

## Genetic Disorders Quiz PDF

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**What is the main focus of genetic counseling?**

- Diagnosing genetic disorders
- Offering information and support
- Conduct surgeries
- Prescribing medication

**Which genetic disorder is characterized by an extra chromosome 21?**

- Turner syndrome
- Klinefelter syndrome
- Down syndrome
- Cystic fibrosis

**What type of genetic disorder is Down syndrome?**

- Single-gene disorder
- Chromosomal disorder
- Multifactorial disorder
- Mitochondrial disorder

**Which disorder is caused by a mutation in mitochondrial DNA?**

- Hemophilia
- Leber's hereditary optic neuropathy
- Huntington's disease
- Turner syndrome

**What ethical considerations should be taken into account when conducting genetic testing on minors?**



**Which of the following is an example of a multifactorial disorder?**

- Hemophilia
- Diabetes
- Cystic fibrosis
- Huntington's disease

**What is the inheritance pattern of cystic fibrosis?**

- Autosomal dominant
- Autosomal recessives
- X-linked
- Y-linked

**Which disorders are associated with X-linked inheritance? (Select all that apply)**

- Hemophilia
- Cystic fibrosis
- Duchenne muscular dystrophy
- Turner syndrome

**Which of the following are types of genetic disorders? (Select all that apply)**

- Chromosomal disorders
- Infectious disorders
- Single-gene disorders
- Multifactorial disorders

**What are the main challenges in diagnosing multifactorial disorders?**

**How can lifestyle changes contribute to the management of multifactorial disorders?**

**Which tests are used for diagnosing genetic disorders? (Select all that apply)**

- Karyotyping
- Blood glucose test
- DNA sequencing
- Biochemical tests

**Describe the role of genetic counseling in managing genetic disorders.**

**What is the primary method for detecting chromosomal abnormalities?**

- Blood test
- Karyotyping
- MRI
- Ultrasound

**Which of the following are single-gene disorders? (Select all that apply)**

- Cystic fibrosis
- Sickle cell anemia
- Down syndrome
- Huntington's disease

**What are common symptoms of genetic disorders? (Select all that apply)**

- Developmental delays
- High blood pressure
- Physical abnormalities
- Metabolic issues

**Explain the difference between autosomal dominant and autosomal recessives inheritance patterns.**

**What are potential ethical issues related to genetic testing? (Select all that apply)**

- Genetic privacy
- Increased lifespan
- Genetic discrimination
- Implications of genetic modifications

**Discuss the potential impact of genetic discrimination on individuals with genetic disorders.**

**Which genetic disorder is associated with the X chromosome?**

- Cystic fibrosis
- Hemophilia
- Down syndrome
- Huntington's disease