



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

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

CME Information

The American Academy of Ophthalmology is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The American Academy of Ophthalmology designates this enduring material for a maximum of 10 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The American Medical Association requires that all learners participating in activities involving enduring materials complete a formal assessment before claiming CME credit. To assess your achievement in this activity and ensure that a specified level of knowledge has been reached, a posttest for this section of the Basic and Clinical Science Course is provided. A minimum score of 80% must be obtained to pass the test and claim CME credit. Visit CME Central for more information.

About the BCSC

The Academy's Basic and Clinical Science Course™ (BCSC®) is ophthalmology's definitive compilation of scientific research and clinical experience. It is continually updated by a faculty of more than 80 expert ophthalmologists. Each of the 13 volumes includes fundamental clinical knowledge; numerous tables, photos and illustrations; self-assessment questions with answers; and opportunities for earning AMA PRA Category 1 Credit™.

Beginning with the 2013 2014 edition, the Academy and the European Board of Ophthalmology (EBO) have partnered to make the BCSC the standard text for all European ophthalmology training programs. The EBO now recommends the BCSC as the primary educational resource for European trainees and ophthalmologists studying for the annual EBO Diploma Exam.

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