## Healthy Corneal Reshaping Gas Permeable Contact Lens Habits

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Congratulations on your new corneal reshaping GP contact lenses!

To ensure continued success with your reshaping contact lenses, review these healthy contact lens habits.

- 1. Wash your hands thoroughly with soap, rinse and dry them before handling your contact lenses.<sup>1,2</sup>
- 2. Do not use tap water to clean, handle or store your contact lenses or to clean the contact lens case.<sup>3-8</sup>
- 3. Your care regimen has been prescribed specifically for your contact lens type. Do not change your regimen without consulting your eye care provider.¹ Using improper contact lens care products may impact the quality of your contact lenses, your eye health or overall contact lens wearing experience.

Storage, disinfecting, cleaning solution(s):	
Daily Cleaner (if recommended):	
Additional Cleaner (if recommended): Every	weeks
Rewetting drops:	

- Generic "store brand" solutions are often formulations of older solutions and may not be compatible with your type of contact lenses.
- To maintain comfortable lens wear, rub and rinse your contact lenses in the palm of your hand with the prescribed solution to remove debris, as directed.<sup>9-11</sup>
- Always recap your solution bottle.<sup>2,12</sup>
- 7. Proper care of your contact lens case
  - a. Completely empty the solution in the contact lens case every day.
  - b. Clean the contact lens case and any accessories with your prescribed solution.





- c. Completely wipe dry your contact lens case<sup>13</sup>, leave the case uncapped and place your contact lens case upside down on a clean surface.<sup>13</sup>
- d. Replace your contact lens case and accessories periodically as recommended by your doctor. 14-16

Replacement frequency for cases	and accessories:
Cleaner for contact lens case:	

- 8. Never add more solution to the left over solution in the case; no "topping off." 10,17,18
- You should store a spare pair of contact lenses dry in a contact lens
  case until needed. Then prior to use, clean the contact lens(es) and
  soak in disinfecting solution per manufacturers recommendation
  prior to application.
- 10. Be sure that your contact lenses are freely moving on your eye before removing them. You can place a rewetting drop in each eye prior to contact lens removal.
- 11. Discontinue contact lens wear immediately if you experience redness, discomfort, or visual disturbance and call your eye care professional.
- 12. It is important to follow your doctor's instructions on the wear and care of your contact lens. As with any contact lens wear, there is an inherent risk for contact lens complications.<sup>19-21</sup>
- 13. ALWAYS bring your contact lenses to every follow up visit.
- 14. Your follow up schedule is the following:

□ 1-day	□ 1-week	☐ 1-month	☐ 3-months	☐ 6-month

Association of Optometric Contact Lens Educators www.aocle.org



## REFERENCES

- Wu Y, Carnt N, Stapleton F. Contact lens user profile, attitudes and level of compliance to lens care. Cont Lens Anterior Eye 2010;33:183-8.
- 2. Szczotka-Flynn LB, Pearlman E, Ghannoum M. Microbial contamination of contact lenses, lens care solutions, and their accessories: a literature review. Eye Contact Lens 2010;36:116-29.
- 3. Joslin CE, Tu EY, Shoff ME, et al. The association of contact lens solution use and Acanthamoeba keratitis. Am J Ophthalmol 2007:144:169-80.
- 4. Shoff ME, Joslin CE, Tu EY, Kubatko L, Fuerst PA. Efficacy of contact lens systems against recent clinical and tap water Acanthamoeba isolates. Cornea 2008;27:713-9.
- 5. Booton GC, Joslin CE, Shoff M, Tu EY, Kelly DJ, Fuerst PA. Genotypic identification of Acanthamoeba sp. isolates associated with an outbreak of acanthamoeba keratitis. Cornea 2009;28:673-6.
- 7. Cope JR, Collier SA, Schein OD, et al. Acanthamoeba Keratitis among Rigid Gas Permeable Contact Lens Wearers in the United States, 2005 through 2011. Ophthalmology 2016;123:1435-41.
- 8. Joslin CE, Tu EY, McMahon TT, Passaro DJ, Stayner LT, Sugar J. Epidemiological characteristics of a Chicago-area Acanthamoeba keratitis outbreak. Am J Ophthalmol 2006;142:212-7.
- 9. Rosenthal RA, Henry CL, Schlech BA. Contribution of regimen steps to disinfection of hydrophilic contact lenses. Cont Lens Anterior Eye 2004;27:149-56.
- 10. Butcko V, McMahon TT, Joslin CE, Jones L. Microbial keratitis and the role of rub and rinsing. Eye Contact Lens 2007;33:421-3; discussion 4-5.
- 11. Cho P, Cheng SY, Chan WY, Yip WK. Soft contact lens cleaning: rub or no-rub? Ophthalmic Physiol Opt 2009;29:49-57.
- 12. Collins M, Coulson J, Shuley V, Bruce A. Contamination of disinfection solution bottles used by contact lens wearers. CLAO J 1994;20:32-6.
- 13. Wu YT, Zhu H, Willcox M, Stapleton F. Removal of biofilm from contact lens storage cases. Invest Ophthalmol Vis Sci 2010;51:6329-33.
- 14. Boost M, Shi GS, Cho P. Adherence of acanthamoeba to lens cases and effects of drying on survival. Optom Vis Sci 2011;88:703-7.
- 15. Boost MV, Cho P. Microbial flora of tears of orthokeratology patients, and microbial contamination of contact lenses and contact lens accessories. Optom Vis Sci 2005;82:451-8.
- 16. Hampton D, Tarver ME, Jacobs DS, et al. Special Commentary: Food and Drug Administration, American Academy of Ophthalmology, American Academy of Optometry, American Optometric Association and the Contact Lens Association of Ophthalmologists Cosponsored Workshop: Revamping Microbiological Test Methods for Contact Lenses, Products, and Accessories to Protect Health and Ensure Safety. Eye Contact Lens 2015;41:329-33.
- 17. Kilvington S, Powell CH, Lam A, Lonnen J. Antimicrobial efficacy of multi-purpose contact lens disinfectant solutions following evaporation. Cont Lens Anterior Eye 2011;34:183-7.
- 18. Proença-Pina J, Ssi Yan Kai I, Bourcier T, Fabre M, Offret H, Labetoulle M. Fusarium keratitis and endophthalmitis associated with lens contact wear. Int Ophthalmol 2010;30:103-7.
- 19. Bullimore MA, Sinnott LT, Jones-Jordan LA. The risk of microbial keratitis with overnight corneal reshaping lenses. Optom Vis Sci 2013;90:937-44.
- 20. Watt K, Swarbrick HA. Microbial keratitis in overnight orthokeratology: review of the first 50 cases. Eye Contact Lens 2005;31:201-8.
- 21. Watt KG, Swarbrick HA. Trends in microbial keratitis associated with orthokeratology. Eye Contact Lens 2007;33:373-7.