

Genetic Disorders Presentation

Genetic Disorder: _____

Due: _____

You will present on a genetic disorder using PowerPoint. Your PowerPoint should serve as a visual aid to your oral presentation. The PowerPoint should not contain long sentences, paragraphs, or irrelevant images and information; it should be neat, organized and concise. Remember the PowerPoint slides should be used as a supplement to your presentation not be the main part of the presentation. You must show that you know and understand the information being presented and not merely read off the slides. You may include images and diagrams that can enhance your oral presentation and may also include a relevant video on the disorder. All of these aspects are part of your grade. This project will be graded as a test grade.

Your presentation must be written in your own words and include each of the following:

1. The name of your disease.
2. Describe the genetics of the disorder. For example:
 - a. Is it a gene mutation , a chromosomal mutation , or a result of non-disjunction?
 - b. State the chromosome number (autosome) that is affected or state if it is sex-linked (on a sex chromosome).
3. How many people are affected by the disorder?
4. Phenotypic characteristic: What are the phenotypic characteristics of someone with this disorder? If there are no phenotypic features, state that there are none.
5. What are the symptoms and complications?
6. What is the life expectancy of an individual with the disorder?
7. Are current treatments? If yes, how effective are they? If there are no current treatments include a description of what type of research is being done to find a treatment.
8. What are the support groups that exist for this disorder? List at least one support organization and describe what support they provide.
9. **Bibliography. A minimum of three sources are required from the library (catalog/databases, e-books, news articles, and/or journals).**

Recommended Sources

Gulliver Library: CREDO Reference

National Institutes of Health: <http://www.nih.gov/>

Genetics Home Reference: <http://ghr.nlm.nih.gov/>

Mayo Clinic: <http://www.mayoclinic.com/>

Duke Center for Human Genetics: <http://www.chg.duke.edu/index.html>

Merck Manual: <http://www.merckmanuals.com/home/index.html>

Genetic Disorders List

Achondroplasia	Marfan Syndrome
Alkaptonuria	Neurofibromatosis
Cystic Fibrosis	Oculocutaneous Albinism (Type I or II)
Ehlers–Danlos Syndrome Classical (Type I or II)	Osteogenesis Imperfecta
Fragile X Syndrome	Progeria
Hemophilia A	Sickle Cell Disease
Huntington’s Disease	Tay-Sachs Disease
Klinefelter Syndrome	Trisomy 21
Lou Gehrig’s Disease (ALS)	Trisomy X
Color Blindness	Turner’s Syndrome