

Vision Technician-I

Vision Technician is a primary eye care practitioner who is has undergone training for 2and more years in

- 1 Primary Eye care
- 2 Diagnosis & management of Visual focussing errors
- 3 Diagnosis & management of Visual alignment errors
- 4 Assist team of eye care professionals in providing eye care
- 5 Can organising eye camps and eye screening camps
- 6 Can run a optical shop
- 7 Can assist in various eye examinations & operations
- 8 Can provide health education
- 9 Can provide first aid in ocular emergencies

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Introduction to health care system

- Health care system
 - Primary
 - Secondary
 - Tertiary

Functions & responsibilities

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Introduction to health care system

- **Function of Hospital**

- Emergency care
- General OPD
- Specialised OPD
- Diagnostic centre
- Nursing care
- Physiotherapy
- Rehabilitation

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Introduction to health care system

- Primary
- Secondary
- Tertiary care
 - Role each level
 - Staff
 - Community
 - Infrastructure

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Introduction to health care system

- Role of Vision technician

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Introduction to health care system

- Various Eye care professionals
 - Optometrist
 - Ophthalmologist
 - Vision technician
 - Orthoptist
 - Perimetrist
 - Low vision specialist
 - Contact lens specialist
 - Ocularist
 - Ophthalmic nurse
 - Ophthalmic assistant

Introduction to health care system

- Visual need of Patient
 - Visual acuity
 - Various method of testing
 - Various grades of Vn
 - Correction of Vision
 - Importance of Pinhole
 - Follow up

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Introduction to health care system

- Examination of eye
 - Torch light exam
 - Slit lamp exam
 - Schirmer test
 - Tear break up test
 - Culture test
 - Retinoscopy
 - Ophthalmoscopy
 - FFA
 - OCT
 - IOP shioltz, Applanation, NCT, Tonopen
 - Electrophysiology-ERG, EOG, VER

Introduction to health care system

- Calibration

- Comparison of instrument with standard
- Removal or adjustment of error
- Various instruments for calibration
 - Autorefractor
 - Keratometer
 - Perimeter
 - OCT
 - Applanation
 - etc

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Introduction to health care system

- Visual field:- Assessment of perception of light in surrounding area when focusing at centre
 - Static perimetry-From non visible to visible threshold
 - HFA
 - Octopus
 - Kinetic perimetry-from non seeing to seeing area
 - Goldman

Assessment of periphery

Assessment of blind spot

Isopter

Scotoma

Introduction to health care system

- Optical coherent tomography
 - It help to get cross-sectional view of various layers of retina
 - Density of various cells
 - Haemorrhage
 - Metabolic waste
 - Dead cells
 - Gaps between the cells

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Introduction to health care system

- Auto refractor
 - Various principle
 - Schinlders principle
 - Badals principle
 - Various types
 - Process of doing examination
 - Calibration of AR

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Introduction to health care system

- Anatomy of Eye
 - Orbit
 - Eye lid
 - Eye lashes
 - Tear film
 - Cornea
 - Conjunctiva
 - Aqueous humor
 - Lens
 - Iris
 - Pupil
 - Ciliary body
 - Vitreous humor
 - Retina
 - Optic nerve
 - Visual pathway

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Introduction to health care system

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