



Patho/Pharm II Review: Cancer

1. Define the following terms:

- Cancer

- Tumor

- Metaplasia

- Dysplasia

- Neoplasia

- Tissue invasion

- Metastasis

2. Describe the differences between benign and malignant tumors.

3. What are cancer markers? Name five cancer markers.

4. What are the six hallmarks of cancer cells?

5. What four types of genes influence cancer formation?
6. Describe the three stages of carcinogenesis.
7. What are protooncogenes? And what are the four ways they can become cancer genes?
8. What is telomerase and why is it important to cancers?
9. Name five factors that can increase the likelihood of a person developing cancer?
10. List five environmental factors.
11. What are the four most common sites for metastasis

12. Describe the system of staging carcinomas.

13. Describe neoplasm-host interaction.

14. What are the clinical manifestations of cancer (seven at least)

15. What kind of problem is cachexia?

16. Why is chemotherapy so toxic? What cells/body parts are most likely to be affected?

17. Why is chemotherapy given in rounds?

18. What other treatments are used for cancer?

19. What immunotherapy options are available?

20. What are the side effects of cancer treatment?

21. What are the seven classic warning signs for cancer?

22. How can cancer be screened?

23. What is the gold standard for cancer diagnosis?

24. What is leukemia? What are the four types? How are they different?

25. Which leukemia is most common in children?

26. What treatments is most common among all the leukemias?

27. What is myeloma?