GENETIC DISORDERS RESEARCH PAPER #1

The genetics research paper should have the following:

1. At LEAST FOUR (4) pages in length!!
2. TYPED, 12 point font, double spaced, proper grammar and spelling
3. Cover Page (1 page)
4. Introduction/ background, Mode of inheritance, Clinical description of the disorder, Treatment and Detection. (2 pages or more)
5. Works Cited/ References Page with at least 5 References, ONLY TWO FROM THE INTERNET. (1 page)
6. TO PREVENT PLAGERISM YOU MUST BRING AT LEAST TWO WRITTEN SOURCES WITH HIGHLIGHTS INDICATING USE.

Work Cited/Reference:
Citations should follow the standard MLA format used in your English courses.

Standard book
Author's Last Name, First Name. Title of Book.
City of Publication, State of Publication: Publisher, Copyright date.

Web-page
Last name of author, first. Name of page or home page. Date of latest revision. Date of access. Web address.

Periodical(magazine)
Last Name of Author, First Name. The Title of article in quotes. The Magazine or Newspaper in which the article was first published. the date of original publication. The date of access. The URL.

1. Introduction
   ➢ What is the name of the disorder? Are there any other names by which it is commonly known?
   ➢

2. Mode of inheritance
   ➢ All genetic disorders are inherited. There are several different ways in which they can be inherited. Determine whether your disorder is an autosomal dominant trait, an autosomal recessive trait, an X-linked recessive trait, a chromosomal error or a multifactorial trait (polygenic disorder). Chromosomal errors may take several types: a particular missing chromosome (e.g. a missing X chromosome), an extra chromosome (e.g. an extra chromosome 21), or a damaged chromosome (e.g. part of a chromosome deleted). A multifactorial disorder is one which is caused by several genes or by a combination of genetic and environmental factors.

3. Clinical description of the disorder
   ➢ What are the features of the disorder? How does it affect the victim? What is it like to have the disorder? How would you describe the disorder to someone else? What is the disorder like externally, internally, biochemically, psychologically, etc. What problems are associated with the disorder? Is the disorder physically limiting? Is it life-threatening? Is it invariably fatal? Is it found more commonly in certain groups of people, such as a particular ethnic or religious group or particular sex?
4. Treatment
   ➢ Can anything be done for the disorder? Can the basic defect be treated? Can the symptoms or results of the disorder be treated? Is there a cure for the disorder? Is there any gene therapy for the disorder?

5. Detection
   ➢ Can the disorder be detected before its symptoms appear? If so, how? Can it be detected prenatally? If so, how? Is there any way to detect a carrier of the disorder? If so, how?

YOUR DISORDER WILL BE SELECTED FROM THE LIST BELOW

1. Albinism
2. Achondroplasia
3. Alcoholism
4. Alzheimers
5. Breast cancer
6. Burkitt lymphoma
7. Cleft Lip/Palate
8. Colorblindness
9. Cooley's anemia
10. Cri-du-chat Syndrome
11. Cystic Fibrosis
12. Diabetes insipidus
13. Diabetes mellitus
14. Down Syndrome
15. Duchenne Muscular Dystrophy
16. Edward's Syndrome/Patau's Syndrome
17. Epidermolysis
18. Familial Hypercholesterolemia
19. Fragile X syndrome
20. G6PD (Glucose 6 phosphate dehydrogenase) Deficiency
21. Galactosemia
22. Gaucher's disease
23. Hemophilia
24. Huntington's Disease
25. Immune deficiency diseases (Boy in the bubble)
26. Klinefelter's Syndrome
27. Marfan Syndrome
28. Multiple Sclerosis
29. Neurofibromatosis
30. Osteogenesis Imperfecta
31. Parkinson's disease
32. Phenylketonuria
33. Pituitary dwarfism syndrome
34. Polycystic kidney disease
35. Polydactyl
36. Progeria
37. Sensorineural deafness
38. Sickle-Cell Anemia
39. Spina Bifida/Anencephaly
40. Tay Sachs Disease
41. Thalassemia
42. Turner's Syndrome

Sources:

Encyclopedias, Journals (Time, Newsweek etc.), WebMD, MEDLINE, Discoveryhealth.com, Ask Jeeves all of which you can get from the LIBRARY.

http://destiny.ocps.net then Dr. Phillips High OR
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