

GENETIC DISORDER POWERPOINT ASSIGNMENT

Your assignment is to design a PowerPoint presentation to describe and discuss a specific genetic disorder. The information will be presented orally in class along with the PowerPoint slides.

The following information should be included in your presentation:

1. Briefly describe the disorder. Include:
 - characteristics
 - symptoms
 - age of onset
 - the rate of occurrence. How common?
 - What limitations does the person have?

Make sure you understand everything you are presenting. Do not use medical terminology you cannot describe.

2. Discuss any unusual or unique features of the disorder.
3. Explain the genetic basis for the disorder.
 - a. Is the disorder inherited?
 - b. Is it an autosomal inheritance or recessive?
 - c. Is the disorder a result of a mutation? Where?
 - d. Is the disorder a result of too many or too few chromosomes?
 - e. Is the disorder the result of a mutation on a gene? What gene?
4. What is the history of the disorder? Who discovered it? Are there any famous cases of the disorder?
5. Describe the prognosis for individuals with this disorder. What is it like to live with this disorder? What might their life span be?
6. How is the disorder diagnosed and are there any medical treatments available? Are there genetic tests available? Are there support organizations for people suffering from this condition?
7. What is the current research focus or gene therapy (if any) for this disorder?
8. Finally, provide a references slide in proper MLA format (at least 3 references).

9. Prepare a 1 page handout for the class that briefly summarizes your most important findings.

WEB SITES

Search these web sites for information. You may also want to try a web search on your own, but be sure to determine the authority of your source and only search from a know search engine.

Medline Plus Genetic Disorders

<http://www.nlm.nih.gov/medlineplus/geneticdisorders.html>

Links to the latest research on genetic disorders. Includes overviews.

Genetic Science Learning Center

<http://learn.genetics.utah.edu/units/disorders/>

Basic information on Genetic Disorders.

Yahoo! Directory of Genetic Disorders -

http://dir.yahoo.com/Health/Diseases_and_Conditions/Genetic_Disorders/

Links to information on many specific disorders

GETTING HELP FOR YOUR ASSIGNMENT

Citing Sources Using the Library MLA Style Guide

<http://kclibrary.nhmccd.edu/mlastyle.htm>

Citation helper

<http://www.easybib.com>