

Genetic Disorder Brochure Project

Overview

Create a tri-fold brochure for a doctor's office waiting room. The brochure should provide patients with information about one of the genetic disorders listed below. 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. Be sure to include accurate, up-to-date information and graphics that illustrate important ideas. **You should reference at least four sources of information on a separate "works cited" page to hand in along with your brochure. (Google DOES NOT count)**

Procedure

You will research the genetic disorder of your choice and use the following questions. **as a guide**, to the type of information you will need for your brochure.

- ** What other names are there for this disorder? (Any common names?)
- ** What causes the disorder? (mutation, nondisjunction)
- ** What gene or chromosome is affected by this disorder? (X, Y, #21)
- ** Are there prenatal tests for this disorder?
- ** What are the symptoms?
- ** What population is affected? Can anyone be a candidate for the disorder?
- ** How is it inherited? (Is it sex-linked, recessive, and/or dominant?)
- ** What kind of medical assistance will the affected child need? Will further assistance be needed, as the child grows older? What is the long-term outlook for the child?
- ** Are there any treatments or cures?
- ** Could this disorder have been prevented?
- ** Can this individual have children in the future? Will those children be affected?
- ** What is the current status of research on this disorder? Is there a cure coming soon?

Brochure

After researching the disorder, make an informational pamphlet that could be given to patients. The pamphlet **must be no larger** than 8.5 x 11 unfolded. It must **fully inform** the reader of all issues pertaining to the genetic disorder. Again, use the questions provided to guide your research. Your brochure will be graded based on accuracy, completeness, and creativity. Visual representations (pictures, graphs, etc.) should be incorporated into the brochure.

Give credit for graphics you did not make.

Works Cited Page

You will need to prepare, on a separate sheet, a works cited page that identifies **all** sources used to make the brochure. **At least four sources are required** for this project. **More than four is acceptable, and encouraged!** (Be sure to use proper format; **do not just list websites**, list author, title, date, etc.)

List of Possible Genetic Diseases

Adrenoleukodystrophy
Albinism, oculocutaneous,
Alzheimer Disease, familial, type 5
Angelman Syndrome
Burkitt's Lymphoma
Cat Eye Syndrome
Cri-du-chat (Cat's Cry Syndrome)
Cystic Fibrosis
DiGeorge Syndrome
Down Syndrome (Trisomy 21)
Duchenne Muscular Dystrophy
Edwards Syndrome
Fabry Disease
Hemophilia A
Hemophilia B
Huntington's Disease
Jacobson Syndrome
Marfan Syndrome
Monsomy 9p or Alfi's Syndrome
Myotonic Dystrophy (Steinert Disease)
Neurofibromatosis
Patau Syndrome or Trisomy 13
PKU
Prader-Willi Syndrome
Retinitis pigmentosa
Rett Syndrome
Sickle Cell Anemia
Smith-Magenis Syndrome
Von Hippel-Lindau Syndrome
Wolf Hirschhorn Syndrome