Chapter 6:

LEARNING OBJECTIVES

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

1. Outline the epidemiology of coronary and ischemic heart disease (IHD) and discuss trends in disease development from the perspective of gender and age.

2. List the major determinants of myocardial oxygen demand and factors that control coronary blood flow.

3. Describe the clinical presentation of IHD including symptoms, signs, abnormal laboratory tests, and principal tests that are done for diagnosis.

4. List the major risk factors for IHD and outline targets for management.

5. Develop a treatment plan for each risk factor including monitoring for efficacy and adverse effects.

6. Describe a rationale for pharmacologic intervention in exertional angina to include antiplatelet therapy and antiischemic therapy ($\beta$-blockers, nitrates, and calcium channel blockers).

7. List goals for and outline monitoring parameters for pharmacologic therapy in exertional angina.

8. Describe the role of revascularization in IHD including the current recommendations for angioplasty and coronary artery bypass grafting.


10. Describe how therapeutic outcomes can be evaluated in exertional angina.