ULTRAWAVE

INITIAL REQUIREMENTS

Assess patient's suitability for contact lens wear in normal way.

- Complete spectacle refraction.
- Keratometry readings.
- Horizontal Visible Iris Diameter (HVID).

INITIAL FITTING

Calculate the initial best vision sphere (BVS) using the following formula:

$$BVS = Sphere + \frac{Cylinder}{2}$$

Select lens of equivalent power to the best vision sphere (BVS) for the patient, allowing for vertex distance adjustments if the BVS power is greater than +/- 4.00D.

Insert selected lens and assess initial comfort and movement.

OVER REFRACTION

Carry out an over refraction to find the final BVS for distance.

Order the lens with the power of the final BVS.

FITTING ASSESSMENT

After the lens has settled for 5 minutes, assess vision and fit including the following points:

- The lens should exhibit good centration on primary (straight ahead) gaze and good corneal coverage.
- Vertical movement on blinking (on upward gaze) should be between 0.5mm and 1mm.
- The push up test (PUT) should show fast and smooth recentration of the lens.
- There should be no scleral indentation or blanching. The patient should experience good comfort.

EARLY PRESBYOPES

For early presbyopes, the improved depth of focus of the Ultrawave 60 lens allows the following options to be investigated:

1) Assess the near vision capability of the patient with the correct distance BVS (over refraction) in place. If this is suitable order the lenses using this power (as above).

2) If the near vision is not acceptable insert lenses with power +0.50DS greater than the distance BVS in both eyes. Then reassess the near vision and distance vision. If both are acceptable then order this power.

3) If neither of the above provides acceptable vision then consider adding +1.00DS to the non-dominant eye only, leaving the dominant eye with the normal BVS for distance. Then reassess the near and distance acuities binocularly. Due to the unique multi-aspheric front surface lens design, good binocular intermediate vision can be obtained even with the monovision solution.

FOR FURTHER DETAILS
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