the incidence of ROP is on the rise. Due to lack of ophthalmologists with specialized training in examining the pediatric retina, the screening burden is ever increasing. Telescreening by non-ophthalmologists using digital imaging has become an important tool to fill this lacuna.



Many regional medical centers with large birthing centers around the world do not have trained staff to effectively screen these infants for ROP. Hence, there is an urgent need to start ROP telescreening programs using digital imaging in centers where this expertise is already available.

### Course Objectives

The training is intended to help the participants to acquire knowledge about the following:

- Screening protocols and ROP procedures
- Handling of various digital cameras
- Perform tele-screening for ROP on mannequin (model eye) and then on actual preterm babies
- Capturing fundus photos on various cameras
- Uploading images in software through internet connectivity
- Learn about ROP stages & treatment

### Programme Details

**Eligibility criteria:** Any non-ophthalmologist (Optometrists, Nurses, etc) who has special interest in handling digital cameras for ROP tele-screening.

**No: of positions** : One per month

**Course duration** : One month

## Course Schedule

### Week 1

- Lecture on ROP
- Observation of digital imaging at base hospital by ROP expert
- Hands on digital imaging on mannequin (model eye) at base hospital

### Week 2

- Hands on digital imaging training on preterm babies at base hospital under supervision of ROP expert
- Onsite observation of digital imaging by expert technicians /Uploading of images / Downloading the reports and counselling

### Week 3

- Onsite Hands on Training of digital imaging on preterm babies /Uploading of images /Downloading the reports and counselling under ROP expert technicians guidance

### Week 4

- Independent full hands on imaging / uploading of images / downloading the reports and patient counselling

## Course Fee

Rs.10,000/- for India & Nepal candidates

US\$ 500 (for International participants)

(GST 18% is applicable to course fee)

## Accommodation

Accommodation is available for selected male candidates on request at the Aravind Hostel and for the female candidates, at the hospital campus.

Accommodation fee Rs.3000/per month

Food and other expenses are extra

## Admission / How to apply

- Applicants are requested to download the application forms from our website and send the completed form to Course Coordinator by email
- If you have difficulty in downloading the form, you can contact the course coordinator to get the forms by mail / post (See contact info)
- Status of the application form will be intimated two - three weeks after the receipt of the application form



### For further details, Contact

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