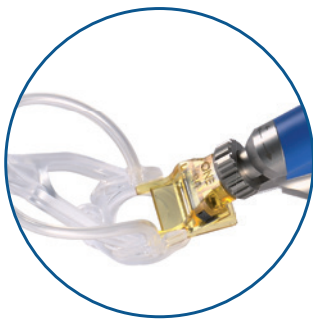


# Moria



## Hyperopia & Flat Corneas Single-Use Large-Cut Kit

For LARGE to EXTRA-LARGE stromal beds

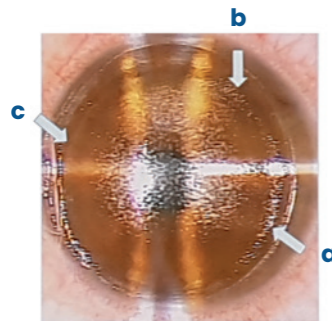


**Expert-Focus on large LASIK flaps  
for hyperopia & wide treatments**



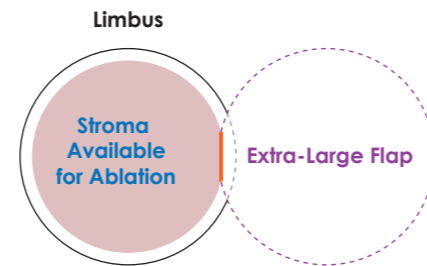
With latest generation of excimer lasers offering **larger optical zones** and **smoother transition zones**<sup>1</sup>, hyperopic LASIK is now gaining more and more popularity even if **challenges still remain**:

- ▶ hyperopic eyes often present with an unusually large angle Kappa ( $\kappa$ ), resulting in a **nasally displaced light reflex**<sup>2</sup>
- ▶ **size of the transition zone** of latest excimer lasers varies according to the magnitude of hyperopia to be treated<sup>3</sup>



**Specifications for an ideal flap sizing**<sup>4</sup>:  
to be large enough to treat:

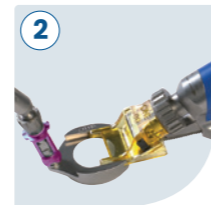
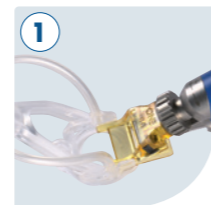
- a** - the optical zone
- b** - & the transition zones
- c** - & some additional peripheral tissue while not compromising flap edges



That's why Moria specifically proposes a **Hyperopic Single-Use Large-Cut Kit**:

- the -1 Large-Cut single-use suction ring for regular cases from 39 to 44  $\delta$
- the -1 Large-Cut reusable suction ring for very flat Ks or extra-large flaps

Suction ring		Single-use -1 Large-Cut ①	Reusable -1 Large-Cut ②
Moria nomogram		#65041	#65067
Calibrated Large-Cut head		110- $\mu$ m & 130- $\mu$ m	
Vertical flap diameter based on K readings (assumptions, mm)	37	-	9.3
	38	-	9.4
	39	9.3	>9.7
	40	9.5	>10.0
	41	9.8	>10.2
	42	10.0	>10.3
	43	10.3	-
44	10.5	-	



### Suction ring

- ① **UU -1LC** → single-use plastic ring, size -1 Large-Cut, coming from single-use pack (head & ring): **#19354/110**
- ② **RU -1LC** → reusable metallic ring, size -1 Large-Cut, with a purple-colored stopper: **#19519/-1**

### Cutting head

- 110 LC** → 110-micron calibrated Large-Cut head, coming from single-use pack (head & ring): **#19354/110**
- 130 LC** → 130-micron calibrated Large-Cut head, coming from single-use pack (head & ring): **#19354/130**



## My Technique

Dr Laurent Gauthier-Fournet  
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## HYPEROPIA & LARGE TREATMENTS

### Rationale for One Use-Plus microkeratome to allow large treatment zones

The treatment of high hyperopia in corneal refractive surgery has always been a challenge<sup>1</sup>

With latest excimer laser platforms, such as the Amaris by Schwind (Germany), the size of the transition zone varies according to the magnitude of the hyperopia to be treated:

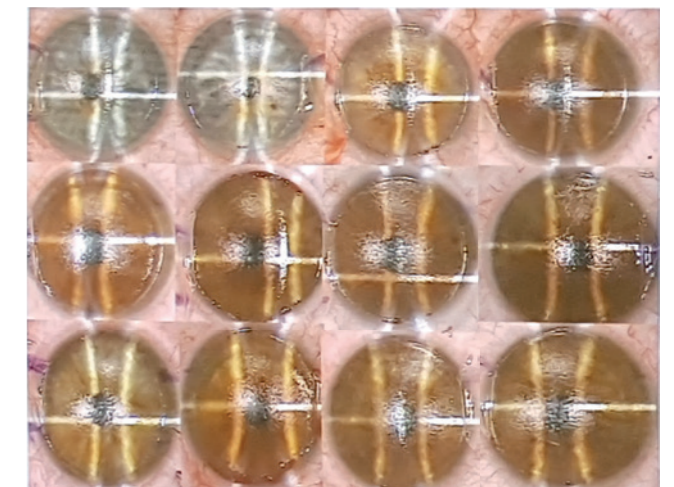
- +1.50  $\delta$  hyperopia: OZ = 6.70 mm → total treatment zone = 7.81 mm
- +6.00  $\delta$  hyperopia: OZ = 6.70 mm → total treatment zone = 9.20 mm\*

\* For such large treatment zones, a **LASIK flap size of at least 10 mm is recommended**.

The higher the amount of ablation in the periphery, the more important it is to optimize the optical quality and therefore to use a keratome to safely make so large LASIK flaps.

To achieve this, **we systematically use the One Use-Plus** (Moria SA, France) linear automated microkeratome<sup>2-5</sup> because:

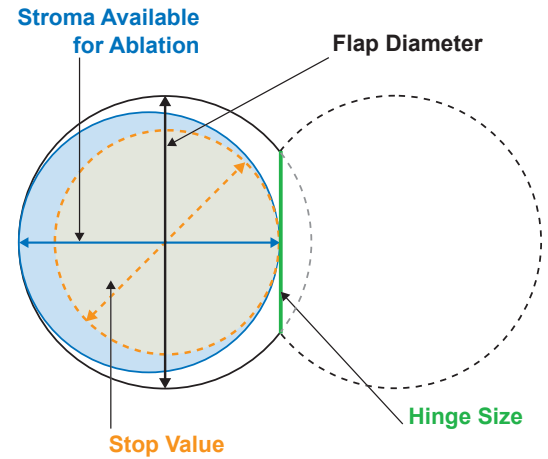
- it comes with a **unique choice of Large-Cut heads & rings**
- a **nasal hinge is beneficial** in the way:
  - it allows to expose a larger corneal surface compared to the superior hinge
  - it is **less disturbed by the rolling movements of the eye**, more pronounced in hyperopic patients during surgery.



# MY NOMOGRAM FOR HYPEROPIA\*

choice of ring type and stop value based on Horizontal K

Horizontal Keratometry	110 LC head		Flap Diameter (mm)	Stroma available (mm)	Hinge size (mm)
	SU ring -ILC	RU ring -ILC			
39		8.5	assumptions	assumptions	assumptions
39.5		8.5	9.8	9.2	2.4
40		9	10.0	9.5	2.6
40.5		9	10.2	9.7	2.4
41		9	10.3	9.7	2.5
41.5		9	10.4	9.8	2.6
42		9	10.4	9.8	2.6
42.5	9		10.4	9.8	2.6
43	9		10.2	9.7	2.3
43.5	9		10.3	9.7	2.5
44	9		10.4	9.8	2.6
44.5	9		10.4	9.8	2.6
45	9		10.5	9.9	2.7
45.5	9		10.7	10.0	2.8
46	9		10.8	10.1	3.0
46.5	9		>10.8	>10.1	>3.0
47	9		>10.8	>10.1	>3.0



\* Extract from marketing brochure #66105INT - My Nomogram - Gauthier - OUP (EN-FR)

## NOTES

- Both -1 Large-Cut single-use suction ring and -1 Large-Cut reusable suction ring :
  - can only be used with the 110- and 130-µm Large-Cut single-use calibrated heads coming from packs #19354/110 and #19354/130 respectively;
  - can not be used with the 90- and 130-µm single-use calibrated heads coming from boxes #19393/XXX (XXX = 90/130) and from packs #19336/XXX (XXX = 90/130) and #19337/XXX (XXX = 90/130).
- Both -1 Large-Cut single-use suction ring and -1 Large-Cut reusable suction ring can only be used by refractive surgeons having extended surgical experience with the use of the One Use-Plus microkeratome.

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