



CE #: 801

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Revised Dates:

This clinical guideline is a collaborative care plan and is not intended to be construed or to serve as a standard of medical care. Rather, it is intended as a guideline to promote coordination and communication with respect to patient care and may be modified to meet individual care needs. For additional information please contact the Department of Clinical Effectiveness & Quality at 412/692-7645. ©Children's Hospital of Pittsburgh of UPMC, 2014

List of eyedrops for Allergic conjunctivitis

DRUG	TRADE NAME
1.Ketotifen Fumarate 0.025% (Preservative free)	Zaditor/Alaway
2.Lodoxamide 0.1% QID	Alomide
3.Olopatadine hydrochloride	Patanol 0.1% / Pataday 0.2%
4.Prednisolone 1%(Preservative free)	Predforte
5.Fluoromethalone FML(0.1%)	FML
6.Loteprednol Etabonate(0.2%,0.5%)	Alerex/Lotemax
7.Rimexolone 1%	Vexol
8.Dexamethasone 0.1% (Preservative free)	Maxidex
9.Cyclosporine A 0.05%	Restasis

References:

1. Wong IB, Nichal KK. Managing a child with an external ocular disease. *J AAPOS*. 2010 Feb;14(1):68-77.
2. Bonini S, Gramiccioni C, Bonini M, Bresciani M. Practical approach to diagnosis and treatment of ocular allergy: a 1-year systematic review. *Curr Opin Allergy Clin Immunol*. 2007 Oct;7(5):446-9. Review
3. Bonini S, Sacchetti M, Mantelli F, Lambiase A. Clinical grading of vernal keratoconjunctivitis. *Curr Opin Allergy Clin Immunol*. 2007 Oct;7(5):436-41. Review
4. O'Brien TP. Allergic conjunctivitis: an update on diagnosis and management. *Curr Opin Allergy Clin Immunol*. 2013 Oct;13(5):543-9.
5. Sacchetti M, Lambiase A, Mantelli F, Deligianni V, Leonardi A, Bonini S. Tailored approach to the treatment of vernal keratoconjunctivitis. *Ophthalmology*. 2010 Jul;117(7):1294-9.
6. Guglielmetti S, Dart JK, Calder V. Atopic keratoconjunctivitis and atopic dermatitis. *Curr Opin Allergy Clin Immunol*. 2010 Oct;10(5):478-85.
7. Mantelli F, Santos MS, Pettiti T et al. Systematic review and meta-analysis of randomised clinical trials on topical treatments for vernal keratoconjunctivitis. *Br J Ophthalmol*. 2007 Dec;91(12):1656-61.
8. Yoneda K, Okamoto H, Wada Y et al. Atopic retinal detachment. Report of four cases and a review of the literature. *Br J Dermatol*. 1995 Oct;133(4):586-91.
9. T, Nakagami T, Mochizuki M, Hata N, Tsuchiya T, Hotta Y. Three cases of corneal melting after instillation of a new nonsteroidal anti-inflammatory drug. *Cornea*. 2006 Feb;25(2):224-7.
10. Ng JS, Fan DS, Young AL et al. Ocular hypertensive response to topical dexamethasone in children: a dose-dependent phenomenon. *Ophthalmology*. 2000 Nov;107(11):2097-100.
11. Ang M, Ho CL, Tan D, Chan C. Severe vernal keratoconjunctivitis requiring trabeculectomy with mitomycin C for corticosteroid-induced glaucoma. *Clinical & Experimental Ophthalmol*. 2012 May-Jun;40(4):e149-55. Jul 26.
12. Wan KH, Chen LJ, Rong SS, Pang CP, Young AL. Topical cyclosporine in the treatment of allergic conjunctivitis: a meta-analysis. *Ophthalmology*. 2013 Nov;120(11):2197-203.
13. Kheirkhah A, Zavareh MK, Farzadi F, Mehdad M, Behrouz. Topical 0.005% tacrolimus eye drop for refractory vernal keratoconjunctivitis. [Lond]. 2011 Jul;25(7):872-80.
14. Attas-Fox L, Barkana Y, Iskhakov V et al. Topical tacrolimus 0.03% ointment for intractable allergic conjunctivitis: an open-label pilot study. *Curr Eye Res*. 2008 Jul;33(7):545-9.
15. Labcharoenwongs P, Jirapongsananurak O, Visitsurthorn N et al. A double-masked comparison of 0.1% tacrolimus ointment and 2% cyclosporine eye drops in the treatment of vernal keratoconjunctivitis in children. *Asian Pac J Allergy Immunol*. 2012 Sep;30(3):177-84.