Topic #1: Describe the anatomy of the eye and the visual system

This post describes the ophthalmology learning objectives for ocular anatomy that are covered on the Medical Council of Canada Qualifying Examination (MCCQE). The resources presented here should be sufficient to help you pass the MCCQE exam and have a basic understanding of ocular anatomy.

Learning Objectives

1(a): List the important structures of the eye

- External eye and adnexa
- Conjunctiva
- Sclera
- Cornea
- Anterior chamber
- Ciliary body and aqueous drainage system
- Iris
- Lens
- Optic nerve
- Retina
- Extraocular muscles

1(b): Describe the location and function of these structures

1(c): Describe the anatomy of the entire visual pathway

Primary resources

These video resources cover learning objectives a-c, meeting all of the learning objectives.

- Eyeball anatomy (AnatomyZone): https://youtu.be/7lBtlGvS1Gc
  - Objectives a and b
- Extraocular muscles (AnatomyZone): https://youtu.be/f_rb6FMVHPk
  - Objectives a and b
- Eyeball blood supply (AnatomyZone): https://youtu.be/_aGL9dU-Lnk
  - Objectives a and b
- Visual Field Defects and Optic Nerve Pathway (Rhesus Medicine): https://youtu.be/2ZbFBlwWm3Q
  - Objective c

Additional resources

These resources provide more comprehensive information about all learning objectives, and will allow you to expand on your understanding.

- Eye anatomy (American Academy of Ophthalmology): https://www.aao.org/eye-health/anatomy/parts-of-eye
    - Objectives a and b
- Anatomy of the Human Eye (Master Eye Associates): https://www.mastereyeassociates.com/eye-anatomy
    - Objectives a and b

Other Undergraduate Medicine Resource Pages

Topic #2: Perform a basic eye exam

Topic #3: Evaluate a patient with acute vision loss

Topic #4: Evaluate a patient with chronic vision loss

Topic #5: Evaluate a patient with a red or painful eye

Topic #6: Evaluate a patient with eye trauma

Topic #7: Evaluate a patient with an eye movement abnormality, diplopia, or pupillary disorders

Topic #8: Evaluate pediatric ophthalmic presentations

Topic #9: Ocular Pharmacology

Topic #10: Evaluate a patient with ocular manifestations of systemic disease