Red Eye Diagnostic Algorithm

**Unilateral red eye**
- Lashes not touching eyeball
  - Good eyelid closure
    - Larger pupil in red eye
    - Smaller or same sized pupil in red eye
      - Photophobia
      - No photophobia
        - Painful
        - Mild discomfort
  - Cornea not staining with fluorescein
  - Cornea staining with fluorescein
  - Focally hazy cornea
  - Clear cornea

**Bilateral red eye**
- Lashes touching eyeball
  - Predominately itchy
  - Predominately gritty / burning
  - Discharge
  - No discharge

**DIAGNOSIS**
- Acute Angle Closure Glaucoma
- Iritis
- Scleritis
- Epikeratitis
- Stromal Keratitis
- Epithelial Keratitis
- VII CN palsy
- Entropian / Trichiasis
- Allergic Conjunctivitis
- Infective Conjunctivitis
- Dry Eyes

**ACTION**
- Urgent Review = call PAEP ARC/St Johns Eye Coordinator. Out of hours contact oncall Eye Doctor.
- Fax PAEP ARC on 0131 536 3129 for weekday review between 8.30 and 16.30 for same / next day review where possible. If weekend, call on-call doctor for same / next day weekend review. (If St John’s area, call Eye Nurse Co-ordinator on 01506 524286, 9-5 mon-thurs, 9-12 Friday)
- Opatanol bd. GP / optician review after 2 weeks.
- Chloramphenicol drops. GP / optician review after 2 weeks
- Carbomer gel qds. GP/optician review in 2 weeks
This is an audit of the Edinburgh Red Eye Diagnostic Algorithm. This algorithm is frequently given to non ophthalmologists in order to help them with a red eye diagnosis. We are currently auditing its accuracy in order to address any weak areas. The diagnoses not included are:

- those as a consequence of injury, as this is easily identified from the history
- subconjunctival haemorrhage, as this is easily identified by redness without visible vessels.

**INSTRUCTIONS**

**Initial presentation**

1. Please fill in the top left box on this page, referring to the algorithm on the back of this form.
2. Don’t forget to hand this form to the patient and ask them to take to their follow up and to encourage the doctor/optician to complete.

**If you are following up a patient with this form**

1. Please fill in the middle box on the left side of this form.
2. Don’t forget to hand this form to the patient if they are attending an appointment in the Eye Pavilion. If not, please post the form to Dr Mark Wright, Princess Alexandra Eye Pavilion.

Please fax form to PAEP ARC on 0131 536 3129 or post to: Dr Mark Wright, Consultant Ophthalmologist, Princess Alexandra Eye Pavilion, Chalmers Street, Edinburgh EH3 9HA

Thank you very much for contributing to the Red Eye Diagnostic Algorithm!