



Long-term Care Formulary			A:	S-03
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Conjunctivitis

Conjunctivitis ("inflammation of the conjunctiva") is usually a benign, self-limiting condition that is typically easily treated. It is the most likely diagnosis in a patient with red eye and discharge. Treatment duration with antimicrobial products should be a maximum of 7 days.

Conjunctivitis can be either **infectious** or **non-infectious**, or which the various causes may be bacterial, viral, allergic, or non-allergic.

Infectious	
Bacterial	 Spread by direct contract of secretions with contaminated objects/surfaces Typically originates in one eye; eye may be "stuck shut" Purulent discharge, thick and globular; yellow, white, or green Discharge will appear spontaneously and continuously throughout the day Common causative organisms: S. aureus, S. pneumo, H. influenza, M. catarrhalis
Viral	 Mostly watery discharge, may be stringy and mucus like (rather than pus) Discharge will not appear spontaneously and is less noticeable (in tear film or under the lower lid); usually results in profuse tearing Described as grittiness, burning, or irritation 2nd eye generally involved within 24-48 hours May manifest as part of concurrent viral illness (e.g. pharyngitis, fever, URTI) Self limiting process: worsening initial symptoms 3-5 days; complete resolution in 1-3 weeks Common causes: adenovirus
Non-Infectious	
Allergic	 Caused by airborne allergens contacting the eye Typically presents as bilateral redness, watery discharge, and itching Primary complaint is itching (vs. grittiness);rubbing will worsen symptoms Often have a history of allergies (seasonal or specific, e.g. cats)

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Non-Allergic	•	the result of transient mechanical or chemical insult rge more likely mucus than pus			

Exclusions

Diagnosis of conjunctivitis can only be made if more serious conditions (e.g. closed angle glaucoma, keratitis, etc) or focal pathology (e.g. stye, blepharitis) can be ruled out.

Laboratory Investigations

Culture and Sensitivity is generally **not** required for diagnosis of conjunctivitis, with the exception of suspected cases of hyperacute conjunctivitis where N. gonorrhoaea may be suspected.

General Approach to Therapy

All listed types of conjunctivitis (as above) are self-limited processes. Please note the specific treatment points as below:

Туре	Treatment Points
Bacterial	 Typical treatment length should be 5-7 days; may consider reducing dosing frequency after initial 1-2 days Therapeutic response should be seen after 1-2 days Preferred agents: erythromycin, polymyxin, bacitracin Caution: aminoglycoside may have toxic effects on epithelium
Viral	No specific antivirals recommendedOcular lubricants as needed for comfort

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Non- infectious, allergic	 For acute allergic conjunctivitis caused by known agents (e.g. cleaning products, cats), avoidance of allergen is the preferred action Ophthalmic antihistamines (e.g. olopatadine, ketotifen) tend to have quicker onset of action, though maximum effect may not be expected for 1-2 weeks – note that these are non-formulary agents available via NF process if required Mast cell stabilizers (e.g. sodium cromoglycate) may have a more delayed onset of action (5-14 days) in some clients, making them less useful for acute conjunctivitis Consider oral antihistamines if generalized allergy symptoms are reported 				
Non- infectious, non-allergic	regenera	rapy required (for minor insult); conjunctival s ate rapidly r ocular lubricants as needed for comfort	surface	e sh	ould

For acute conjunctivitis as described above, there is no role for the use of **corticosteroids**. In cases where uncomplicated conjunctivitis may be mistaken for a more serious condition (e.g. herpes simplex or fungal/bacterial/viral keratitis), the use of corticosteroids may cause greater harm than benefit.

References

- 1) Friesen, AM. Conjunctivitis. Patient Self-Care, 2nd Ed. Ottawa, Ont., 2010.
- 2) Jacobs, DS. Conjunctivitis. In:UpToDate, Waltham, MA. (Accessed on June 14, 2015.)

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