

SPECIAL SENSES

ANATOMY OF THE EYE

Special Senses | Anatomy of the Eye

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Medical Editor: Sohani Kashi Puranic

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- I) OVERVIEW
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I) OVERVIEW

- The eye is the organ of sight. It resembles a camera in its structure.
- The various structures in the eyeball, from anterior to posterior are:
 - Cornea, Sclera
 - Anterior chamber
 - Pupil, Iris
 - Posterior Chamber
 - Ciliary body
 - Lens
 - Posterior segment
 - Choroid
 - Retina
 - Optic Nerve
- These structures are discussed in detail below

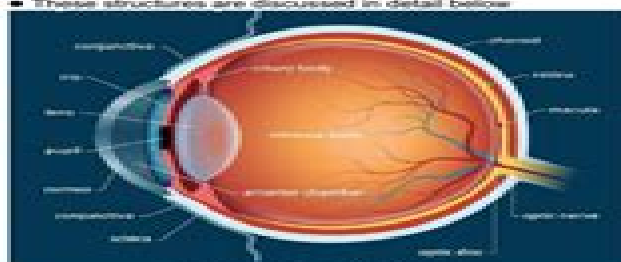


Figure 1: Anatomy of the Eye
(anterior-posterior view)

II) CHAMBERS & SEGMENTS OF THE EYE

(A) ANTERIOR SEGMENT

(1) Anterior Chamber

- Between Cornea & Iris

(2) Posterior Chamber

- Between Iris & Lens

(B) POSTERIOR SEGMENT

- Between Lens & Retina
- Filled with Vitreous Humour

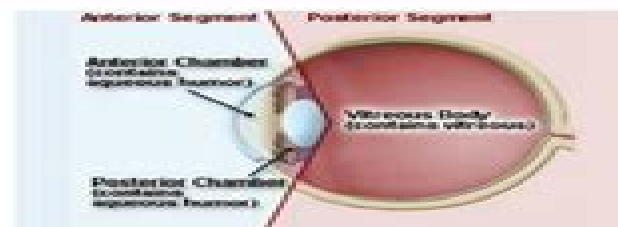


Figure 2: Chambers and Segments of the Eye
(anterior-posterior view)

III) TUNICS OF THE EYE

(A) FIBROUS TUNIC

(1) Sclera

- Layers:

- (i) Epithelium
 - Outermost layer
 - Dense irregular fibrous connective tissue
- (ii) Sclera proper
 - Middle layer
 - Collagen
- (iii) Lamina fusca
 - Innermost layer
 - Pigmented

- Clinical correlation:

- Jaundice
 - Yellow discoloration of sclera
 - Prominent in Gilbert's disease



Figure 3: Jaundice
(sclera)

(2) Cornea

- Layers:

- (i) Epithelial layer
 - Outermost layer
 - Nociceptors (pain receptors)
- (ii) Bowman's membrane
- (iii) Stromal layer
- (iv) Descemet's membrane
- (v) Endothelial layer
 - Innermost layer
 - Provides little blood supply for nutrition



ANATOMY OF THE EYE

SPECIAL SENSES: Nose (1)

9/6/2021

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Anatomy And Physiology Eyes And Ears Packet

**Bruce J. Colbert, Jeff Ankney, Martin
Steggall, Karen T. Lee, Maria Dingle**



Anatomy And Physiology Eyes And Ears Packet:

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Emergency Care and Transportation of the Sick and Injured Advantage Package American Academy of Orthopaedic Surgeons (AAOS), 2021-02-12 Since 1971 *Emergency Care and Transportation of the Sick and Injured* has advanced how EMS education is delivered to help train exceptional EMS professionals around the globe

The Medical Times and Gazette, 1855

Anatomy and Physiology for Nursing and Health Professionals Bruce J. Colbert, Jeff Ankney, Martin Steggall, Karen T. Lee, Maria Dingle, 2009 This is the first *Anatomy and Physiology A* together the text and website will take you on an exciting and interactive journey through the structure and functions of the human body Aimed specifically at students and those returning to nursing this book should dispel any fears It informs the reader of the key facts but the authors are mindful not to overwhelm their readers nor to over burden with detail It is an ideal book to have close by for anyone studying nursing Recommended Karen Smyth Nursing Student University of Ulster THES Feb 2010 At last a good text adapted for the UK market Having listened to the pronunciation guide I am happy now to recommend this text Good points case studies linked to UK practice I like the combination approach the study skills advice the targetting of learning theory to learning A P including adrenaline with epinephrine in brackets interspersing calculations as exercises good test activities good reading for intro to A P ch 2 good references eg ch3 good reference to child infant for burn estimation good clinical application eg assessing peripheral perfusion activity pinching nail good to see photographs Penny Goacher School of Nursing and Midwifery University of East Anglia This fabulous book presents anatomy and physiology in a visually stimulating way taking readers on a journey through what many view as a complex maze of systems It embraces a variety of approaches to learning with chapters on the body systems sections on learning the language of anatomy reading the body map biochemistry and study skills The information is presented in a way that makes this book invaluable Valerie McGurk practice development facilitator paediatrics Northampton General Hospital NHS Trust reviewed in Nursing Standard magazine July 7 13 2010 edition

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web publication dates janvier 1950 present number of issues published 56 1 4 aventures de spirou et fantasio 56 la mort de spirou color couleur

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web toujours accompagné de son ami fantasio et de spip son écureuil fétiche spirou combat des méchants de tout poil aux quatre coins de la planète c'est ainsi qu'il luttera contre le terrible savant zorglub ou le malfaisant pirate john hélène qu'il affrontera mafia italienne et triades chinoises à new york ou qu'il ira percer en

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de couleurs les plus vives l'odyssée misérable de l'honnête voleur valentin mollet

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