



# Genetic Disorders

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- Which of the following is an example of a Chromosomal disorder?
  - Cystic fibrosis
  - Huntington's disease
  - Down syndrome
  - Sickle cell anaemia
- Cystic Fibrosis (CF) is a genetic disease that mostly affects?
  - Brain and spinal cord
  - Liver and kidney
  - Lungs and Blood vessels
  - Lungs and Digestive System
- Down syndrome is caused by \_\_\_\_\_.
  - Missing 21st chromosome
  - An extra copy of chromosome 21
  - Deletion on chromosome 21
  - Mutation in the 21st chromosome
- Which of the following disorders follows an autosomal dominant inheritance pattern?
  - Huntington's disease
  - Tay-Sachs disease
  - Duchenne muscular dystrophy
  - Sickle cell anaemia
- Haemophilia is an example of \_\_\_\_\_.
  - Autosomal dominant disorder
  - Autosomal recessive disorder
  - X-linked recessive disorder
  - Mitochondrial disorder
- Klinefelter's syndrome is also known as \_\_\_\_\_.
  - XYY syndrome
  - XXY syndrome
  - XXX syndrome
  - YYY syndrome
- Gene therapy for genetic disorder aims to \_\_\_\_\_.
  - Replaced effective genes
  - Remove extra chromosomes
  - Delete the entire gene sequence
  - Block all gene expression
- Angelman syndrome and Prader-Willi syndrome are caused by abnormalities of which chromosome \_\_\_\_\_.
  - Chromosome 7
  - Chromosome 11
  - Chromosome 15
  - Chromosome 22
- Which of the following is an X-linked genetic disorder?
  - Cystic fibrosis
  - Duchenne Muscular Dystrophy
  - Huntington disease
  - Marfan syndrome
- Sickle cell anaemia affects which part of the body?
  - Lungs
  - Liver
  - Blood cells
  - Brain