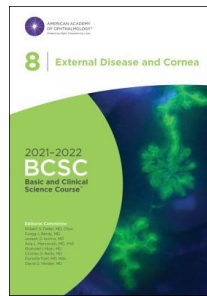


EXTERNAL DISEASE AND CORNEA (Basic and Clinical Science Course 2021-2022)



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DESCRIPTION:

Major revision

The Academy's Basic and Clinical Science Course is ophthalmology's definitive source of clinical information. Practicing ophthalmologists and residents worldwide use the BCSC® to ensure the highest-quality patient care. Lean on the 100+ ophthalmologists who target the most beneficial clinical updates for this key ophthalmic reference each year.

Section 8 discusses the structure and function of the cornea and external eye and reviews relevant examination techniques.

It covers the latest statistics on indications for corneal transplants from the eye bank Association of America. Covers infectious and ocular surface diseases disorders and surgery of the ocular surface immune-mediated and neoplastic disorders and congenital anomalies and degenerations. A chapter on the diagnosis and management of corneal dystrophies reflects the IC3D classification of the dystrophies according to a template consisting of clinical, pathologic, and genetic information. Toxic and traumatic injuries and corneal transplantation are also reviewed.

Interactive elements throughout the text help to build your knowledge and include a new activity on corneal layers and corresponding confocal images an animation demonstrating the development of the cornea and a corneal ectasia case study. Eleven original narrated technical videos demonstrating select surgical techniques, including animations will also aid your understanding. Print users have access to the videos.

This major revision also covers new diagnostic imaging technologies, endothelial replacement surgery updates and best practices for sebaceous cell carcinoma early recognition and treatment.

Upon completion of Section 8, readers should be able to:

- Explain the overall strategy, examination, and technology used for systematic evaluation of the cornea and the external eye.
- Describe the basic principles and the clinical approach to the diagnosis and treatment of viral, bacterial, fungal, and parasitic keratitis.
- List the risk factors, clinical signs, and breadth of management options of corneal ectasia.
- List the risk factors, diagnosis, and treatment of neoplastic disease of the cornea and the external eye.
- Identify unique clinical features that help differentiate the more common corneal dystrophies and describe an appropriate management strategy for each.
- Identify the common corneal manifestations of systemic disease and describe their treatments.

CONTENTS:

- 1 Structure and Function of the External Eye and Cornea
- 2 The Approach, Techniques, and Devices for Examination of the External Eye and Cornea
- 3 Clinical Approach to Ocular Surface Disease
- 4 Eyelid, Conjunctival, and Corneal Conditions Associated With Ocular Surface Disorders
- 5 Therapeutic Interventions for Ocular Surface Disorders
- 6 Congenital Anomalies of the Cornea and Sclera
- 7 Clinical Approach to Degenerations and Depositions of the Conjunctiva, Cornea, and Sclera
- 8 Diagnosis and Management of Corneal Dystrophies
- 9 Clinical Approach to Corneal Ectatic Disease
- 10 Systemic Disorders With Corneal and Other Anterior Segment Manifestations
- 11 Infectious Diseases of the Cornea and External Eye: Viral Infections
- 12 Infectious Diseases of the Cornea and External Eye: Bacterial, Fungal, and Parasitic Infections
- 13 Diagnosis and Management of Immune-Related Disorders of the Cornea and External Eye
- 14 Clinical Approach to Neoplastic Disorders of the Conjunctiva and Cornea
- 15 Clinical Aspects of Toxic and Traumatic Injuries of the Anterior Segment
- 16 Clinical Approach to Corneal Transplantation

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