Week 8 Assignment 6

1. Choose a disease that is shameful. Consider an incurable disease. Choose a disease that is treatable.

2. The cell culture from which a particular patient's tumor was derived is grown in a T25 flask. What is the maximum number of cell passages that can be performed on this cell culture?

3. Determine the size of the vehicle's inner diameter. What is the size of the vehicle's inner diameter?

4. What is the role of the lymphatic system in the body's defenses against infection?

5. The average age of the patients in the study is 42 years. What is the average age of the patients in the study?

6. Define a phenotype and explain how it is determined.

7. A patient is referred to a specialist for evaluation. What is the most likely reason for this referral?

8. What is the role of the immune system in protecting the body from pathogens?

9. How do vaccines stimulate the immune system to respond to pathogens?

10. What are the advantages of having a strong immune system?

11. Explain the role of T cells in the immune response.

12. Discuss the importance of vaccination in preventing disease.

13. What is the role of the spleen in the immune system?

14. Name three types of white blood cells and describe the role of each in the immune response.

15. Describe the process of antigen presentation and how it leads to an immune response.

16. What is the role of the lymphatic system in the body's defenses against infection?

17. How does the immune system distinguish between self and non-self?

18. What is the role of the thymus gland in the development of the immune system?

19. Explain the concept of immunological tolerance and how it prevents autoimmunity.

20. What are the potential risks associated with vaccinations?