

Patient Information

- **Name:** Mr. Arjun Sharma
- **Date of Birth:** 15-05-1959 (Age: 66)
- **Address:** 123, Green Street, Bangalore, India
- **Patient ID:** A-123456
- **Date of Report:** 04-08-2025

Reason for Consultation:

Mr. Sharma presents with a chief complaint of progressively blurred and cloudy vision, difficulty reading, and increased sensitivity to glare from headlights at night. These symptoms have been worsening over the past year, significantly impacting his daily activities, including driving and reading the newspaper.

Ocular History:

- **Past Ocular Surgeries:** None
- **Medications:** Uses artificial tears for mild dry eyes.
- **Family History:** Mother had cataract surgery in her late 70s.

Medical History:

- **Systemic Conditions:** Controlled Type 2 Diabetes Mellitus (since 2010), Hypertension (since 2015).
- **Allergies:** No known drug allergies.

Pre-Operative Examination and Test Results

- **Visual Acuity:**
 - **Right Eye (OD):** 20/80 (Uncorrected), 20/40 (Best Corrected with Pinhole Test)
 - **Left Eye (OS):** 20/50 (Uncorrected), 20/30 (Best Corrected with Pinhole Test)
- **Intraocular Pressure (IOP):**
 - **Right Eye (OD):** 16 mmHg
 - **Left Eye (OS):** 15 mmHg
 - *Note: Normal range is typically 10-21 mmHg. Values are within the normal range.*
- **Slit Lamp Examination:**
 - **Right Eye (OD):** Moderate to dense nuclear sclerotic cataract with some cortical spoke opacities. Fundus view is significantly obstructed.
 - **Left Eye (OS):** Early nuclear cataract, less dense than the right eye. Fundus view is clear.
- **Biometry (for Intraocular Lens Calculation):**
 - **Right Eye (OD):**
 - **Axial Length:** 23.50 mm
 - **K-readings (Corneal Curvature):** 44.5 D (Steep), 43.7 D (Flat)

- **IOL Power Calculation:** +21.0 D (Target Refraction: Plano)
- *Note: Biometry measurements are used to determine the correct power of the artificial lens (IOL) to be implanted during surgery.*

Diagnosis:

Visually significant **Cataract** in the right eye (OD). The cataract is primarily **nuclear sclerotic**, which is a common age-related condition. While a cataract is also present in the left eye, the symptoms and visual impairment are currently more severe in the right eye, warranting surgery.

Surgical Plan:

The patient is a candidate for **phacoemulsification** with intraocular lens (IOL) implantation for the right eye.