Chapter 115:

LEARNING OBJECTIVES

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

1. Review the epidemiology, tumor histology, and molecular pathogenesis of renal cell carcinoma (RCC).
2. Describe the pathophysiology of RCC with a focus on the roles of Von Hippel-Lindau (VHL) and hypoxia inducible factor (HIF).
3. Compare and contrast historical treatments for RCC with newer targeted drug therapy in terms of mechanism of action, methods of administration, adverse effects, and efficacy.
4. Describe the mechanistic approaches by which targeted small molecule inhibitors interfere with the pathophysiology of RCC.