

Genetic Disorder Brochure Project

Objective/Overview

Create a tri-fold brochure using Microsoft Publisher for a doctor's office waiting room. The brochure should provide patients with information about a genetic disorder. You may use the website:

http://dir.yahoo.com/Health/Diseases_and_Conditions/Genetic_Disorders/ to find a genetic disorder although there are many more not listed. Assume that most of the patients of your audience are adults with a typical high school science background.

The brochure should be creative as well as informative. You want people to pick it up and read through it. Please refer to some of the samples for ideas on what a professional brochure looks like. Be sure to include accurate, up-to-date information and **two graphics** that illustrate important ideas. You should reference at least three sources of information on a separate "works cited" page to hand in along with your brochure.

Your brochure needs to include the following information:

- General background information about the disease.
 - Who does it affect? How is it inherited?
 - You may want to include a Punnett square that illustrates how the disease is inherited.
- Symptoms of the disease
- Cause of the disease
 - How is it inherited? What actually makes them sick? Type of inheritance? Type of gene mutation?
 - What are the affected structure(s)? organelles? Cells? Organs?
 - Is there a particular population that is affected?
 - Physiology of the disease: what do we know about the connection between DNA, gene expression, and a malformed protein, enzyme, or other
- Diagnosis
- What is the treatment or management of the condition?
 - To cure or extend life or relieve symptoms?
 - What life style changes must be made?
- What is the current research? Is there a cure coming soon?
- List any support groups - include contact information

Works Cited page

You will need to prepare, on a separate sheet with your name on it, a works cited page that identifies all sources used to make the brochure. You may use Noodletools found on the school's website or any other citation tool.

Resources

Center for Disease Control Genetic Information

<http://www.cdc.gov/genomics/default.htm>

International Birth Defects Information Systems

<http://www.ibis-birthdefects.org/>

Genetic Alliance

<http://www.geneticalliance.org/>

Medicine Plus

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

National Institute of Neurological Disorders and Strokes

http://www.ninds.nih.gov/disorders/disorder_index.htm

Health and Wellness Resource Center from Old Bridge Public Library

(you must have your Old Bridge Public Library Card #)

<http://infotrac.galegroup.com/itweb/obpl?db=HWRC>