LEARNING OBJECTIVES

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

1. Describe the incidence of open-angle glaucoma.
2. Describe the symptoms of open-angle glaucoma.
3. Differentiate between open-angle and closed-angle glaucoma.
4. Discuss the optic disc changes commonly seen in glaucoma.
5. Describe the production and outflow of aqueous humor.
6. Describe the effect of glaucoma medications on aqueous humor production and outflow.
7. Discuss the relationship between intraocular pressure and visual field loss in glaucoma.
8. Discuss the therapeutic goals of glaucoma therapy.
9. List the medications considered “first line” for open-angle glaucoma.
10. Describe the common systemic side effects of ophthalmic β-blockers.
11. Describe the use of combination therapies in glaucoma.
12. Describe the proper method for administration of ophthalmic medications.
13. Describe the technique and purpose of nasolacrimal occlusion.
14. Describe the therapeutic approach to the acute angle-closure glaucoma.
15. Describe the importance of patient adherence to the success of glaucoma therapy.
16. List medications with high risk for exacerbation of open-angle glaucoma.
17. List medications with high risk for exacerbation of closed-angle glaucoma.