

Services offered by Optometry Clinic

1. Preliminary Examination

- ❖ Visual acuity (VA) assessment
 - Distance VA
 - Near VA
- ❖ Visual behavior in children: Fixation, following, objection to occlusion.
- ❖ External examination: Inspection of lids, adnexa, orbit.
- ❖ Pupillary evaluation: Size, shape, reactivity, RAPD.
- ❖ Ocular motility assessment: Versions, ductions, saccades, pursuits.
- ❖ Cover test: Detection of phoria/tropia.
- ❖ Confrontation fields: Gross visual field screening.
- ❖ Color vision: Ishihara
- ❖ Stereopsis: Titmus Fly, Randot, TNO.

2. Objective Refraction

- ❖ Retinoscopy: Static, dynamic.
- ❖ Autorefraction

3. Subjective Refraction

- ❖ Monocular subjective refraction.
- ❖ Binocular balancing.
- ❖ Final prescription (spectacles).

4. Binocular Vision & Accommodative Assessment

- ❖ Near point of convergence (NPC).
- ❖ Near point of accommodation (NPA).
- ❖ Amplitude of accommodation.
- ❖ Vergence facility.
- ❖ Accommodation facility.
- ❖ Maddox rod, phorometry (prism bar, synoptophore).

5. Slit Lamp Bio-microscopy

- ❖ Anterior segment evaluation: lids, conjunctiva, cornea, anterior chamber, iris, lens.

6. Tonometry

- ❖ Applanation tonometry (Goldmann, Perkins).
- ❖ Tonopen (portable).

7. Fundus Examination

- ❖ Direct ophthalmoscopy.
- ❖ Slit-lamp bio microscopy with fundus lenses (90D, 78D)
- ❖ Handheld Fundus Camera

8. Special Tests (as indicated)

- ❖ A- Scan: Measurement of axial length.
- ❖ Keratometry: Measurement of corneal curvature.
- ❖ Pachymetry: Corneal thickness (useful in glaucoma/refractive surgery).
- ❖ Amsler grid: Central field screening (macular disease).
- ❖ Contrast sensitivity: Pelli-Robson, VCTS.
- ❖ Electrophysiology: ERG, VEP.

9. Contact Lens Evaluation

- ❖ Tear film assessment (TBUT, Schirmer's).
- ❖ Trial lens fitting.
- ❖ Over-refraction.

10. Low Vision Assessment (if required)

- ❖ Magnification need assessment.
- ❖ Trial of low vision devices (spectacle, handheld, stand, electronic).

11. Patient Counseling & Prescription

- ❖ Spectacle prescription.
- ❖ CL prescription.
- ❖ Vision therapy plan (if binocular vision problem).
- ❖ Medical/surgical referral (if pathology found).
- ❖ Lifestyle and occupational advice.