APPLICATION OF GRADING SCALES
- Patient management is based on how much the normal ocular appearance has changed.
- In general, a rating of slight (grade 2) or less is considered within normal limits (except staining).
- A change of one grade or more at follow up visits is considered clinically significant.

PALPEBRAL CONJUNCTIVAL GRADES
- The palpebral conjunctiva is divided into five areas to grade redness and roughness.
- Areas 1, 2 and 3 are most relevant in contact lens wear.

ADVERSE EFFECTS WITH CONTACT LENSES

CLPC CONTACT LENS PAPILLARY CONJUNCTIVITIS
Inflammation of the upper palpebral conjunctiva

Signs
- Redness
- Enlarged papillae
- Excess mucus

Symptoms
- Itchiness
- Mucus strands
- Lens mislocation
- Intolerance to lenses

INFILTRATES
Accumulation of inflammatory cells in corneal sub-epithelial stroma.
Inset: high magnification view

Signs
- Whitish opacity (focal) or grey haze (diffuse)
- Usually confined to 2-3mm from limbus
- Localized redness

Symptoms
- Asymptomatic or scratchy, foreign body sensation
- Redness, tearing and photophobia possible

CLARE CONTACT LENS ACUTE RED EYE
An acute corneal inflammatory episode associated with sleeping in soft contact lenses

Signs
- Unilateral
- Intense redness
- Infiltrates
- No epithelial break

Symptoms
- Wakes with irritation or pain
- Photophobia
- Lacrimation

CORNEAL STAINING GRADES
- Staining assessed immediately after single instillation of fluorescein using cobalt blue light and wratten 12 (yellow) filter over the slit lamp objective.
- The cornea is divided into five areas. The type, extent and depth of staining are graded in each area.

INFECTED ULCER
Full thickness epithelial loss with stromal necrosis and inflammation, typically central or paracentral

Signs
- Intense redness
- “White patch” (raised edges)
- Infiltrates
- Epithelial and stromal loss
- Anterior chamber flare
- Conjunctival and lid edema

Symptoms
- Pain, photophobia
- Redness, mucoid discharge
- ↓ VA (if over pupil)

POLYMEGHISM

1. VERY SLIGHT
2. SLIGHT
3. MODERATE
4. SEVERE

VASCULARIZATION

STROMAL STRIAE and FOLDS
One striae = 5% edema
One fold = 8% edema
(each additional striae or fold indicates 1% more edema)

LOCATION DEPTH DESCRIPTION

1 Superficial epithelium
2 Deep epithelium, delayed stromal glow
3 Immediate localized stromal glow
4 Immediate diffuse stromal glow

* Based on penetration of fluorescein and slit lamp optic section