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:
  o Assessment of the anterior chamber
  o Assessment of the cornea with and without fluorescein
• Develop understanding of examination of:
  o Intraocular pressures, including:
    ▪ Significance of abnormal measurements
    ▪ Contraindications to measuring
  o 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:
  o Iritis/uveitis
  o Glaucoma
  o Corneal ulcers/abrasions
  o Conjunctivitis/UV keratitis
  o Scleritis/episcleritis
  o Posterior vitreous detachment/retinal detachment/retinal hemorrhage
  o Optic neuritis
  o Common disorders of the eyelid and lacrimal ducts
  o Retinal arterial and venous occlusions
• Develop understanding of common traumatic ocular disorders, including:
  o Foreign bodies and rust rings (including techniques for safe removal)
  o Subconjunctival hemorrhage
  o Hyphema
  o Corneal abrasions/ulcers
  o Traumatic mydriasis
  o Iridocyclitis/iridodialysis
  o Globe rupture
  o Retinal detachment/hemorrhage
• Develop understanding of chemical exposures to the eye, including:
  o Measurement and significance of pH measurements
  o Principles of eye irrigation
  o 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