**Genetic Condition Brochure Guidelines (25 Points)**

**Due April 14th**

**Things to Include:**

Each disorder will vary slightly in available information. The following are general guidelines that should be considered and may or may not directly apply to your project, but if **it does not apply you must tell me that**! Feel free to include any additional information important to your disorder.

**Name of Disorder:** Common name ***and*** medical name.

**Description:** Describe disease characteristics

**Symptoms:** List of symptoms including visual and laboratory test indicators.

**Inheritance Pattern:** Describe the inheritance patterns (dominant/ recessive/ incomplete dominance/ sex-linked/autosomal). Provide an example of a cross illustrating the inheritance pattern.

**Pedigree or Karyotype:** Depending on how the disorder is inherited. Pedigree for a gene controlled disorder and karyotype for a chromosomal disorder.

**Geographic and/or Population Occurrence:** Is the disease found more commonly in specific geographical location, ethnic groups **or** equally distributed.

**Characterize the Typical Recipients:** Describe the typical patient when condition is first diagnosed/shows symptoms (e.g. age, sex)

**Statistical Information:** Describe the population occurrence of this disorder as a probability or percentage of individuals who have or carry the condition. **Treatment:** Describe the treatment options, it any, available to the person. Do any organizations provide assistance to the patients?

**Prevention:** Describe the prevention actions that may be taken, if any, to avoid this condition. Include if genetic counseling is appropriate for this condition.

**Current Research:** What is currently being done in the research field regarding this condition?

**Bibliography:** Bibliography must include a minimum of three sources. One source most must be within last five years. Enough information to return to the source!

**Brochure Tips:**

1. Information should be well organized and easy find (**use sub-headings**)

2. Brochure design is up to you but completely cover relevant information

3. Pictures, graphs, etc. MUST have captions and sources credited

4. Aim for something that looks ‘professional’ and is written for the general public

**Grading:**

See Grading Rubric:

|  |  |  |
| --- | --- | --- |
| Grading Criteria | Points Possible | Comments |
| Name of Disorder  | /1 |  |
| Description  | /2 |  |
| Inheritance Pattern and pedigree or karyotype  | /4 |  |
| Geographic/Population Occurrence  | /3 |  |
| Typical Recipient  | /3 |  |
| Treatment  | /3 |  |
| Prevention  | /1 |  |
| Current Research  | /2 |  |
| Bibliography  | /3 |  |
| Name  | /1 |  |
| **Turning in this rubric**  | /1 |  |
| Spelling/formatting/grammar  | /1 |  |
| Total  | /25 |  |