LEARNING OBJECTIVES

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

1. Describe the natural processes of the liver that predispose it to bioactivation of drugs and other ingested substances into toxic agents.
2. List drugs that are susceptible to bioactivation.
3. Identify patients who may be at greater risk for bioactivation to toxic intermediaries.
4. Describe the patterns that characterize the different clinical presentations of drug-induced liver disease.
5. Detail the mechanisms and presentation of acetaminophen overdose.
6. Give two examples of drug-induced liver disease presentations that are significantly determined by genetic polymorphism.
7. Given a particular set of signs and symptoms list the laboratory tests needed to differentiate an acute drug-induced liver disease episode.
8. Given a drug and a patient outline a monitoring plan to assess possible liver injury.
9. List environmental and other toxins that may play a role in predisposing a person to liver injury from drug therapy.