

# **INTRODUCTION TO OPTOMETRIC INSTRUMENTS**

# objective

- To get familiar with Ophthalmic instruments such as Retinoscope, Indirect Ophthalmoscope, Direct Ophthalmoscope, and Slit Lamp, Haag-Streit., Photo-slit lamp, Lensometer, Tonometer, Fundus Camera etc

# INSTRUMENTS

- **Module I**

- Retinoscope,
- Indirect Ophthalmoscope,
- Direct Ophthalmoscope,
- Slit Lamp: Haag-Streit.,
- Photo-slit lamp,
- Lensometer.
- Lens gauge

- **Module II**

- Tonometer,
- Fundus Camera,
- External eye photography,
- Auto-refractometer

- **Module III**

- Corneal Examination-
- Placido disc
- Keratometer
- V KG
- Specular Microscopy
- Aesthesiometer

- **Module IV**

- Exophthalmometer,
- Perimeter–Manual & automated,
- Orthoptics Instruments –
- Haploscope/Home devices,
- Heidelberg Retino-tomography HRT -II.
- Perimeter – Manual & automated,
- Nerve fiber analyzer,
- Frequency doubling perimeter,
- Non Contact Tonometer

- **Module V**

- Heidelberg Analmascope,
- Pachometers,
- Contrast sensitivity tests,
- Glare acuity tests,
- Colour vision tests,

# Retinoscope

Retinoscope,

# References

- Clinical Ophthalmology – Borish
- Comprehensive ophthalmology - Jack J kanski