

Integumentary Disease/Disorder

Your task will be to produce a thorough presentation on one human integumentary disease/ disorder. You may produce a PowerPoint presentation, poster board, brochure or other media (Please get approval). The final form of presentation you choose will need to include all the elements listed in this rubric.

The following elements are necessary for a complete presentation:

I. An introduction to the disease which will include a short statement on each of the following topics: (30 pts.)

1. The nature of the disease (what is the definition of this disease).
2. The cause of the disease (typically a pathogen, although you may have a genetic disease).
3. The prevalence of the disease (How many people are affected by the disease).
4. The range of the disease (How is this disease distributed worldwide).
5. The severity of the disease (How "bad" is the disease? Is it fatal? How many people who catch the disease actually die of this disease, are permanently scarred, etc.?)
6. Any other interesting facts about the disease.

II. If your disease is caused by a pathogen (bacteria or virus): (20 pts.)

1. An illustration, animation or photograph of the pathogen
2. An illustration, animation or photograph of the appearance of any diseased organ or body part.
3. The typical life-cycle of the pathogen.
4. How the disease is transmitted in humans.
5. What other human systems does the disease affect, does it affect more than the integument?

If your condition is a genetic disorder

1. An illustration, animation or photograph of the appearance of any diseased organ or body part
2. How is the disease inherited (dominant, recessive; autosomal, sex-linked, polygenic)? Show a pedigree tracing the disease.
3. What other human systems does the disease affect, does it affect more than the integument?

If your condition is caused by environmental (or other) factors

1. An illustration, animation or photograph of the appearance of any diseased organ or body part
2. What factors cause the condition?
3. How do these factors lead to the condition?
4. What other human systems does the disease affect, does it affect more than the integument?

III. The immunological response to the disease. (20 pts.)

1. How the immune system responds to the disease?
2. How long does the immune system take to respond?

If your condition is a genetic disorder

1. Does the immune system respond to the disorder?
2. Are there different types of this disorder? How do they differ (inheritance, severity)?

IV. How the disease is diagnosed and treated including: (20 pts.)

1. Typical symptoms
2. Prevention of the disease
3. Medical treatments including:
 - a. Modern medicine or drug therapies
 - b. Vaccines
 - c. Cutting-edge research

- d. The course of the disease and its prognosis. (What is the typical fate of the individual who catches this disease?)

V. Fully annotated bibliography (10 pts.)

Remember:

You will be presenting to your classmates

Grammar is important

Due: October 13, 2015