

NCLE Advanced Contact Lens Review

Domain IV - Routine and
Emergency Follow-up Visits
(17%)



Presented by the National Federation of
Opticianry Schools

Professor Robert J. Russo

Time: 8:30 AM - 9:30 AM

EYE SYMPTOMS and EMERGENCY FOLLOW-UP
NCLE Advance Review
Domain IV
Professor Robert J. Russo

Patient Complaint: Sudden Loss of Central or Peripheral Vision in One Eye

Possible Cause:

1. Central Artery (Hypertension, Arteriosclerotic Disease) or Vein Obstruction (Diabetics)
2. Massive Vitreous or Retinal Hemorrhage
3. Detached Retina (Macula Area)
4. Optic Nerve Inflammation (Neuritis)

Patient Complaint: Flashes of Light, Sparks, Seeing Stars, Increase in Floaters, “Wavy” or “Watery Vision”, A Gray Curtain moving across your field of vision.

Possible Cause:

1. Pressure, Inflammation of the Retina, Optic Nerve
2. Impending Detachment of the Retina (High Myopia)

Patient Complaint: Sudden Occurrence of Strings, Spots, Cobwebs

Possible Cause:

1. Opacities by ruptured Retinal cysts
2. Small blood vessel leaks near Retina
3. Impending Retinal detachment
4. PVD – Posterior Vitreous Detachment

Patient Complaint: Diplopia or Double Vision

Possible Cause:

1. Trauma
2. Neurological Abnormality
3. Possible spike in uncontrolled sugar in Diabetic patients
4. Uncorrected refractive astigmatism

Patient Complaint: Colored Rays or Circles surrounding lights (Halos)

Possible Cause:

1. Elevated Intraocular Pressure
2. Corneal Edema
3. Opacities in the Crystalline Lens

Patient Complaint: Pain in Eyes

Possible Cause:

1. Foreign Body
2. Ingrown Lashes
3. Inflammation of the Cornea
4. Abrasion of the Cornea
5. Microcystic Edema

Patient Complaint: Deep Seated Aching, Throbbing Pain

Probable Cause:

1. Inflammation of the Anterior Uveal Tract (Iritis, Neuritis, Sinusitis)

Patient Complaint: Tenderness, Pain on Pressure

Possible Cause:

1. Lid Inflammation (Stye, Chalzion, Conjunctivitis, Foreign Body)

Sensitivity to Light “Photophobia”

Possible Cause:

1. Foreign body
2. Abrasion of the Cornea
3. Acute Iritis
4. Edema

Patient Complaint: Redness, Discharge

Possible Cause:

1. Conjunctivitis
2. Foreign Body (Photophobia)
3. Abrasion (Photophobia)
4. Allergy

Chemical Injuries- Rinse eyes copiously with water for 20 minutes or longer.

Additional Signs and Symptoms

Patient Complaint: Gradual Loss of Vision

Possible Cause:

1. Refractive Errors
2. Corneal Dystrophy
3. Cataracts
4. Macular Degeneration
5. Optic Nerve Inflammation (Neuritis)

Patient Complaint: Burning

Possible Cause:

1. Uncorrected Refractive Errors
2. Conjunctivitis
3. Insufficient Sleep, Overwork
4. Exposure to Wind, Dust, Occupational Irritants
5. Insufficient or Abnormal Tear Secretion (Dryness)
6. Computer Glare

Patient Complaint: Headaches

Possible Cause:

1. Refractive Errors
2. Muscle Imbalances
3. Migraine, Tension, Stress
4. High or Low Blood Pressure
5. Intracranial Pressure (Tumors)

Patient Complaint: Tearing or Watering of Eyes

Possible Cause:

1. Emotional State
2. Allergy
3. Inflammation (Foreign Body, Abrasions, Misdirected lashes)
4. Impairment of Tear Drainage System

Patient Complaint: Itching

Possible Cause:

1. Eye Fatigue
2. Allergy
3. Conjunctivitis
4. Blepharitis

Patient Complaint: Sandiness or Grittiness

Possible Cause:

1. Conjunctivitis
2. Poor Blinking
3. Dry Eye
4. Exposure of the Conjunctiva

Patient Complaint: Twitching of Eyelids

Possible Cause:

1. Fatigue, Tension

Patient Complaint: Squinting

Possible Cause:

1. Refractive Error
2. Glare

Patient Complaint: Dizziness

Possible Cause:

1. Usually caused by disturbance of the inner ear