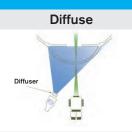


Clinical Assessment Guide

Johnson Johnson

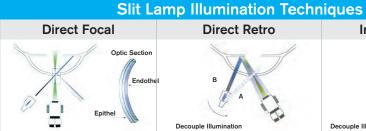
INSTITUTE

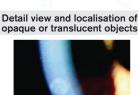


Overview of lids, lashes,



Clear, quiet eye





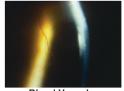
Subepithelial Scar

Key Uses

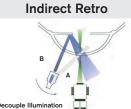
Comments



Detail view of transparent, translucent or refractile objects



Blood Vessels



Detail view of transparent, translucent or refractile objects



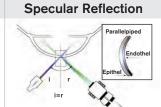
Lissamine Green

Integrity of CONJUNCTIVA,

filter in observation path

cornea and dry eye assessment

Use white light with optional rose



Endothelium & regularity, smoothness of flat surfaces



Tear Prism

Rose Bengal

Integrity of CONJUNCTIVA,

cornea and dry eye assessment

Use white light. (NOTE: Lissamine

Green, if available, avoids stinging

associated with Rose Bengal)

Staining & Lid Assessments

Staining Assessment Zones¹



corneal zones (5), + conjunctival zones (6)

Lid Assessment Zones²

lacktriangle

Fluorescein illuminated + by cobalt (blue) light



Sodium Flourescein

Tear stability, integrity of CORNEA

Use cobalt (blue) light with yellow

and conjunctiva, lid roughness

filter in observation path

Deep yellow filter in optical path



Enhanced visibility of staining & tears



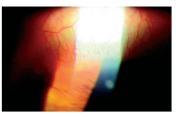
Lissamine Green



Rose Bengal

Corneal Inflammation vs. Infection³

	Inflammatory Event	Microbial Keratitis
Pain	Mild	Moderate - Severe
Location	Usually peripheral	Often central
Staining to defect size	< 1:1	~ 1:1
Anterior Chamber Reaction	Usually none / mild	Cells &/or hypopyon
Injection	Localised, mild-moderate	General, moderate - severe
Appearance of infiltrates	Often multiple, smaller, round or oval, grey-white, translucent	Usually single, irregular shape, > 1 - 1.5mm in size, yellowwhite, opaque
Lid oedema	Rare	Common
Occurrence	up to ~15%	~0.04% (DW), ~0.2% (EW)
Therapy	Monitor; steroid, NSAID, combo or palliative as needed	Anti-infective, often fortified



Peripheral Infiltrate (sterile)



Peripheral Ulcer (bacterial)

Signs of Oxygen Deficiency

Limbus

Limbal vessel engorgement & neovascularisation



Stromal Folds



Epithelial Microcysts



Endothelial Polymegethism

^{1.} Lemp MA. Report of the National Eye Institute/Industry workshop on clinical trials in dry eyes. Contact Lens Assoc Ophthal J 1995, 21(4):221-232. **2.** Allansmith MR, Korb DR, Greiner JV et al. Giant papillary conjunctivitis in contact lens wearers, Am J Ophthalmol 1977 83:697-708. **3.** Aasuri MK, Venkata N, Kumar VM. Differential diagnosis of microbial keratitis and contact lens peripheral ulcer. Eye Contact Lens 2003 29(15):560-62.
Photos courtesy of the Johnson & Johnson Vision Care Institute, Gary Andrasko, OD and Thomas Quinn, OD.

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Clinical Grading Scales

Johnson Johnson institute

