From Darkness Lord
Your Shining Light

Dr. TONY FERNANDEZ
EYE HOSPITAL
SUPER SPECIALITY EYE INSTITUTE &
LASIK CENTRE
www.dronyseyehospital.com
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Dr. Tony Fernandez Eye Hospital is an initiative of eminent and renowned ophthalmologists under the leadership of Dr. Tony S Fernandez, recipient of Padma Shri and BC Roy awards from the President of India. Five years ago Dr. Tony Fernandez started this hospital at Aluva, and Dr. Freddy T Simon is acting as the Managing Director of the hospital since its inception in 2008.

It has been established with the intention to provide quality eye care at an affordable price. Our main focus is the treatment and care of patients from all levels with a wide range of eye problems from common complaints to rare conditions which need treatments and not available elsewhere in the state. It has been structured according to International standards and provides eye care through different super specialties with full-time consultants.

Our specially designed outpatient department and surgical facilities together with the patient-oriented approach and dedicated effort from our medical, paramedical and management staff combined with competent support services make our hospital unique in this field.

Apart from the clinical services hospital provide training to Ophthalmologist, Optometrist and Opticians.
Dr. Tony Fernandez being honored with PADMASHREE, the country’s prestigious award by the president of India Smt. Prathiba Patil

Chairman

Dr. Tony Fernandez
MBBS, MS, DO(Lon), FIMA, FRCS (Glasc.)

Managing Director

Dr. Freddy T. Simon
MBBS, MD(AllMSI), FRCS(Ed), FRCS(Glasc), DNB
Vitreo - Retinal

Vitreo-retinal surgery refers to any operation to treat eye problems involving the retina, macula, and vitreous fluid. These include retinal detachment, macular hole, epiretinal membrane and complications related to diabetic retinopathy.

- Diabetic Vitrectomy
- Buckle Vitrectomy
- Vitrectomy – Suture less
- Scleral Buckle
- Macular Hole
- Membrane peeling
- Membranectomy
- IOFB Removal
- Endophthalmitis Vitrectomy
- Scleral Fixation of IOL

Medical Retina

Conditions treated by clinicians in this service include age-related macular degeneration (AMD), retinitis pigmentosa, diabetic retinopathy, retinal blood vessel blockages and inflammation at the back of the eye (uveitis).

- Laser for Diabetic Retinopathy
- Intra-vitreal Injections (Accentrix, Lucentis, Avastin, Macugen & Ozurdex)
- PDT
- Barrage laser for retinal holes
Strabismus (squint) & Paediatric Ophthalmology

Our children's service covers all major types of eye condition. These include squints (strabismus) and lazy eye (amblyopia), refractive errors, problems with the eye socket, tear glands and lids, anophthalmia and microphthalmia (for children born without eyes or with very small eyes), cataracts, external and corneal diseases, genetic conditions, glaucoma, retinal disorders, and inflammatory eye conditions (uveitis).

Squint Surgery – Horizontal, vertical & oblique muscle surgeries Squint under GA

Nystagmus Surgery

Cornea

Cornea department mainly deals with the Congenital and hereditary cornea disorders, Corneal infections, Allergic eye diseases, Keratoconus and other corneal degenerations, Immunologic disorders of cornea, Ocular surface disorders including severe dry eye, blepharitis, chemical injuries, Stevens Johnson's syndrome, Ocular surface tumors, Refractive errors

C3R Normal
C3R with Hypotonic
Keratoplasty
Triple (Keratoplasty + Cataract)
Cor neo Scleral Tear Repair
Penetratingkeratoplasty
Lamellar corneal surgeries
Refractive corneal surgery
Ocular surface reconstruction surgeries
Collagen Cross Linking for keratoconus
General Ophthalmology & Cataract

This deals with the general eye problems, cataract and those that might need referral to one of our more specialist services.

- Phaco Emulsification Surgery (Cold Phaco with Micro Incision)
- Small Incision Cataract Surgery (SICS)
- Lens Removal
- Secondary IOL
- AC Wash
- All categories of Intra Ocular lenses (IOL) (Indian & Imported, Unifocal & Multifocal, Rigid & foldable)

Glaucoma

Glaucoma refers to a group of eye conditions that lead to damage to the optic nerve. In most cases, damage to the optic nerve is due to increased pressure in the eye, also known as intraocular pressure (IOP).

- Yag laser peripheral iridotomy
- Diode laser cyclophotocoagulation
- Incisional Surgeries
- Combined Glaucoma & Cataract Surgery
- Trabeculectomy with antimetabolites/Ologen
- Trabeculectomy + Trabeculotomy
- Glaucoma drainage device surgery

Orbit & Oculoplasty

Conditions treated by clinicians in this service include: watery eye; droopy eyelids; in-turning eyelids; misdirected eye lashes causing corneal abrasion; thyroid eye disease; orbital tumours and fractures; and facial and lid tics (for example, blepharospasm).

- Lid Suturing
- DCT
- Socket Reconstruction & Mucous Membrane Grafting
- Ptosis
- Entropion
- Blepharoplasty
- Tarsorrhaphy
- Neostigmine Test
- Evisceration
LASIK - REFRACTIVE SURGERY

The refractive surgery team uses precision laser eye surgery techniques and specialized lens implants to correct focusing problems such as short sight (myopia), long sight (hyperopia), irregular focus (astigmatism) and loss of reading vision (presbyopia).

We use the FDA, NASA & US Army approved iLASIK machine for the Lasik Surgery. The iLASIK platform, which we use in our institute, utilizes Advanced CustomVue technology with the Star S4 IR excimer laser system and WaveScan WaveFront system, as well as the IntraLase FS femtosecond laser.

- World’s most modern LASIK Technology (VISX & Femtosecond)
- Customized Treatment (Treatment accordance to structure of each eye)
- From low power to high power precise correction technology
- With help of most modern devices such as Pentacam, Wave scan avoid complexity of LASIK treatment
BEGIN A NEW VERSION OF VISION WITHOUT OBSTACLES

100% Blade-Free Lasik Treatment

NASA US Army & FDA approved Lasik Treatment

iLASIK 100% BLADE-FREE
Lasik Treatment

Experience life's moments in a clearer way with the iLASIK procedure.
Ocular Prosthetics

The team here fits and manufactures a complete range of custom-made ocular prostheses (artificial eyes).

Artificial eyes can be provided to people who have had their eye removed (enucleated or eviscerated) which is very rare, or to people who have damaged eyes, small eyes, or other eye-related conditions.

Eye Bank

The hospital functions as an operating centre of DARSANA EYE BANK, a joint venture of Dr. Tony Fernandez Eye Hospital, IMA Madhya Kerala, Kerala Action Force and Residents Associations. The Darsana Eye Bank is a charitable society and it is registered with the Eye Bank Association of India. The main purpose of the Eye bank is to procure and preserve eyes for corneal transplantation and to spread the message of eye donation among the people. It is well operated with experienced technicians and administration in the eye collection field.

Services Offered:
24 hours cornea collection
Eye donation promotion campaigns
Eye donation counseling
Eye bank contact Number: 9037400400
Low vision assessment (LVA)

Where good vision cannot be achieved with spectacles or contact lenses, patients can be assessed in our low vision clinic.

During a low vision assessment, one of our optometrists will perform an examination to identify any refractive errors (problems with focusing) and demonstrate low vision devices such as specialist spectacles, magnifiers or telescopes that could help you see better.

Optical Shop

Our dispensing opticians interpret the prescription created during a refraction test and advise on the best spectacle lens type and design to achieve the best possible visual and cosmetic outcome.

The range of frames that we stock is aimed at all age groups, taking into account current trends and fashions.

Contact Lens Clinic

We provide Contact Lens for Refractive errors, like Myopia, Astigmatism, Hypermetropia and Keratoconus.

- Soft CL
- Toric CL
- Kerasoft
- Rose K
- RGP (semi soft)

Counselling

We provide counselling services for emotional support, information and advice for patients and their relatives at the time of diagnosis, throughout treatment and during follow-up. This is a confidential, face-to-face service in which patients are seen for an initial assessment and then offered further input as appropriate.

Biochemistry Lab

This forms an important part of patient care and management. As the incidence of diabetes increases in the general population, the diagnostic laboratory plays a crucial role in diagnosis and control of diabetes in our patients. All the basic tests required in clinical biochemistry, clinical pathology, Serology and Hematology are being carried out. The laboratory is equipped with automatic biochemistry analyzer and accessories.
**DNB**

The National Board of Examinations has approved our hospital as an authorized centre for training DNB candidates. Every year we take 2 candidates (1 Primary and 1 Post Diploma) for training in ophthalmology.

**B.Sc Optometry**

Our hospital is one of the partner institutes of Bharathiar University, Coimbatore for training optometrists. Every year 30 seats are available for the B.Sc. optometry course and the admission is purely on the merit basis. Eligibility is Higher secondary or equivalent in science subjects. The duration of the course is 4 years including 1 year compulsory internship in the final year.

**Optical Fitter Course**

We also provide training in Optical Fitting. It is a short term (3 months) certificate course with practical orientation. Maximum 10 candidates can be trained in our institute at a time.
EQUIPMENTS & FACILITIES

CIRRUS HD-OCT 500
by Carl Zeiss for the management of Glaucoma, retinal and corneal disease.

The Alcon Accurus
Which is the state of the art system for complicated retinal surgery. This vitrectomy system is one of the most advanced system in this filed. It incorporates the 3D (dual dynamic drive) system and is compatible with 23 G and 25 G procedures.
Ophthalmic Laser
Nidek GYC-1000 Green Laser With Laser Indirect Ophthalmoscope.

Iridex Red Laser with Indirect Laser Delivery System
The Iridex Red Laser with endolaser delivery for delivery of laser during surgical procedures including vitrectomy and the Glaucoma G probe for diode laser cyclophotocoagulation.

Nidek Yag Laser
This state-of-the-art machine with both slit lamp and indirect system makes treating retinal lesions at any location possible with maximum effect. This is used in treating retinal conditions including diabetic retinopathy, proliferative retinopathy, macular pathologies and retinal breaks only to name a few.

Topcon Fundus Camera TRC 50 DX
For the diagnosis of condition in the retina and its blood supply by fluorescein angiography ICG and for retinal photography.
Corneal Collagen Crosslinking with Riboflavin (C3R)

Corneal collagen crosslinking with Riboflavin (C3R) is a new treatment for the stabilisation of keratoconus and in postlasik keratectasia where after the exposure of the cornea to Riboflavin dye the cornea is exposed to the special UV light.

The Pentacam HR
for the Corneal analysis and Lasik workup

Ocular Response Analyzer
for the management of Glaucoma and Corneal diseases

The Alcon Infinity Vision System
for advanced Cold Phaco Micro incision Cataract Surgery

Topcon Photo Slit Lamp
for better imaging and diagnosis
**Sonomed 5500 AB Scan**

The Sonomed 5500 combined A and B scan for finding out pathology in the posterior segment of the eye and also for calculating IOL power before cataract surgery.

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**Nidek Autorefractor**

For accurate prescription of glasses and to know the corneal curvature.

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**The Humphrey Field Analyzer HFA 720l**

Is for the recording of visual fields in Glaucoma and neurological conditions with the HFANET for networking. This has also got the latest for Glaucoma progression analysis called Guided Progression Analysis and Visual Field Index.

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**Corneal Topography System TMS - 4**
Moeller-Wedel (Haag-Streit) Hi-R 900 Surgical Microscope
- High Resolution Optics (apochromatic)
- Strong Red Reflex
- Quick Reaction of Zoom, Focus, and XY Movements
- Large Stereo Base (25 mm) for high depth perception
- Eye Protection Filters
- Power Zoom 1:6

Lense meters
- Huvitz HLM 7000 by Korea

Nidek LM 1000 by Japan
- For accurate verification of all types of spectacle lenses including progressive

Tonometers
- To measure the accurate Intra Ocular Pressure (IOP) at various groups and situations
- Reichert Tono-Pen
- Nidek Non Contact Tonometer
- Icare Rebound Tonometers
OUTSTANDING SURGEONS AT YOUR SERVICE

Ophthalmologists

Dr. Anabi Shahi MBBS, DO, DNB, MS (General Ophthalmology, Cataract, Medical Retina & UVEA)
Dr. Binu Balan MBBS, DOMS, DNB, FICO (Cataract, Squint & Paediatric Ophthalmology)
Dr. Deepthy Menon MBBS, DOMS, DNB (General Ophthalmology & Cataract)
Dr. Durga Prasad Nayak Y.G MBBS, MS (General Ophthalmology & Cataract)
Dr. Freddy J.T. Simon MBBS, MD, DNB, FRCS (Ed), FRCS (Glasg.) (Cornea, Cataract & LASIK)
Dr. Pratik Ranjan Sen MBBS, DO, MS (Vitreo Retinal Surgeon & Medical Retina)
Dr. Revathy Ramesh MBBS, DO, ICO (General Ophthalmology & Cataract)
Dr. Sonia K. Njavally MBBS, MS, Fellowship in Glaucoma (Glaucoma & Cataract)
Dr. Sheena Liz Mani MBBS, DO, DNB, FRCS (Vitreo Retinal Surgeon & Medical Retina)
Dr. Suchitra Ramanandam MBBS, MS, DNB (General Ophthalmology)

Dr. Tony Fernandez MBBS, MS, DD(LoN), FIMA, FRCS (Glasg.)
(General Ophthalmology, Cataract & LASIK)

Dr. E.J Mani MBBS, MS (General Ophthalmology)
Dr. T.P Ittyerah MBBS, MS, MPhil (Retina & Uvea)
Dr. E Ravindra Mohan MBBS (AIIMS, New Delhi), MD (AIIMS), FRCS (Ed) (Orbit & Oculoplasty Surgeon)
Dr. Jyothi K. MBBS, DO, Fellowship (TERF), MBA (General Ophthalmology & Cataract)
Dr. Rani Joseph MBBS, DO (General Ophthalmology)

Anaesthetists

Dr. Yvonne Fernandez MBBS, DA (Sr. Anaesthesiologist)
Dr. Rani John MBBS, DA (Anaesthesiologist)
Dr. Tony Fernandez
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Lasik Centre
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