

## Variations in chromosome structure

### Overview of chromosome structure and karyotype

- Definition of chromosome
- Structure of a chromosome
- Normal karyotype in human

### Chromosome abnormalities

- Chromosome abnormality, chromosomal anomaly, chromosomal aberration.
- Categories of chromosome abnormality
- Causes of chromosomal abnormalities
- What are outcomes of chromosomal abnormalities in humans?

### Structural chromosome abnormalities

- Definition
- Types

#### 1. Deletion

- Definition of deletion
- Types of deletion

#### 2. Duplication

- Definition of duplication

#### 3. Inversion

- Definition of inversion
- Types of inversion

#### 4. Translocation

- Definition of translocation
- Types of translocations

**Isochromosome and ring chromosome.**

**Hope we will enjoy the discussion!**