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1 **Fast versus gradual adaptation of soft monthly contact lenses in neophyte**  
2 **wearers**

3

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65 **Abstract**

66 **Aim:** To determine if a gradual adaptation period is necessary for neophytes when  
67 fitted with modern hydrogel or silicone hydrogel reusable disposable contact lenses.

68 **Method:** Across four sites, 74 neophytes (18-28 years) were randomly assigned to a  
69 reusable lens: Proclear® (hydrogel) or Biofinity® (silicone hydrogel) and an adaptation  
70 schedule: fast (10 hours wear from the first day) or gradual (4 hours on the first day,  
71 increasing their wear time by 2 hours on each subsequent day until they had reached  
72 10 hours). Masked investigators graded ocular surface physiology and non-invasive  
73 tear breakup time (NIBUT) and a range of comfort, vision and lens handling subjective  
74 ratings (0-100 visual analogue scales) were recorded at the baseline visit and after 10  
75 hours of lens wear, 4-6 days and 12-14 days after lens fitting. Subjective scores were  
76 also repeated after 7 days.

77 **Results:** There was no difference ( $p>0.05$ ) in ocular surface physiology or NIBUT  
78 between fast and gradual adaptation groups at any time point in either lens type with  
79 the exception of increased corneal staining ( $p=0.019$ ) in the silicone hydrogel fast  
80 adaptation group after 4-6 days. Subjective scores were also similar across the visits  
81 and lens types with the exception of 'lens awareness' ( $p=0.019$ ) which was less in the  
82 gradual versus the fast adaptation silicone hydrogel lens group at 12-14 days.

83 **Conclusion:** There seems to be no clinical benefit for recommending a gradual  
84 adaptation period in new wearers fitted with modern soft reusable disposable contact  
85 lenses. The findings of this work add to a growing body of evidence suggesting that  
86 such advice is unnecessary in regular soft contact lens wear, which has important  
87 ramifications for the initial clinical management of these patients.

88

89 **Key words:** Soft contact lens, reusable, adaptation, neophyte, fast, gradual

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99 **1. Introduction**

100 Currently, conventional practice advocates a cautious ‘easing-in’ approach for  
101 adapting new contact lens wearers (neophytes)[1]. In daily lens wear, this usually  
102 involves wear schedules of 2 to 4 hours on the first day followed by increases of 1-2  
103 hours daily until the desired wear time is achieved. Whilst this is likely to be beneficial  
104 for newly-adapting rigid lens wearers, it is less likely to be important for wearers of soft  
105 contact lenses. Soft lenses have a much lower modulus than rigid lenses [2, 3] and  
106 have less interaction with the upper eyelid due to a larger diameter and reduced lens  
107 movement, which makes them significantly more comfortable from the very first  
108 application. For this reason, many patients use soft lenses on an occasional basis  
109 and the concept of building-up of wear time in the traditional sense seems redundant  
110 under these circumstances.

111  
112 Previous work from this group[4] comparing fast to gradual adaptation in neophyte  
113 daily disposable lens wearers showed no significant differences in ocular physiology  
114 over the first two weeks of lens wear. Limbal, bulbar and palpebral conjunctival  
115 redness as well as corneal staining were found to be similar for the two groups with  
116 both contemporary hydrogel and silicone hydrogel daily disposable lenses. This  
117 finding lends weight to the hypothesis that the oxygen transmissibility of a lens is not  
118 relevant in deciding if a gradual adaptation period is required in a soft lens.  
119 Furthermore, the work showed that subjective comfort, vision and lens handling were  
120 not negatively impacted by a fast adaptation schedule; in fact, lens awareness and  
121 ease of lens removal were *improved* in the fast compared to the gradual adapters in  
122 the hydrogel lens wearers.

123  
124 The report was the first to provide evidence that eye care practitioners could eliminate  
125 gradual adaptation periods in soft lenses – at least for daily disposable wearers.  
126 However, it remains unknown whether the same principle can be applied to reusable  
127 daily wear soft contact lenses which remain the most widely prescribed lens category  
128 across the world, currently making-up up 44% of lens fits globally [5]. There are  
129 additional complexities which could influence comfort and adaptation with reusable  
130 lenses compared with daily disposable lenses, such as the interaction of the care  
131 regimen with the ocular surface [6, 7] as well as the potential for increased levels of  
132 deposition and its effect on ocular physiology [8].

133

134 This work set out to build upon the findings of previous work[4] and sought to gain a  
135 better understanding of whether the recommendation of gradual adaptation was  
136 supported for reusable daily wear hydrogel and silicone hydrogel contact lenses.  
137 Specifically, the work aimed to investigate if there were differences in ocular surface  
138 physiology and subjective performance in contact lens neophytes prescribed reusable  
139 lenses who underwent a fast versus a gradual adaptation schedule in the first two  
140 weeks of lens wear.

141

## 142 **2. Methods**

### 143 **2.1 Study lenses and care regimen**

144 The two monthly reusable lenses investigated in this work were Proclear® and  
145 Biofinity® (CooperVision Inc.) (Table 1). These lenses were selected based on the  
146 similarity of their design (e.g. lens edge shape) and as representative examples of  
147 commonly prescribed hydrogel and silicone hydrogel monthly reusable lenses.  
148 Participants were fitted with one of the two lens types and worn bilaterally (as a  
149 matching lens pair) on a daily wear, reusable basis for a period of 12-14 days.

150

151 All participants used Opti-Free® Puremoist® multi-purpose contact lens solution (Alcon  
152 Laboratories Inc.) throughout the study together with the manufacturer-provided flat  
153 lens case. The care regimen is described as a buffered solution containing the dual  
154 disinfectants/preservatives POLYQUAD® (polyquartanium-1) 0.001% and ALDOX®  
155 (myristamidopropyl dimethylamine) 0.0006%[9] . Two wetting agents; Tetronic 1304  
156 (BASF Corporation) and a proprietary linear diblock copolymer composed of  
157 poly(oxyethylene)-poly-(oxybutylene) named EOBO, HydraGlyde® Moisture Matrix  
158 are present as well as sodium citrate, sodium chloride, boric acid, sorbitol,  
159 aminomethylpropanol and disodium EDTA. Participants were instructed to use the  
160 solution following the manufacturer guidelines which also included a rub-and-rinse  
161 step.

162

### 163 **2.2 Study Design**

164 This was a prospective, parallel-group, randomised, investigator-masked, multi-site  
165 study based at four academic institutions: Aston University (Birmingham, UK),  
166 University of Bradford (Bradford, UK), Cardiff University (Cardiff, UK), and Glasgow

167 Caledonian University (Glasgow, UK). All four sites received human ethics approval  
168 from their respective institutional research ethics committee. The study conformed to  
169 the tenets of the Declaration of Helsinki and all participants provided written informed  
170 consent prior to enrolment.

171

172 Inclusion criteria included being aged between 18-40 years with astigmatism  $\leq 0.75$ DC,  
173 being deemed suitable for contact lens wear following anterior eye assessment and  
174 being in possession of an in-date spectacle prescription. Participants were excluded if  
175 they had a history of contact lens wear within the previous six months, were pregnant  
176 or breast-feeding, had had recent refractive surgery, had a known hypersensitivity to  
177 saline or sodium fluorescein, took medications known to affect contact lens wear or  
178 had a systemic or ocular condition that could affect lens wear. The sample size of  
179 participants required for the study was estimated using power calculations from a  
180 previous study using daily disposable lenses[4]: 10 participants in each  
181 adaptation/lens material group would have 80% power to detect a difference of at least  
182 10 points on a 0-100 grading scale for subjective scores.

183

184 Participants attended three visits. At the initial visit, baseline investigations included  
185 refraction, visual acuity, non-invasive tear breakup time (NIBUT) using either a  
186 Tearscope Plus (Keeler, Windsor, UK) or keratometry mires (Bausch and Lomb  
187 Rochester NY, USA) and slit lamp examination of the ocular surface: bulbar, limbal  
188 and palpebral conjunctival hyperaemia, palpebral roughness, and corneal staining  
189 were graded to the nearest 0.1 units using Efron grading scales[10]. The assessment  
190 was performed using 16x magnification under white light with the addition of sodium  
191 fluorescein (1.5 mg impregnated strips) for the observation of corneal staining using  
192 blue light together with a yellow enhancement filter in front of the observation  
193 system[11].

194

195 All eligible participants at each site were assigned to one of the two lenses for the  
196 investigation, with each site only fitting one of the lens types. Lens fit was assessed  
197 using the simplified approach proposed by Wolffsohn and colleagues[12]. An  
198 unacceptable fit was identified by the presence of limbal excursion or if there were two  
199 or more minus grading values for the fitting parameters. Subjective responses were  
200 reported using 0-100 visual analogue scales where 0 indicated a very poor or negative

201 experience and 100 indicated a very positive experience. At initial lens dispensing the  
202 following were recorded: 'comfort before lens application', 'overall comfort' and 'visual  
203 quality'.

204

205 Participants were then randomly allocated to one of two adaptation schedules; i) no  
206 build-up of wearing time (fast adaptation) where participants would wear lenses for 10  
207 hours from the first day or ii) a more gradual build-up (gradual adaptation) where  
208 participants would wear lenses for 4 hours on the first day and increase their wear  
209 time by 2 hours on each subsequent each day until they reached 10 hours.  
210 Investigators collecting data were masked to the adaptation schedule group. All  
211 participants were instructed fully on contact lens application and removal and given  
212 full instructions on how to care for their lenses, including the use of the care regimen.

213

214 Participants returned to the clinic for two further follow-up visits once they had reached  
215 10 hours of lens wear: i) 4-6 days and ii) 12-14 days after fitting. Slit lamp  
216 biomicroscopy and NIBUT assessments were carried out at both visits similarly to the  
217 initial baseline visit. The following subjective scores were recorded using 0-100 visual  
218 analogue scales: 'comfort prior to lens application', 'overall comfort', 'vision quality',  
219 'lens awareness throughout the day', 'end-of-day comfort', 'ease of lens application'  
220 and 'ease of lens removal'. Participants were also asked to record these same  
221 parameters after wearing the lenses for 7 days and to return the completed  
222 questionnaire at the final visit.

223

### 224 **2.3 Statistical Analysis**

225 Statistical analyses were performed using IBM SPSS Statistics (v23 IBM Corp.  
226 Chicago, Illinois, USA). The data were not found to be normally distributed  
227 (Kolmogorov-Smirnov Test  $p < 0.05$ ) therefore Mann-Whitney U tests were used to  
228 investigate the differences between the gradual and fast adaptation groups at each  
229 visit. The statistical significance level was set at  $p < 0.05$ .

230

231



### 232 3. Results

233 Seventy-four participants were enrolled and the demographics of the study groups are  
234 shown in Table 2. Overall the age range of all the study cohorts remained similar  
235 between 18-28 years, and the range of refractive error (spherical equivalent) was  
236 between +0.25 and -6.50 DS. All recruited participants completed the study and no  
237 adverse events occurred. No lens fits were deemed 'unacceptable'.

238

#### 239 3.1 Ocular surface physiology and tear film stability

240 There were no statistically significant differences ( $p>0.05$ ) in ocular surface physiology  
241 or NIBUT measurements between the two adaptation schedule groups at baseline, or  
242 at the two follow-up visits for the hydrogel or silicone-hydrogel wearers (Tables 3 and  
243 4); the only exception was after 4-6 days of wear, when the gradual adaptation silicone  
244 hydrogel wearers demonstrated significantly lower scores for corneal staining  
245 compared to the fast adaptation group ( $p=0.019$ ; Table 4), but this difference was not  
246 sustained after 12-14 days of lens wear.

247

#### 248 3.2 Subjective assessments

249 At baseline there were no statistically significant differences ( $p>0.05$ ) in subjective  
250 scores between the two adaptation schedule groups for both the hydrogel (Table 5)  
251 and silicone hydrogel (Table 6) wearers. This was also true at 4-6 days and day 7 after  
252 lens wear commenced. After 12-14 days of silicone hydrogel lens wear, 'lens  
253 awareness' ( $p=0.02$ ) was significantly better in the gradual compared to the fast  
254 adaptors, but there were no other differences between the adaptation schedules  
255 (Table 5 and Table 6).

256

### 257 4. Discussion

258 This study built upon the knowledge gained from the first investigation on this topic  
259 which compared the effect of a fast compared to a more traditional gradual adaptation  
260 schedule on ocular surface physiology and subjective acceptance in neophyte daily  
261 disposable lens wearers[4]. As far as possible the same methodology and statistical  
262 analyses were repeated for the current second sister study, this time, using reusable  
263 daily wear contact lenses. Overall, the results from the present work are similar to  
264 those found in the previous study. Neither a fast nor a gradual adaptation schedule

265 had any major impact on the short-term ocular surface physiology or tear film stability  
266 with modern hydrogel or silicone hydrogel reusable contact lenses.

267

268 In hydrogel lens wear there were no differences between adaptation groups for bulbar,  
269 limbal or palpebral hyperaemia across time points and this was also the case for  
270 palpebral roughness and corneal staining. Similar results were seen in the silicone  
271 hydrogel lens wearers except that the gradual adaptation group demonstrated  
272 reduced levels of corneal staining after 4-6 days compared with the fast group. Given  
273 that the corneal staining scores were 0.3 versus 0.1 Efron grading units (fast vs.  
274 gradual adaptation groups, respectively), it seems reasonable to conclude that these  
275 differences are not clinically significant since their magnitude lies within the 'normal'  
276 range on this grading scale[13]. Any differences between the two groups in this  
277 parameter had disappeared by 12-14 days.

278

279 Contact lens wear causes disruption to the normal tear film structure and function [14-  
280 16] which is thought to be a significant factor in negatively impacting ocular discomfort  
281 despite the lack of conclusive evidence linking the two. No differences were observed  
282 between the two adaptation schedules for NIBUT in either lens type at either visit  
283 which suggests that tear film stability is not adversely affected as a result of how  
284 quickly the wearing time is built up in reusable lenses. Overall, these results are very  
285 similar to earlier findings investigating adaptation schedule in daily disposable  
286 wearers[4] with the exception that in the daily disposable work a longer NIBUT was  
287 found in those undergoing a gradual adaptation in silicone hydrogel lenses at the 12-  
288 14 day visit.

289

290 In terms of subjective comfort-related responses, there were no statistically significant  
291 differences between the two adaptation groups in the hydrogel lens wearers.  
292 Interestingly, in hydrogel daily disposable wearers 'lens awareness' and 'end-of-day'  
293 comfort were shown to be better in the fast versus the gradual adaptation group after  
294 7 and 12-14 days, respectively[4]. No such differences have been demonstrated in the  
295 current work which could be as a result of the particular hydrogel lens design chosen,  
296 lens deposition differences or factors related to the lens/solution combination. This  
297 lack of comfort-related symptoms difference between the two adaptation groups is in

298 line with no differences being observed in ocular physiology and NIBUT in this lens  
299 type.

300

301 In the silicone hydrogel wearers, 'lens awareness' scores were better (i.e. scores were  
302 higher which corresponded to reduced lens awareness) in the gradual adaptation  
303 versus the fast adaptation group at the 12-14 day visit and this difference (86 vs. 71)  
304 is quite marked. The gradual adaptors also presented with significantly reduced  
305 corneal staining at the 4-6 day time point and it is not clear if this could have  
306 contributed to the subsequent lens awareness increases in this group at the following  
307 visit. Previous work has shown a link between comfort and levels of SICS staining[17-  
308 19], yet it is unlikely that the use of other lens care solutions such as hydrogen peroxide  
309 would have reduced the level of corneal staining observed or changed the study  
310 outcome as the frequency of cleaning was the same between the fast and gradual  
311 adaptation groups. It would be interesting to investigate whether or not this 'lens  
312 awareness' difference persists longer-term, but the difference between the two  
313 adaptation groups in this lens type is somewhat offset by there being no other  
314 differences in subjective comfort scores over the two-week study period.

315

316 Visual quality was similar for the adaptation groups in both lens types at all time points  
317 across the two-week period, which is in line with previous findings for daily disposable  
318 lenses. This study also evaluated subjective handling aspects relating to 'ease of  
319 application' and 'ease of removal' at each follow-up visit; as with the daily disposable  
320 lens study, no significant differences were found between the fast and gradual  
321 adaptation groups at any of the time points or for either lens type. This result is not  
322 unexpected given that the total amount of handling time is the same whichever  
323 adaptation schedule is followed i.e. participants would be applying and removing the  
324 lenses once per day.

325

326 Overall, the results from this work suggest that gradual adaptation to modern spherical  
327 reusable disposable soft lenses is unnecessary, regardless of the oxygen permeability  
328 of the material. As has been previously stated, this does not mean that wearers should  
329 be instructed to wear their lenses for 10 hours from the start regardless, but rather a  
330 sensible approach would be to instruct patients to wear them for as long as they are  
331 comfortable up to a suggested maximum. The first few weeks of lens wear are very

332 important in terms of the long-term success of a new contact lens wearer so the patient  
333 should be followed up to determine whether they have any issues that need  
334 addressing[20].

335

336 This work with reusable soft contact lenses has added to the growing body of evidence  
337 showing that gradual adaptation in neophytes has little clinical benefit compared to a  
338 fast adaptation approach in both hydrogel and silicone hydrogel lenses. These findings  
339 have important ramifications for the clinical management of these patients in the initial  
340 lens wear period.

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Lens name	Biofinity®	Proclear®
Manufacturer	CooperVision Inc.	CooperVision Inc.
Material	Comfilcon A	Omafilcon B
Base Curve (mm)	8.6	8.6
Total Diameter (mm)	14.0	14.2
Water content (%)	48	62
Oxygen permeability (ISO units)	96	20
Back vertex power range (BVP)	+8.00 to -12.00D	+6.50 to -20.00D

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434 **Table 1:** Study lenses (parameters from the ACLM Yearbook)[21]

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<b>Lens</b>	<b>Experimental Group</b>	<b>Participants</b>	<b>Age (years)</b>	<b>Male/Female Ratio</b>	<b>Refraction (Spherical equivalent in dioptres)</b>
Biofinity®	Gradual	17	18 - 23	4 / 13	+0.25 to -6.50D
	Fast	18	18 - 28	1 / 17	+0.25 to -4.50D
Proclear®	Gradual	20	18 - 27	3 / 17	+0.50 to -5.25D
	Fast	19	18 - 28	6 / 13	+0.50 to -6.50D

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438 **Table 2:** Demographic and refractive details of the study participants.



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		Baseline			Day 4-6			Day 12-14		
		Mean	SD	P	Mean	SD	P	Mean	SD	P
Bulbar Hyperaemia	Fast	0.8	±0.6	0.879	0.7	±0.7	0.365	1.0	±0.7	0.351
	Gradual	0.8	±0.8		0.9	±0.6		0.7	±0.8	
Limbal Hyperaemia	Fast	0.6	±0.4	0.945	0.8	±0.4	0.322	0.7	±0.6	0.322
	Gradual	0.6	±0.6		0.6	±0.6		0.5	±0.6	
Palpebral Hyperaemia	Fast	0.8	±0.5	0.728	0.8	±0.7	0.771	0.8	±0.6	0.513
	Gradual	0.7	±0.6		0.8	±0.6		0.7	±0.7	
Palpebral Roughness	Fast	0.7	±0.5	0.444	0.6	±0.6	0.879	0.6	±0.7	0.513
	Gradual	0.6	±0.5		0.6	±0.5		0.4	±0.5	
Corneal Staining	Fast	0.3	±0.4	0.771	0.5	±0.5	0.559	0.5	±0.4	0.708
	Gradual	0.1	±0.2		0.3	±0.4		0.5	±0.4	
Non-invasive breakup time (s)	Fast	9.1	±1.4	0.999	8.2	±1.1	0.270	7.6	±1.3	0.351
	Gradual	9.0	±1.6		8.7	±1.2		8.1	±1.6	

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443 **Table 3:** Comparison of ocular physiology in fast and gradual adaptation of  
 444 neophytes fitted with reusable hydrogel soft contact lenses. Efron scale grading  
 445 between 0 and 4 units, using 0.1 increments. SD = standard deviation; p = significance  
 446 value. (bold indicates level <0.05).

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		Baseline			Day 4-6			Day 12-14		
		Mean	SD	P	Mean	SD	P	Mean	SD	P
Bulbar Hyperaemia	Fast	0.6	±0.4	0.335	0.8	±0.4	0.173	0.9	±0.4	0.883
	Gradual	0.7	±0.4		0.8	±0.4		0.9	±0.4	
Limbal Hyperaemia	Fast	0.5	±0.4	0.636	0.6	±0.4	0.883	0.7	±0.3	0.660
	Gradual	0.5	±0.4		0.5	±0.3		0.8	±0.4	
Palpebral Hyperaemia	Fast	0.4	±0.3	0.590	0.4	±0.4	0.393	0.5	±0.5	0.405
	Gradual	0.5	±0.4		0.5	±0.4		0.6	±0.5	
Palpebral Roughness	Fast	0.4	±0.2	0.732	0.4	±0.2	0.463	0.5	±0.3	0.935
	Gradual	0.3	±0.2		0.5	±0.4		0.5	±0.4	
Corneal Staining	Fast	0.2	±0.3	0.999	0.3	±0.3	<b>0.019</b>	0.3	±0.4	0.351
	Gradual	0.1	±0.2		0.1	±0.2		0.2	±0.3	
Non-invasive breakup time (s)	Fast	11.1	±3.2	0.590	10.1	±2.0	0.270	9.6	±2.9	0.613
	Gradual	11.1	±2.3		10.4	±2.6		10.1	±4.2	

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450 **Table 4:** Comparison of ocular physiology in fast and gradual adaptation of  
451 neophytes fitted with reusable silicone hydrogel soft contact lenses. Efron scale  
452 grading between 0 and 4 units, using 0.1 increments. SD = standard deviation; p =  
453 significance value. (bold indicates level <0.05).

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		Baseline			Day 4-6			Day 7			Day 12-14		
		Me	SD	p	Me	SD	p	Me	SD	p	Me	SD	p
Comfort prior to lens wear	Fast	97.9	±4.2	0.428	96.1	±7.6	0.411	97.1	±5.6	0.923	98.7	±3.3	0.749
	Gradual	99.0	±4.5		97.5	±7.3		96.8	±7.8		96.3	±8.7	
Overall comfort	Fast	85.5	±9.1	0.708	81.1	±15.4	0.461	78.7	±17.5	0.478	82.4	±13.3	0.351
	Gradual	86.0	±11.4		85.0	±13.2		83.0	±16.2		86.0	±12.3	
Visual quality	Fast	93.2	±8.0	0.687	94.2	±7.9	0.127	91.6	±10.5	0.336	95.3	±6.3	0.283
	Gradual	91.5	±15.2		85.5	±17.5		86.5	±14.5		88.8	±16.7	
Lens Awareness	Fast				77.9	±16.3	0.627	76.7	±18.8	0.478	76.6	±22.1	0.513
	Gradual				75.0	±18.9		73.6	±17.4		74.5	±18.3	
End of Day Comfort	Fast				72.9	±22.6	0.835	70.3	±24.4	0.945	70.8	±22.7	0.967
	Gradual				75.0	±22.9		73.5	±20.7		72.8	±17.3	
Ease Application	Fast				84.7	±12.9	0.846	85.8	±15.2	0.989	88.9	±14.4	0.687
	Gradual				90.5	±11.0		87.8	±10.2		88.3	±12.2	
Ease Removal	Fast				89.7	±11.0	0.270	92.6	±11.9	0.967	91.8	±10.3	0.569
	Gradual				94.3	±8.5		92.5	±12.0		94.8	±7.7	

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457 **Table 5:** Comparison of subjective ratings in fast and gradual adaptation of  
 458 neophytes fitted with reusable hydrogel soft contact lenses using visual analogue  
 459 scales (0-100). SD = standard deviation; p = significance value (bold indicates level  
 460 <0.05).

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		Baseline			Day 4-6			Day 7			Day 12-14		
		Me	SD	p	Me	SD	p	Me	SD	p	Me	SD	p
Comfort prior to lens wear	Fast	92.0	±9.9	0.660	88.9	±13.7	0.832	93.1	±9.0	0.961	93.6	±7.7	0.546
	Gradual	93.7	±9.3		91.7	±9.0		93.2	±8.8		95.3	±7.3	
Overall comfort	Fast	77.5	±20.9	0.613	74.4	±21.4	0.525	81.5	±15.8	0.832	79.8	±17.9	0.318
	Gradual	80.8	±20.4		80.6	±13.8		84.6	±9.8		87.5	±10.0	
Visual quality	Fast	88.8	±11.0	0.546	79.4	±18.8	0.503	87.9	±6.5	0.909	89.1	±9.1	0.708
	Gradual	83.2	±17.4		82.2	±20.0		84.6	±16.3		88.3	±13.4	
Lens Awareness	Fast				74.7	±28.1	0.618	78.0	±21.7	0.732	71.0	±21.3	<b>0.019</b>
	Gradual				74.7	±19.5		76.1	±22.1		86.1	±11.5	
End of Day Comfort	Fast				70.6	±26.4	0.987	73.4	±20.5	0.961	76.1	±17.1	0.369
	Gradual				74.3	±18.1		72.7	±19.3		81.3	±17.3	
Ease Application	Fast				81.3	±15.2	0.163	82.9	±14.9	0.999	90.3	±9.8	0.732
	Gradual				69.6	±21.5		81.8	±15.9		87.4	±13.2	
Ease Removal	Fast				83.0	±17.4	0.525	87.7	±13.4	0.937	93.6	±8.8	0.613
	Gradual				80.7	±15.3		87.5	±13.6		90.4	±13.3	

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465 **Table 6:** Comparison of fast and gradual adaptation of neophytes fitted with  
466 reusable silicone hydrogel soft contact lenses using visual analogue scales (0-100).  
467 SD = standard deviation; p = significance value. (bold indicates level <0.05).