

## **Genetic counselling and testing for Eye Genetic disorders**

### **What are inherited eye genetic disorders?**

Eye disorders due to a mutation/mistake/error in a gene are called eye genetic disorders. Person with this disorder may or may not have a family history but, carries the risk of passing on the gene mutation to the next generation.

### **Who are referred to genetic counselling at the Gen-Eye clinic, Narayana Nethralaya (NN), Bangalore?**

1. Patients with eye genetic disorder
2. Family/relatives at a risk of developing heritable eye disorder
3. Couples planning to start their family and with family history of a genetic eye disorder

#### **What can you expect during your visit at the Gen-Eye clinic at NN?**

1. Drawing a pedigree/Family history
2. Genetic counselling [Pre-test genetic counselling]
  - a) Information about the genetic eye disorder and inheritance pattern
  - b) Information about the Genetic testing
  - c) Advantages of getting a genetic test done
3. Post-test genetic counselling (to discuss the genetic test report)

#### **Genetic Counselling and testing is provided for:**

Eye Genetic Disorders like

1. Retinal Dystrophies
2. Corneal Dystrophies
3. Optic Atrophy
4. Congenital glaucoma
5. Retinoblastoma

#### **Advantages of a Genetic Test:**

- ❖ For Patients:
  - Identification of the causative gene mutation
  - To know the mode of inheritance
  - Chances of passing the gene mutation to their children
  - Recent Research developments

#### **Whom to contact for an appointment for genetic counselling?**

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