

CanMEDS Rotation Objectives – Ophthalmology Elective

RCPS Emergency Medicine Residency Program

Department of Emergency Medicine

University of Alberta

**While all objectives may not be accomplished in a single rotation, the aim is for the resident to actively seek learning opportunities to fulfill these objectives while on a particular rotation. Many of these objectives will overlap with other rotations. By the end of the residency program, all objectives should be covered.*

Medical Expert

The learner should:

- Develop a systematic approach to examination of the eye
- Develop competence with slit lamp examination:
 - Assessment of the anterior chamber
 - Assessment of the cornea with and without fluorescein
- Develop understanding of examination of:
 - Intraocular pressures, including:
 - Significance of abnormal measurements
 - Contraindications to measuring
 - Fundi (Note: recognizing methods of assessment of fundi and IOP are different in ophthalmology vs emerg)
- Develop differential diagnoses of common ophthalmologic presentations (red eye, loss of vision)
- Develop understanding of common medical ocular disorders, including:
 - Iritis/uveitis
 - Glaucoma
 - Corneal ulcers/abrasions
 - Conjunctivitis/UV keratitis
 - Scleritis/episcleritis
 - Posterior vitreous detachment/retinal detachment/retinal hemorrhage
 - Optic neuritis
 - Common disorders of the eyelid and lacrimal ducts
 - Retinal arterial and venous occlusions
- Develop understanding of common traumatic ocular disorders, including:
 - Foreign bodies and rust rings (including techniques for safe removal)
 - Subconjunctival hemorrhage
 - Hyphema
 - Corneal abrasions/ulcers
 - Traumatic mydriasis
 - Iridocyclitis/iridodialysis
 - Globe rupture
 - Retinal detachment/hemorrhage
- Develop understanding of chemical exposures to the eye, including:
 - Measurement and significance of pH measurements
 - Principles of eye irrigation
 - Basic understanding of caustic chemicals

- Understand common medications used in ophthalmology, including indications and contraindications

Communicator

The learner should develop communication skills to:

- Communicate effectively with patients and families
- Keep accurate and efficient records

Collaborator

The learner should strive to:

- Recognize the roles of and interact effectively with other physicians and health care workers
- Make appropriate and timely referrals as part of management of the patient's ophthalmologic condition

Leader

The learner should strive to:

- Develop awareness of appropriate use of health care resources
- Develop team leadership skills

Health Advocate

The learner should strive to:

- Understand when and how to advocate appropriate on behalf of patients
- Understand the determinants of health and their impact on patients

Scholar

The learner should develop:

- Awareness of current literature as it applies to emergency ophthalmology
- The ability to apply current literature into daily practice

Professional

The learner should:

- Demonstrate integrity and honesty
- Demonstrate compassion and respect in all patient encounters
- Learn and apply ethical principles appropriately
- Be aware of personal limitations and seek assistance when appropriate