

2016-2017 Basic and Clinical Science Course, Section 2: Fundamentals and Principles of Ophthalmology (Basic & Clinical Science Course (BCSC))

By American Academy of Ophthalmology

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Provides the essential scientific grounding for current ophthalmic practice. Discusses ocular anatomy, embryology, biochemistry and metabolism in the eye, and ocular pharmacology. Features comprehensive updates to the genetics chapters, including an overview of appropriate uses for the latest genetic techniques.

Upon completion of Section 2, readers should be able to:

*Identify the bones making up the orbital walls and the orbital foramina
*Identify the biochemical composition of the various parts of the eye and the eye s secretions
*Demonstrate how appropriate diagnosis and management of genetic diseases can lead to better patient care
*Describe the features of the eye that facilitate or impede drug delivery
*Describe the mechanisms of action of antibiotic, antiviral, and antifungal medications
*Discuss the anesthetic agents used in ophthalmology

Last major revision: 2014 2015
Section chair: Lawrence M. Levine, MD

Print: 430 pages

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