

CASE RECORD 4: H R BELL

PX DETAILS

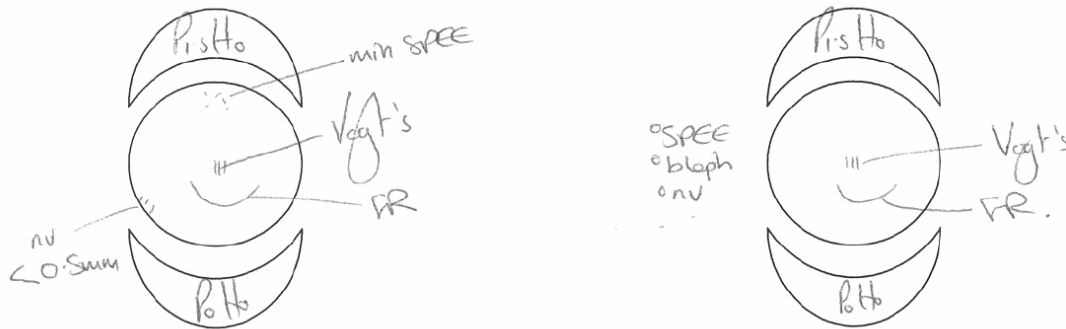
- Px MM
- Age 24
- Diagnosis: Bilateral Keratoconus
- Contact Lens History: Only previously tried soft contact lenses.

REFRACTION

R: +3.50/-4.50 x 90 0.10(6/7.5)

L: +5.00/-5.00 x 92 0.10 (6/7.5)

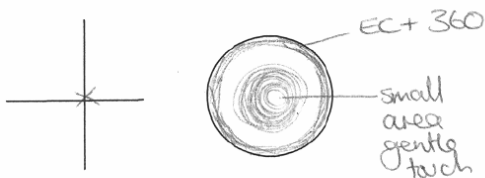
SLIT LAMP



FINAL CONTACT LENS FIT

R: Jack Allen Profile N2 (7.46/9.30/+1.00DS) DK60

L: Jack Allen Profile N2 (7.46/9.30/Plano) with half step decreased EC DK60



OUTCOME

This patient is still building up wear time but managing well and will be reviewed in 4 months time.

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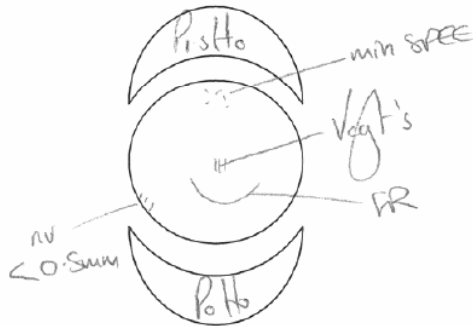
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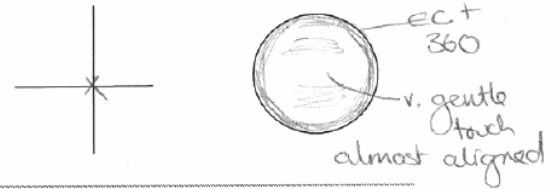
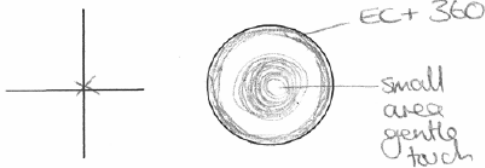
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OUTCOME

This patient is still building up wear time but managing well and will be reviewed in 4 months time.

Name: ID: Date of Birth: Age: Sex:

Exam A: 24/10/2006 14:51:13 Right (25)

Cornea Front

Rm: 6.92 mm Rm: 48.8 D
 Rh: 7.18 mm Rh: 47.0 D
 Rv: 6.65 mm Rv: 50.7 D
 Axis: 19.6° Astig: -3.7 D
 Rperi: 7.96 mm Rminx: 5.87 mm

QS: OK Model
 Ecc: 1.10

Cornea Back

Rm: 5.40 mm Rm: -7.4 D
 Rh: 5.54 mm Rh: -7.2 D
 Rv: 5.27 mm Rv: -7.6 D
 Axis: 20.5° Astig: +0.4 D
 Rperi: 6.95 mm Rminx: 4.32 mm

QS: OK Model
 Ecc: 0.87

Pachy: x(mm) y(mm)
 Pupil Center: + 548 μm +0.01
 Pachy Apex: 551 μm 0.00
 Thinnest Locat: o 537 μm -0.38 -0.77

Cornea Volume: 63.4 mm³ KPD: +2.1 D
 Chamber Volume: 168 mm³ Angle: 39.7°
 A. C. Depth (Endo.): 2.87 mm Pupil Dia: 2.15 mm
 IOP(Sum): Lens Th.:

Exam B: 24/10/2006 14:56:45 Left (25)

Sagittal Curvature (Front)

OD: 10.08 11.04 10.36
 9.37 8.53 8.44 10.17 8.36
 8.42 8.37 8.35 10.33
 8.05 8.02
 6.59 6.67
 8.40 8.21 8.31 8.38 8.33

Corneal Thickness: 1076 888 760 732 748 761 973 767 979 924 886 577 756 900 825 747 747 1035 917 932 965

Sagittal Curvature (Front)

OS: 9.00 8.49 8.65 8.38 8.33
 8.50 8.43 8.30 8.33 8.33
 8.20 8.16 8.45 7.91 8.33
 6.79 6.79

Corneal Thickness: 786 738 721 797 878 896 954 836 744 591 553 521 836 876 740 558 513 883 916 914 808

Pachy: x(mm) y(mm)
 Pupil Center: + 491 μm +0.11 +0.03
 Pachy Apex: 491 μm 0.00
 Thinnest Locat: o 476 μm +0.21 -0.70

Cornea Volume: 59.8 mm³ KPD: +2.2 D
 Chamber Volume: 154 mm³ Angle: 40.9°
 A. C. Depth (Endo.): 2.81 mm Pupil Dia: 2.17 mm
 IOP(Sum): Lens Th.:

3.8	4.5	5.4	6.8	7.2	8.0	8.4	9.6	10.0	10.5	34.5	mm	Curvat.	Abs	340	380	500	540	580	740	780	820	860	900	10 μm	Pachy.	Abs
-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	----	---------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-------	--------	-----

Exam B: 24/10/2006 14:56:45 Left (25)

Sagittal Curvature (Front)

OS: 9.00 8.49 8.65 8.38 8.33
 8.50 8.43 8.30 8.33 8.33
 8.20 8.16 8.45 7.91 8.33
 6.79 6.79

Cornea Front: Rm: 7.12 mm Rm: 47.4 D
 Rh: 7.35 mm Rh: 45.9 D
 Rv: 6.89 mm Rv: 49.0 D
 Axis: 160.6° Astig: -3.1 D
 Rperi: 8.13 mm Rminx: 5.91 mm

QS: OK Model
 Ecc: 1.01

Cornea Back

Rm: 5.54 mm Rm: -7.2 D
 Rh: 5.66 mm Rh: -7.1 D
 Rv: 5.42 mm Rv: -7.4 D
 Axis: 151.7° Astig: +0.3 D
 Rperi: 7.03 mm Rminx: 4.26 mm

QS: OK Model
 Ecc: 0.83

Pachy: x(mm) y(mm)
 Pupil Center: + 491 μm +0.11 +0.03
 Pachy Apex: 491 μm 0.00
 Thinnest Locat: o 476 μm +0.21 -0.70

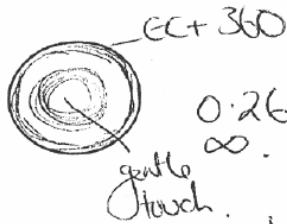
Cornea Volume: 59.8 mm³ KPD: +2.2 D
 Chamber Volume: 154 mm³ Angle: 40.9°
 A. C. Depth (Endo.): 2.81 mm Pupil Dia: 2.17 mm
 IOP(Sum): Lens Th.:

VA (V1a) (R) 0.56 (6/19)
N2 (7.46/-4.00).

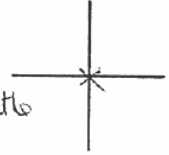
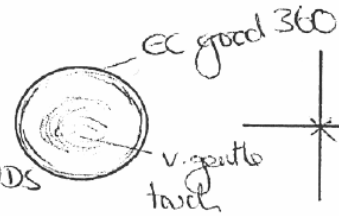
(L) 0.62 (6/24)

2nd TRIAL LENS - N3 (7.16) -6.00.

Fit



VA / OR 0.20
ORx +0.50DS
Comment



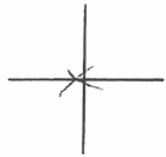
Watering ++ RIL. ? too steep

N2 (7.46/-4.00).

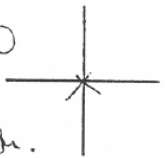
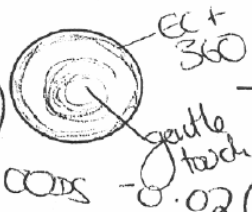
3rd TRIAL LENS

N2 (7.46/-4.00)

Fit



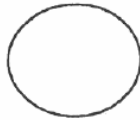
VA / OR 0.30 (6/12)
Comment ORx +4.00DS



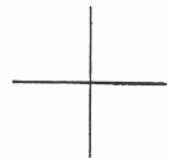
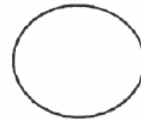
Watering ++
ORx +3.50DS 6/9.5
later ORx +5.50DS 0.20 (6/9.5)

4th TRIAL LENS

Fit



VA / OR



Comment

SPECIFICATION ORDERED (INC. LENS DESIGN)

Order (R) Profile N2 7.46/9.30/41.00

(L) Profile N2 7.46/9.30/Piuro. ↓ EC 1/2 step

MANUFACTURER

DK/TINTS/ENGRAVING ETC

PAYMENT (Y/N) 98.40. COLLECTION APPT? (Y/N)*

AFTERCARE APPT? Y/N*
(*If Yes enter when e.g. 6/12)

OPTOM. SIGNATURE H. Bell

(If more than 1 trial lens needed use fitting continuation sheet)

CONTACT LENSES

University Hospitals **NHS**
Coventry and Warwickshire
NHS Trust
Optometry Department
Paybody Eye Unit
Coventry & Warwickshire Hospital
Coventry CV1 4FH

MM

Initials

Ordered: EJ Date: 22/11/06

Buying No: _____ Date: _____

Received: EJ Date: 27/11/06

Checked: _____ Date: _____

Informed: _____ Date: _____

Home Phone No: _____

Lens Parameters N2

R. Profile 7.46/9.30/+1.00

Material: DK 60

DK/H2O contents:

Tint/Eng.

Additional Details

L. Profile N2 (7.46/9.30/Plano)

Material: DK 60.

DK/H2O contents:

Tint/Eng.

Additional Details

EC 1 step.
edge clearance

Company: JJA

To Pay:

NHS Charge / No Charge*

Price: [£ 98.40.]

Appt required for collection.

*delete as appropriate

Handed Out
(Date & Initialise)

Receipt Number 7075.

Follow-up:

ADMIN USE ONLY

Lens to be issued at appointment

Date

12/12/06

Collect lens prior to appointment

Aftercare appointment

YES / NO

Date

CCU con

Notes:

Signed

HJM


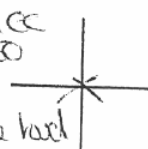
Date

21/11/06.

OPTOMETRY DEPARTMENT
CONTACT LENS COLLECTION

MM

DATE 12/12/08
AKC

<p>N2 R Provide 7.46/9.30/11.00</p>  <p>++</p>	<p>Specification of CL Inserted</p> <p>L Provide N2 (7.46/9.30/11.00)</p> 
<p>Fit</p> <p>Centration</p> <p>0.20 VA 0.20</p> <p>∞ OR ∞</p> <p>lately ++</p>	
<p>Modification Required? <input checked="" type="radio"/> Y <input type="radio"/> N</p> <p>Specification of New Lens to be ordered</p>	

Manufacturer _____
 DK/Tint/Engraving _____
 PAYMENT Y/N _____
 OPTOM. SIGNATURE H. Bell
 COLLECTION APPT? Y/N _____
 AFTERCARE APPT? Y N 4-6/52

INSERTION REMOVAL

DATE: 12/12/08

PATIENT COMPETENT? Y N
 WRITTEN INFORMATION GIVEN Y/N _____
 WEAR SCHEDULE - 1hr + 1hr per day
 SOLUTION REGIME Totalcare cleaner → saline → 4TS
 AFTERCARE APPT. 4-6/52
 PATIENT SIGNATURE _____
 OPTOM. SIGNATURE H. Bell
Advise not to sleep/wim/shower in CLS

OPTOMETRY DEPARTMENT
CONTACT LENS AFTERCARE

MM

DATE 2/3/01/07
A KC

Occupation - Plumber / Electrician.
Driver ✓

HISTORY & SYMPTOMS

Probs - occ gritty
- not wearing out work yet.

WT 7/4 AVE 3-4 hrs

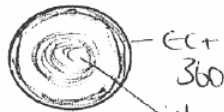
TODAY 3 hrs

Soln. Compliance

Boston system - good volume.
PRT - None. L eye drops.

R

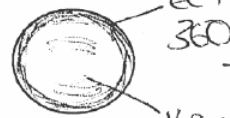
Lens Condition



small area
gentle touch.

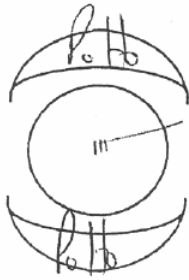
Fit
Centration

0.14 VA 0.10 (6/7.5)
+0.50DSOR +0.50DS.



v gentle touch
almost aligned.

SLIT LAMP EXAMINATION



Vogt's
on V
depth.



Vogt's
on V
depth.

TBUT

V @
H @

KERATOMETRY
TOPOGRAPHY MAP YES / NO

V @
H @

Double check reposition 10/16 Modification Required? Y / N

Specification of New Lens to be ordered

Ⓜ +3.50/-4.50 x 90, 0.10.

Ⓜ +5.00/-5.00 x 92, 0.10.

MANUFACTURER
DK/TINTS/ENGRAVING ETC

PAYMENT Y/N

COLLECTION APPT? Y/N

AFTERCARE APPT? Y/N 4/12

OTHER ADVICE GIVEN

- Issued above Rx on fls. Warned re adaptation.
- Advised build up fls.

OPTOM. SIGNATURE

H. Bell.