

OD Staging Area

ULTIMATE-K

keratoconus

OS Staging Area

STEP 1: Lens selection

Corneal cylinder over four diopters:

Start with the base curve closest to one diopter flatter than average K reading.

Corneal cylinder under four diopters:

Start with the base curve closest to one diopter steeper than flat K reading.

STEP 2: Evaluate central fit

With a centered lens a slight touch at the apex is preferred

Too much clearance or bubbles trapped under the lens indicates the base curve is too steep or the optic zone is too large, try the next flatter lens.

If there is too much movement or touch the lens is too flat, try a steeper lens.

Continue until you achieve a slight amount of apical touch and an adequate amount of movement to allow sufficient tear exchange

STEP 3: Evaluate the peripheral fit

With a good central fit, evaluate the edge lift

Make sure there is an even fluorescein band at the peripheral curve and no seal off (may cause an indentation) outside the base curve.

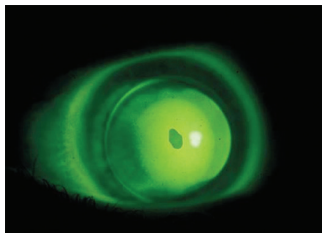
If there is too much edge lift, order a lens with a steeper peripheral curve.

If there is not enough edge lift, order a lens with flatter peripheral curve.

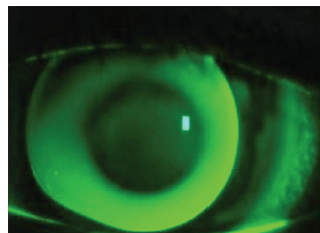
If there is seal off in the secondary curve it may not allow tear exchange under the lens, order a lens with a flatter secondary curve or reduce the optic zone.

STEP 4: Final power

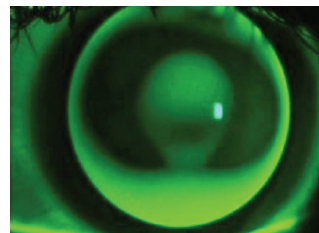
Perform a spherical over-refraction to identify the final power required for best acuity. If unable to achieve adequate acuity, try a spherocylindrical over-refraction.



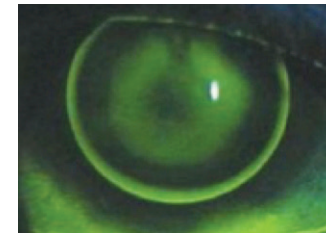
Too Steep



Too Flat



Too Flat



Optimal Fit

Visionary Consultation (800) 488.2020

7.50	8.10 / .2	7.34	8.10 / .2	7.18	7.80 / .2	7.03	7.80 / .2	6.89	7.50 / .2	6.75	7.50 / .2
-4.00	9.00 / .2	-4.00	9.00 / .2	-6.00	8.70 / .2	-6.00	8.70 / .2	-8.00	8.40 / .2	-8.00	8.40 / .2
9.2	9.90 / .2	9.2	9.90 / .2	9.2	9.60 / .3	9.2	9.60 / .3	9.0	9.30 / .3	9.0	9.30 / .3
7.4	11.00 / .3	7.4	11.00 / .3	7.2	11.00 / .3	7.2	11.00 / .3	7.0	11.00 / .3	7.0	11.00 / .3

6.55	7.20 / .2	6.37	7.20 / .2	6.19	6.80 / .25	6.03	6.80 / .25	5.86	6.50 / .25	5.72	6.50 / .25
-8.00	8.10 / .2	-8.00	8.10 / .2	-8.00	7.70 / .25	-8.00	7.70 / .25	-10.00	7.40 / .2	-10.00	7.40 / .25
9.0	9.00 / .3	9.0	9.00 / .2	9.0	8.60 / .3	9.0	8.60 / .3	8.8	8.30 / .3	8.8	8.30 / .3
7.0	10.50 / .3	7.0	10.50 / .3	6.8	10.50 / .3	6.8	10.50 / .3	6.6	10.00 / .3	6.6	10.00 / .3

5.58	6.20 / .25	5.44	6.20 / .25	5.27	5.90 / .3	5.11	5.90 / .3	4.96	5.60 / .3	4.82	5.60 / .3
-10.00	7.10 / .25	-10.00	7.10 / .25	-12.00	6.80 / .3	-12.00	6.80 / .3	-14.00	6.50 / .3	-14.00	6.50 / .3
8.8	8.00 / .3	8.8	8.00 / .3	8.8	7.70 / .3	8.8	7.70 / .3	8.6	7.40 / .3	8.6	7.40 / .3
6.6	10.00 / .3	6.6	10.00 / .3	6.4	9.50 / .3	6.4	9.50 / .3	6.2	9.00 / .3	6.2	9.00 / .3