

# Der Weg zum dauerhaft erfolgreichen Tragen von Kontaktlinsen

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## Literatur

- [1] Walline JJ, Gaume A, Jones LA, Rah MJ, Manny RE, Berntsen DA, et al. Benefits of contact lens wear for children and teens. *Eye Contact Lens* 2007;33:317–21.
- [2] Morgan PB, Chamberlain P, Moody K, Maldonado-Codina C. Ocular physiology and comfort in neophyte subjects fitted with daily disposable silicone hydrogel contact lenses. *Cont Lens Anterior Eye* 2013;36:118–125.
- [3] Sankaridurg PR, Sweeney DF, Holden BA, Naduvilath T, Velala I, Gora R, et al. Comparison of adverse events with daily disposable hydrogels and spectacle wear: results from a 12-month prospective clinical trial. *Ophthalmology* 2003;110:2327–34.
- [4] Johnson & Johnson Vision Care. Contact lens incidence survey. 2011. CATI questionnaire with CL drop-outs aged 16–54 years (16–64 in UK) in UK, France, Germany, Italy, Spain, Russia, Poland, Saudi Arabia, Sweden and Turkey; N=1115
- [5] Papas EB, Decenzo-Verbeten T, Fonn D, Holden BA, Kollbaum PS, Situ P, et al. Utility of short-term evaluation of presbyopic contact lens performance. *Eye Contact Lens* 2009;35:144–8.
- [6] Dumbleton K, Woods CA, Jones LW, Fonn D. The impact of contemporary contact lenses on contact lens discontinuation. *Eye Contact Lens* 2013;39:93–9.
- [7] Plowright AJ, Morgan PB, Maldonado-Codina C, Moody K. An investigation of ocular comfort in contact lens wearers, spectacle wearers and non-wearers. *Optom Vis Sci* 2008. E-abstract 85050.
- [8] Efron N, Brennan NA, Currie JM, Fitzgerald JP, Hughes MT. Determinants of the initial comfort of hydrogel contact lenses. *Am J Optom Phys Opt* 1986;63:819–23.
- [9] Gispets J, Cardona G, Solà R, Varón C, Salazar F. Central thickness of hydrogel contact lenses as a predictor of success when fitting patients with tear deficiency. *Cont Lens Anterior Eye* 2002;25:89–94.
- [10] Hall B, Jones S, Young G, Coleman S. The on-eye dehydration of proclear compatibles lenses. *CLAO J* 1999;25:233–7.
- [11] Morgan PB, Efron N, Morgan SL, Little SA. Hydrogel contact lens dehydration in controlled environmental conditions. *Eye Contact Lens* 2004;30:99–102.
- [12] Morgan PB, Efron N. Hydrogel contact lens ageing. *CLAO J* 2000;26:85–90.
- [13] Fonn D, Situ P, Simpson T. Hydrogel lens dehydration and subjective comfort and dryness ratings in symptomatic and asymptomatic contact lens wearers. *Optom Vis Sci* 1999;76:700–4.
- [14] Young G, Riley CM, Chalmers RL, Hunt C. Hydrogel lens comfort in challenging environments and the effect of refitting with silicone hydrogel lenses. *Optom Vis Sci* 2007;84:302–8.
- [15] Dumbleton K, Keir N, Moezzi A, Feng Y, Jones L, Fonn D. Objective and subjective responses in patients refitted to daily-wear silicone hydrogel contact lenses. *Optom Vis Sci* 2006;83:758–68.
- [16] Guillon M. Are silicone hydrogel contact lenses more comfortable than hydrogel contact lenses? *Eye Contact Lens* 2013;39:86–92.
- [17] Shen M, Cui L, Riley C, Wang MR, Wang J. Characterization of soft contact lens edge fitting using ultra-high resolution and ultra-long scan depth optical coherence tomography. *Invest Ophthalmol Vis Sci* 2011;52:4091–7.
- [18] Maissa C, Guillon M, Garofalo RJ. Contact lens-induced circumlimbal staining in silicone hydrogel contact lenses worn on a daily wear basis. *Eye Contact Lens* 2012;38:16–26.
- [19] Glasson MJ, Stapleton F, Keay L, Sweeney D, Willcox MDP. Differences in clinical parameters and tear film of tolerant and intolerant contact lens wearers. *Invest Ophthalmol Vis Sci* 2003;44:5116–24.
- [20] Glasson MJ, Stapleton F, Keay L, Willcox MDP. The effect of short term contact lens wear on the tear film and ocular surface characteristics of tolerant and intolerant wearers. *Cont Lens Anterior Eye* 2006;29:41–7–quiz49.
- [21] Subbaraman LN, Glasier M-A, Varikooty J, Srinivasan S, Jones L. Protein deposition and clinical symptoms in daily wear of etafilcon lenses. *Optom Vis Sci* 2012;89:1450–9.
- [22] Panaser A, Tighe BJ. Function of lipids – their fate in contact lens wear: an interpretive review. *Cont Lens Anterior Eye* 2012;35:100–11.
- [23] Korb DR, Herman JP, Greiner JV, Scaffidi RC, Finnemore VM, Exford JM, et al. Lid wiper epitheliopathy and dry eye symptoms. *Eye Contact Lens* 2005;31:2–8.
- [24] Korb DR, Greiner JV, Herman JP, Hebert E, Finnemore VM, Exford JM, et al. Lid-wiper epitheliopathy and dry-eye symptoms in contact lens wearers. *CLAO J* 2002;28:211–6.
- [25] Roba M, Duncan EG, Hill GA, Spencer ND, Tosatti SGP. Friction measurements on contact lenses in their operating environment. *Tribology Letters* 2011;44:387–97.
- [26] Berry M, Pult H, Purslow C, Murphy PJ. Mucins and ocular signs in symptomatic and asymptomatic contact lens wear. *Optom Vis Sci* 2008;85:E930–8.
- [27] Pult H, Purslow C, Berry M, Murphy PJ. Clinical tests for successful contact lens wear: relationship and predictive potential. *Optom Vis Sci* 2008;85:E924–9.
- [28] Coles M-LC, Brennan NA. Coefficient of friction and soft contact lens comfort. *Optom Vis Sci* 2012. E-abstract 125603
- [29] Brennan N. Contact lens based correlates of soft lens wearing comfort. *Optom Vis Sci* 2009; 86: E-abstract 90957
- [30] Brennan N. A model of oxygen flux through contact lenses. *Cornea* 2001;20:104–8.
- [31] Brennan NA. Beyond flux: total corneal oxygen consumption as an index of corneal oxygenation during contact lens wear. *Optom Vis Sci* 2005;82:467–72.
- [32] Morgan PB, Brennan NA, Maldonado-Codina C, Quhill W, Rashid K, Efron N. Central and peripheral oxygen transmissibility thresholds to avoid corneal swelling during open eye soft contact lens wear. *J Biomed Mater Res Part B Appl Biomater* 2010;92:361–5.
- [33] Dart JKG, Radford CF, Minassian D, Verma S, Stapleton F. Risk Factors for Microbial Keratitis with Contemporary Contact Lenses. A Case-Control Study. *Ophthalmology* 2008;115:1647–1654.e3.
- [34] Stehr-Green JK, Bailey TM, Brandt FH, Carr JH, Bond WW, Visvesvara GS. Acanthamoeba keratitis in soft contact lens wearers. A case-control study. *JAMA* 1987;258:57–60.

- [35] Stapleton F, Keay L, Jalbert I, Cole N. The epidemiology of contact lens related infiltrates. *Optom Vis Sci* 2007;84:257–72.
- [36] Tu EY, Joslin CE. Recent outbreaks of atypical contact lens-related keratitis: what have we learned? *Am J Ophthalmol* 2010;150:602–2.
- [37] Stapleton F, Keay L, Edwards K, Naduvilath T, Dart J, Brian G, et al. The Incidence of Contact Lens-Related Microbial Keratitis in Australia. *Ophthalmology* 2008;115:1655–62.
- [38] Morgan P, Efron N, Hill E, Raynor M, Whiting M, Tullo A. Incidence of keratitis of varying severity among contact lens wearers. *Br J Ophthalmol* 2005;89:430–6.
- [39] Chalmers RL, Keay L, McNally J, Kern J. Multicenter case-control study of the role of lens materials and care products on the development of corneal infiltrates. *Optom Vis Sci* 2012;89:316–25.
- [40] Young G. Disinfection in 49 Steps. *Contact Lens Spectrum* January 2012: 53–4.
- [41] Morgan PB, Efron N, Toshida H, Nichols JJ. An international analysis of contact lens compliance. *Cont Lens Anterior Eye* 2011;34:223–8.
- [42] Houang E, Lam D, Fan D, Seal D. Microbial keratitis in Hong Kong: Relationship to climate, environment and contact-lens disinfection. *Transactions of the Royal Society of Tropical Medicine and Hygiene* 2001;95:361–7.
- [43] Gray TB, Cursons RT, Sherwan JF, Rose PR. Acanthamoeba, bacterial, and fungal contamination of contact lens storage cases. *Br J Ophthalmol* 1995;79:601–5.
- [44] Wu YT, Zhu H, Willcox M, Stapleton F. Removal of biofilm from contact lens storage cases. *Invest Ophthalmol Vis Sci* 2010;51: 6329–33.
- [45] Wu YT, Zhu H, Willcox M, Stapleton F. Impact of air-drying lens cases in various locations and positions. *Optom Vis Sci* 2010;87:465–8.
- [46] Radford CF, Bacon AS, Dart JKG, Minasian DC. Risk factors for acanthamoeba keratitis in contact lens users: A case-control study. *British Medical Journal* 1995;310:1567–70.
- [47] Shih KL, Hu J, Sibley MJ. The microbiological benefit of cleaning and rinsing contact lenses. *Int Contact Lens Clin* 1985;12:235–42.
- [48] Claydon BE, Efron N, Woods C. A prospective study of the effect of education on non-compliant behaviour in contact lens wear. *Ophthal Physiol Opt* 1997;17:137–46.
- [49] Yung AM, Boost MV, Cho P, Yap M. The effect of a compliance enhancement strategy (self-review) on the level of lens care compliance and contamination of contact lenses and lens care accessories. *Clinical and Experimental Optometry* 2007;90:190–202.







