

المؤتمر السنوي الدولي للجمعية الرمدية المصرية

INTERNATIONAL CONGRESS OF THE

EGYPTIAN OPHTHALMOLOGICAL SOCIETY
EOS 2023



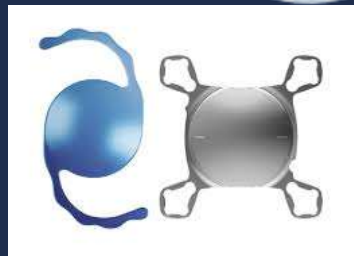
Our experience with a pseudophakic piggyback intraocular lens

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Indication for piggyback IOLs

- Primary implantation : high hypermetropia due to microphthalmos
- Secondary implantation : Refractive surprises and presbyopia



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Sulcoflex supplemental IOL (Rayner)

- One piece hydrophilic acrylic IOL
- Undulating haptics



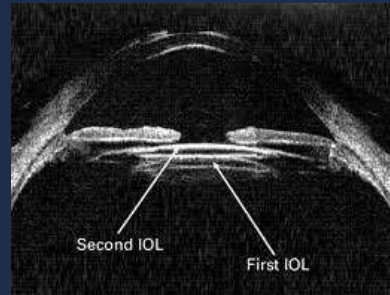
Sulcoflex supplemental IOL

- Posterior angulation 10°



Sulcoflex supplemental IOL

- Optic has convex concave shape



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Types of sulcoflex IOLS



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Our experience with a pseudophakic piggyback intraocular lens

- 10 Lenses for 6 patients
- 3 patients in both eyes (6 lenses) as primary implantation
- 4 lenses in 3 patients as secondary implantation



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Primary indication: Duat trifocal supplemental

Handwritten notes: *R 2.50 x 1.50 x 6.10 L 2.00 x 1.50 x 6.10*

V.A	P.H	Sph	Cyl	Axis	V.A
R 2.50	1.50	+1.50	-0.5	58	6/12
L 2.00	1.50	+1.50	-1.00	142	6/10

OD		OS	
AL: 24.00 mm (*)	AL: 24.00 mm (*)	AL: 24.00 mm (*)	AL: 24.00 mm (*)
K1: 43.68 D @ 1.75 mm @ 18°	K1: 43.68 D @ 1.75 mm @ 18°	K2: 43.68 D @ 1.75 mm @ 18°	K2: 43.68 D @ 1.75 mm @ 18°
K2: 44.12 D @ 1.75 mm @ 18°	K2: 44.12 D @ 1.75 mm @ 18°	K3: 44.56 D @ 1.75 mm @ 18°	K3: 44.56 D @ 1.75 mm @ 18°
K/BO: 7.00 mm @ 18.00 D	K/BO: 7.00 mm @ 18.00 D	K/BO: 7.00 mm @ 18.00 D	K/BO: 7.00 mm @ 18.00 D
Cyl: -0.44 D @ 18°	Cyl: -0.44 D @ 18°	Cyl: -1.04 D @ 12°	Cyl: -1.04 D @ 12°
ADD: 2.75 mm	ADD: 2.75 mm	ADD: 2.75 mm	ADD: 2.75 mm

RAYNER INTRACULAR LENSES LIMITED
 1-2 BUCKINGHAM TRADING ESTATE
 BUCKINGHAM ROAD, HUNTS, ENGLAND NN16 9JH

RAYNER MODEL 653F Add +3.50D
POWER +2.00D
LENGTH 14.0mm
LOT 026E8034604

RAYNER INTRACULAR LENSES LTD
 1-2 BUCKINGHAM TRADING ESTATE
 BUCKINGHAM ROAD, HUNTS, ENGLAND NN16 9JH

RAYNER MODEL RSP970C
POWER +34.0D
LENGTH 12.0mm
LOT 124E6616711

رمز الزيارة: 1
 فحص النظر
 RT: 6/15
 LT 6/15



Secondary implantation: Bilateral Sulcoflex Toric

Handwritten notes: *R 2.50 x 1.50 x 6.10 L 2.00 x 1.50 x 6.10*



Rayner The Riley Innovation Centre, 12 Danmore Way
 Woking, West Sussex, BN14 8AG, United Kingdom

Sulcoflex Toric
REF 853T
LOT 032167716 SN 13 2025-12-14
SE -7.00D Sph -10.00D Cyl +6.00D

Rayner The Riley Innovation Centre, 12 Danmore Way
 Woking, West Sussex, BN14 8AG, United Kingdom

Sulcoflex Toric
REF 853T
LOT 030150069 SN 12 2024-12-04
SE -6.50D Sph -9.50D Cyl +6.00D

رمز الزيارة: 196-42
 فحص النظر
 RT: 6/20
 LT 6/19

Secondary implantation: unilateral Sulcoflex Toric

V.A	P.H	Sph	Cyl	Axis	V.A	P
2/60		-5.0	-1.0	5°	6/10	
6/5						

6/2/2023
 رمز الزيارة:
 التاريخ:
 فحص النظر
 5.0
 RT: 6/9+
 LT 6/7.5+2



conclusion

- Sulcoflex IOLs are effective for secondary enhancement of the surgical result and for primary “Duet implantation”
- They represent a reversible or exchangeable technology

