Chapter 116:

LEARNING OBJECTIVES

On completion of the chapter, the reader will be able to:

1. Identify known environmental risk and genetic factors associated with melanoma.

2. Outline the pathogenesis of melanoma.

3. Describe the common clinical features of melanoma using the mnemonic ABCD.

4. Discuss strategies for early detection and prevention of melanoma.

5. Summarize current staging criteria for melanoma and how they correlate with prognosis.

6. Discuss the role of interferon alfa in the treatment of patients with metastatic melanoma including appropriate adverse effect management strategies for its use.

7. Discuss the role of aldesleukin therapy in the treatment of patients with metastatic melanoma including appropriate adverse effect management strategies for its use.

8. Discuss the current role of chemotherapy, biochemotherapy, and vaccines in the treatment of a patient with melanoma.

9. Describe the advantages and disadvantages of ipilimumab for the treatment of metastatic melanoma including appropriate monitoring and adverse effect management strategies for its use.

10. Discuss the rationale for the use of BRAF inhibitors in the treatment of patients with metastatic melanoma.

11. Formulate an appropriate treatment plan for a patient with metastatic melanoma based on genetic- and disease-related factors.