

## CASE STUDY

PRESBYOPIA - LARGE DIAMETER CORNEAL RGP LENS

C.J.F.M. BROOS BOPTOMETRIST

HO Male 52

## HISTORY

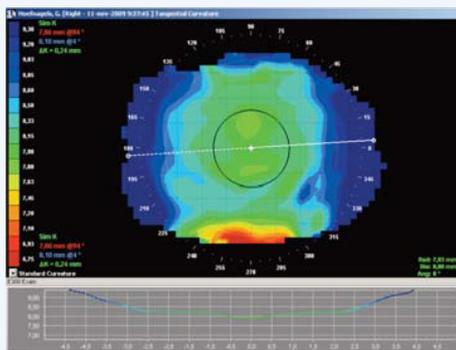
HO came for a second opinion on his multifocal contact lenses. He has been a hard and GP lens wearer for 35 years without problems and wished to continue in this modality. HO had been wearing multifocal lenses for 2 years, but from the beginning complained of visual problems. Both near and distance vision were blurred and haloes disturbed his vision. Comfort was acceptable, but he preferred to remove them in the evening. When the lenses were examined, they were judged to be low-riding.

	OD	OS
Current Vision:	V 0.8- (6/75- or 20/25-)	V 0.8+ (6/75+ Or 20/25+)
Rx [CL]:	7.85 (43.00D) -7.75 9.6 aspheric RGP add 2.5	7.90 (42.75D) -6.00 9.6 aspheric add 2.50

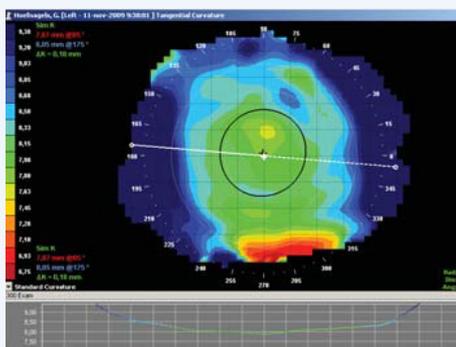
Plan. A refit was attempted with a larger diameter lens in a high Dk material in order to improve comfort and visual performance.

### Topography

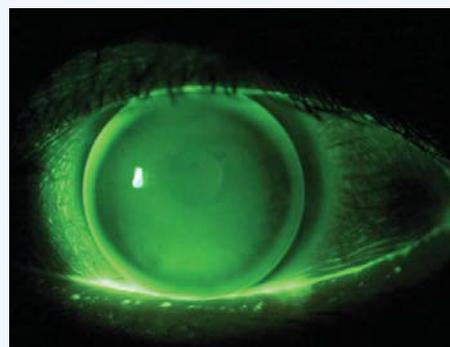
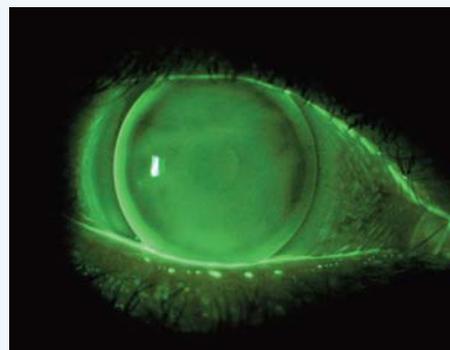
OD



OS



### Max Prestige® Optimum Extreme™ Correct Fluorescein



## CASE STUDY

PRESBYOPIA - LARGE DIAMETER CORNEAL RGP LENS

C.J.F.M. BROOS BOPTOMETRIST

HO Male 52

## LENS FITTED

Max Prestige<sup>®</sup> Correct in Optimum Extreme<sup>TM</sup>

	OD	OS
Keratography	8.10 [41.50D] @ 4° / 7.86 [43.00D] @ 94°	8.05 [42.00D] @ 175° / 7.87 [43.00D] @ 85°
Autorefracto	-7.00 = Cyl -1.75 @ 178°	-7.00 = Cyl -0.75 @ 108°
Lens parameters	8.00 -7.00 10.4 Correct 0.31 [E Value] add 2.25	8.00 -6.25 10.4 Correct 0.42 [E Value] add 2.25
VA	1.1- [6/5.5+ or 20/18+] near: 0.67 [J3 or N5]	1.0+ [6/6+ or 20/20+] near: 0.67 [J3 or N5]

## DISCUSSION/CONCLUSION

A large diameter GP contact lens in the correct design and material can definitely contribute to improved comfort and visual correction. In order to achieve the correct construction, it is important that the topography pictures are interpreted correctly. For the Max Correct construction it is important that the "e" value is stipulated at 30° in the 90° meridian with a chord value as great as possible. In order to achieve success in this design, it is important that there is enough room on the cornea for the lens to move, so that it can translate completely at downward near gaze.

Distributed By



UCO  
 Hoekvaartweg 21  
 1771 RP Wieringerwerf  
 Netherlands  
  
 T: 0227-601837  
 E: info@ucolenz.nl  
  
 www.ucolenz.nl

Produced By

Contamac Ltd  
 Carlton House, Shire Hill  
 Saffron Walden, Essex  
 CB11 3AU

T. +44 (0)1799 51480  
 E. sales@contamac.co.uk  
 www.contamac.com

REF NO: 161201