

# Contact Lens/Eye Interaction

## Useful References and Further Reading



### THE VISION CARE INSTITUTE® recommends

Veys J, Meyler J and Davies I. Assessment of the tear film. *Essential Contact Lens Practice Series* THE VISION CARE INSTITUTE® 2009

<http://www.thevisioncareinstitute.co.uk/sites/default/files/private/uk/pdf/ECLP%20Chapter%204.PDF>

*A review of the tear film in contact lens wear and techniques for assessing its quantity and quality.*

Veys J and French K. In the blink of an eye. *Optometry Today* 2007; 29 September.

<http://www.thevisioncareinstitute.co.uk/sites/default/files/private/uk/pdf/In%20the%20Blink%20of%20an%20Eye%20OT%20TVCI%20version.pdf>

*The importance of complete and regular blinking to ocular health and comfort.*

Pult H. Dry eye in soft contact lens wearers. *CL Spectrum* 2011;26:7 26-53.

<http://www.clspectrum.com/article.aspx?article=105793>

*The signs and symptoms of dry eye, and tools to help you diagnose and manage.*

The International Workshop on Meibomian Gland Dysfunction. *Invest Ophthalmol Vis Sci* 2011;52:4 1917-2085.

[http://www.tearfilm.org/pdfs/TFOS\\_Mgd\\_Report\\_Overview.pdf](http://www.tearfilm.org/pdfs/TFOS_Mgd_Report_Overview.pdf)

*A guide to MGD: What is it, why does it occur and how may it be treated?*

Veys J, Meyler J and Davies I. Contact lens aftercare. *Essential Contact Lens Practice Series*. THE VISION CARE INSTITUTE® 2009

<http://www.thevisioncareinstitute.co.uk/sites/default/files/private/uk/pdf/ECLP%20Chapter%2010.PDF>

*A systematic approach to aftercare procedures and questioning techniques, including a useful table summarising symptoms, possible causes and actions*

## General

Frangie J, Schiller S and Hill LA. Understanding lens performance from wearers of monthly replacement contact lenses. *Optometry Today* 2008;48:12 39-42.

<http://www.optometry.co.uk/search?q=frangie>

Riley C, Young G and Chalmers R. Prevalence of ocular surface symptoms, signs and uncomfortable hours of wear in contact lens wearers: the effect of refitting with daily-wear silicone hydrogel lenses (senofilcon A). *Eye & Contact Lens* 2006;32:6 281-286.

[http://journals.lww.com/claojournal/Abstract/2006/12000/Prevalence\\_of\\_Ocular\\_Surface\\_Symptoms,\\_Signs,\\_and.7.aspx](http://journals.lww.com/claojournal/Abstract/2006/12000/Prevalence_of_Ocular_Surface_Symptoms,_Signs,_and.7.aspx)

Young G, Veys J, Pritchard N *et al.* A multicentre study of lapsed contact lens wearers. *Ophthalm Physiol Opt* 2002;22:6 516-527.

<http://onlinelibrary.wiley.com/doi/10.1046/j.1475-1313.2002.00066.x/abstract>

## Tear film – dry eye

Himebaugh NL, Begley CG, Bradley A *et al.* Blinking and tear break-up during four visual tasks. *Optom Vis Sci* 2009;86:2 E106-E114.

[http://journals.lww.com/optvissci/Fulltext/2009/02000/Blinking\\_and\\_Tear\\_Break\\_Up\\_During\\_Four\\_Visual.10.aspx](http://journals.lww.com/optvissci/Fulltext/2009/02000/Blinking_and_Tear_Break_Up_During_Four_Visual.10.aspx)

Pult H, Purslow C, Berry M *et al.* Clinical tests for predicting successful contact lens wear: relationship and clinical potential. *Optom Vis Sci* 2008 85:10 E924-E929

[http://journals.lww.com/optvissci/Fulltext/2008/10000/Clinical\\_Tests\\_for\\_Successful\\_Contact\\_Lens\\_Wear\\_.9.aspx](http://journals.lww.com/optvissci/Fulltext/2008/10000/Clinical_Tests_for_Successful_Contact_Lens_Wear_.9.aspx)

Simpson TL, Situ P, Jones LW *et al.* Dry eye symptoms assessed by four questionnaires. *Optom Vis Sci* 2008;85:8 692-698.

[http://journals.lww.com/optvissci/Fulltext/2008/08000/Dry\\_Eye\\_Symptoms\\_Assessed\\_by\\_Four\\_Questionnaires.14.aspx](http://journals.lww.com/optvissci/Fulltext/2008/08000/Dry_Eye_Symptoms_Assessed_by_Four_Questionnaires.14.aspx)

Harrison WW, Begley CG, Liu H *et al.* Menisci and fullness of blink in dry eye. *Optom Vis Sci* 2008;85:8 706-714

[http://journals.lww.com/optvissci/Fulltext/2008/08000/Menisci\\_and\\_Fullness\\_of\\_the\\_Blink\\_in\\_Dry\\_Eye.16.aspx](http://journals.lww.com/optvissci/Fulltext/2008/08000/Menisci_and_Fullness_of_the_Blink_in_Dry_Eye.16.aspx)

Koh S, Maeda N, Hamano T *et al.* Effect of lubricating agents of disposable contact lenses on higher-order aberrations after blinking. *Eye & Contact Lens* 2008;34:2 100-105.

[http://journals.lww.com/claojournal/Abstract/2008/03000/Effect\\_of\\_Internal\\_Lubricating\\_Agents\\_of.6.aspx](http://journals.lww.com/claojournal/Abstract/2008/03000/Effect_of_Internal_Lubricating_Agents_of.6.aspx)

Korb DR, Herman JP, Finnemore VM *et al.* An evaluation of the efficacy of fluorescein, rose bengal, lissamine green, and a new dye mixture for ocular surface staining. *Eye & CL* 2008;34:1 61-64.

[http://journals.lww.com/claojournal/Abstract/2008/01000/An\\_Evaluation\\_of\\_the\\_Efficacy\\_of\\_Fluorescein,\\_Rose.15.aspx](http://journals.lww.com/claojournal/Abstract/2008/01000/An_Evaluation_of_the_Efficacy_of_Fluorescein,_Rose.15.aspx)

Report of the International Dry Eye Workshop (DEWS Report). *Ocular Surface* 2007;5:2.

<http://www.theocularsurface.com/2007-report-of-the-international-dry-eye-workshop-dews.html>

Glasson MJ, Stapleton F, Keay L *et al.* Differences in clinical parameters and tear film of tolerant and intolerant contact lens wearers. *Invest Ophthalmol Vis Sci* 2003; 44:12 5116-5124.

<http://www.iovs.org/content/44/12/5116.abstract>

Korb DR, Greiner JV, Herman JP *et al.* Lid wiper epitheliopathy and dry eye symptoms in contact lens wearers *CLAO J* 2002;28:4:211-6.

[http://journals.lww.com/claojournal/Abstract/2002/10000/Lid\\_Wiper\\_Epitheliopathy\\_and\\_Dry\\_Eye\\_Symptoms\\_in.11.aspx](http://journals.lww.com/claojournal/Abstract/2002/10000/Lid_Wiper_Epitheliopathy_and_Dry_Eye_Symptoms_in.11.aspx)

Begley CG, Chalmers RL, Mitchell GL *et al.* Characterization of ocular surface symptoms from optometric practices in North America. *Cornea* 2001;20:6 610-8.

[http://journals.lww.com/corneajrnl/Abstract/2001/08000/Characterization\\_of\\_Ocular\\_Surface\\_Symptoms\\_From.11.aspx](http://journals.lww.com/corneajrnl/Abstract/2001/08000/Characterization_of_Ocular_Surface_Symptoms_From.11.aspx)

Patel S, Henderson R, Bradley L *et al.* Effect of visual display unit use on blink rate and tear stability. *Optom Vis Sci* 1991;68:11 888-92.

[http://journals.lww.com/optvissci/Abstract/1991/11000/Effect\\_of\\_Visual\\_Display\\_Unit\\_Use\\_on\\_Blink\\_Rate.10.aspx](http://journals.lww.com/optvissci/Abstract/1991/11000/Effect_of_Visual_Display_Unit_Use_on_Blink_Rate.10.aspx)

Dry Eye Zone classification of Ocular Surface Disease Index

<http://dryeyezone.com/encyclopedia/documents/OSDI.pdf>