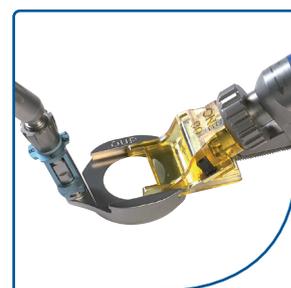


LASIK Surgery



One Use-Plus **SBK**
The Moria Option for SBK



Moria
Leading Innovations in Ophthalmology

Accuracy and predictability equivalent to Femto-SBK

One Use-Plus **SBK Flap thickness using
ultrasound pachymetry¹**

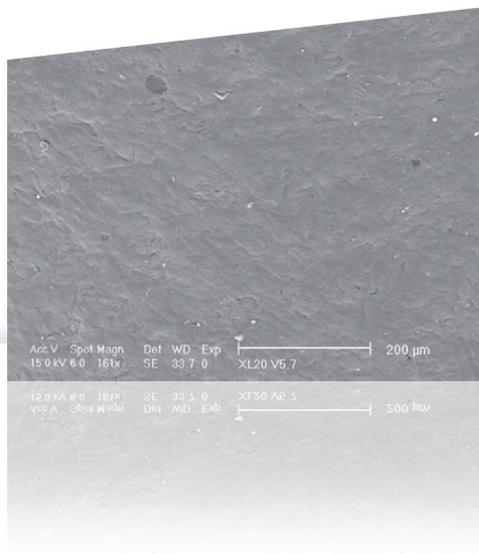
**Flap thickness
with Femto-SBK 60 kHz²**

Surgeon	Richard Duffey, MD (Mobile, AL, USA)	Guy Kerizian, MD (Paradise Valley, AZ, USA)
Intended thickness	100 microns	100 microns
Average	103 microns	109 microns
Standard Deviation	9 microns	10 microns
Minimum	83 microns	N/A
Maximum	123 microns	131 microns

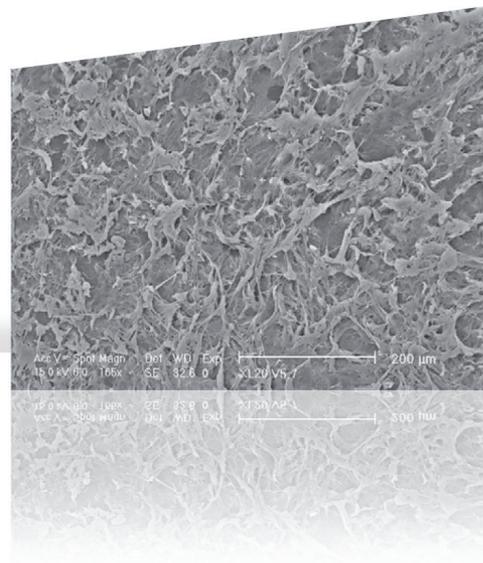
Smoother stromal bed surface

with One Use-Plus SBK than with Femto-SBK¹

Scanning Electron Microscopy x160¹
After cutting a flap with One Use-Plus SBK
with an intended flap thickness of 100 microns



Scanning Electron Microscopy x160¹
After cutting a flap with a 60 kHz femtosecond laser
with an intended flap thickness of 100 microns

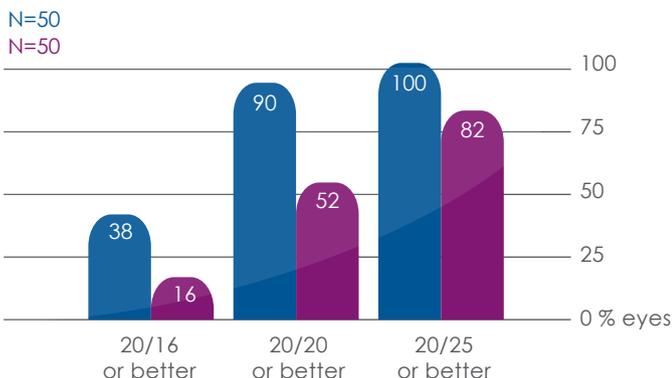


Faster visual recovery

With One Use-Plus SBK than with Femto-SBK

- One Use-Plus SBK - Dr. Duffey (Mobile, AL, USA)¹
- Femto-SBK - Dr. Durrie (Overland Park, KS, USA)³

UCVA at 1 day postoperative

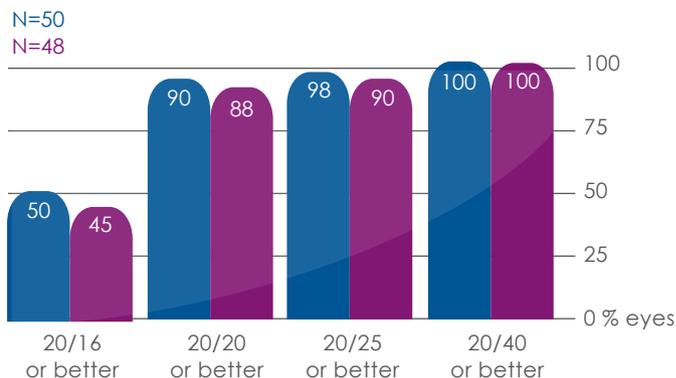


Equivalent visual outcomes

to Femto-SBK at 1 month

- One Use-Plus SBK - Dr. Duffey¹
- Femto-SBK - Dr. Durrie³

UCVA at 1 month postoperative

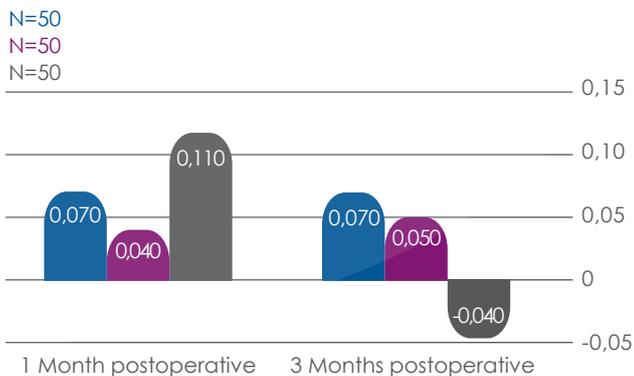


Equivalent quality of vision

to Femto-SBK

Changes in High Order Aberrations after wavefront-guided treatments^{3,4}

- One Use-Plus SBK - Dr. El-Masry (Alexandria, Egypt)⁴
- Femto-SBK - Dr. Durrie³
- Surface Ablation - Dr. Durrie³



Better biomechanical stability

With One Use-Plus SBK than with Femto-SBK

Ocular Response Analyzer Results Difference in Corneal Hysteresis after SBK from preop to 1 month postop^{3,4}

- One Use-Plus SBK - Dr. El-Masry⁴
- Femto-SBK - Dr. Durrie³



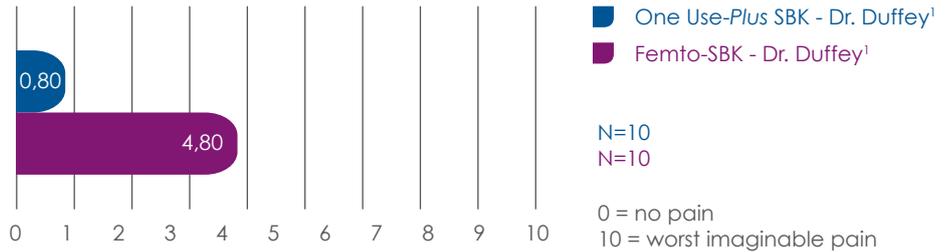
Greater patient comfort

with One Use-Plus SBK than with Femto-SBK

"The pain occurred at a much lower frequency and intensity with One Use-Plus SBK in the first one to five hours after surgery than with IntraLase SBK."

Richard J. Duffey, MD
Mobile, AL, USA

Pain score at 1 to 5 hours post surgery



None of the reported complications of Femto-LASIK

Intraoperative:

- Potential laser eye tracking difficulties⁵
- Macular haemorrhage^{6,7}
- Suction loss⁸
- Strong adhesions, requiring manual cut-downs or recuts^{9,10,11}
- Interface gas bubbles escape^{6,11}
- Vertical gas breakthrough: subepithelial or anterior chamber gas bubble^{5,9,12,13}
- Opaque bubble layer¹⁴
- Interface debris⁸

Postoperative:

- Photophobia due to light hypersensitivity or TLS Syndrome^{6,8,13,15,16,17}
- Energy-related Diffuse Lamellar Keratitis^{12,15,16,18}
- Significant interface haze, involving retreatments⁸
- Difficulties to lift the flap atraumatically for retreatments⁶
- Post-operative pain 1-5 hours after surgery associated with gas diffusion through corneal tissue¹

The most economical platform for SBK

The cost of equipment, disposables and maintenance of the One Use-Plus SBK are a fraction of the costs associated with the femtosecond laser.

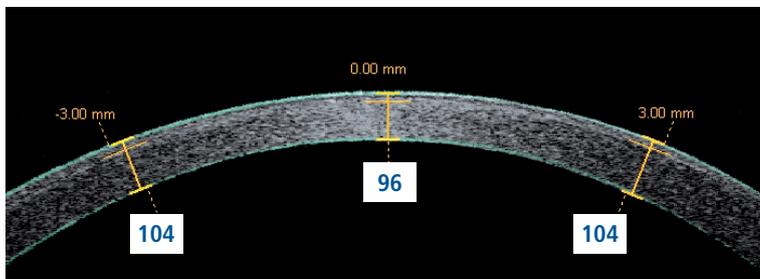
Make your own comparisons between the One Use-Plus and a femtosecond laser in terms of capital investment, disposables per patient, and annual maintenance.

The new

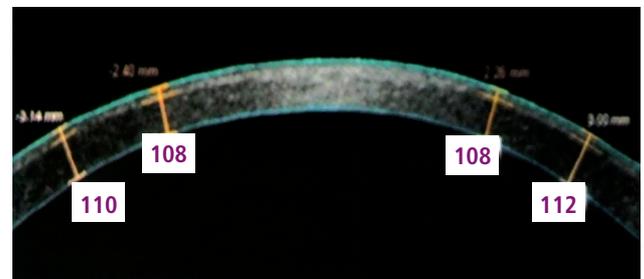
One Use-Plus SBK

- Thin flaps
- Planar architecture
- Beveled edges
- Customized diameters
- Unrivaled bed smoothness
- Accuracy and predictability equivalent to Femto-SBK

creates thin, planar, predictable flaps and stromal beds of unrivaled smoothness



Flap thickness profile with One Use-Plus SBK
Courtesy of James S. Lewis, MD, Elkins Park, PA, USA



Flap thickness profile with Femto-SBK 60 kHz²
Slide of Dr. Guy Kerzian's presentation at ISRS / ESCRS Fall 2006

Visual outcomes at 1 month postop equivalent to reported Femto-SBK results

- with faster visual recovery
- with greater patient comfort
- and at a fraction of the cost.

"Flap thickness predictability, speed of visual recovery, high order aberrations in custom treated eyes, and smoothness of stromal bed as determined by scanning electron microscopy in eyes undergoing SBK (thin flap LASIK) using the Moria One Use-Plus SBK microkeratome all compare favorably or equally to femtosecond laser SBK flap technology... at a fraction of the cost and with less postoperative pain and potentially fewer postoperative complications."

Richard J. Duffey, MD
Mobile, AL, USA

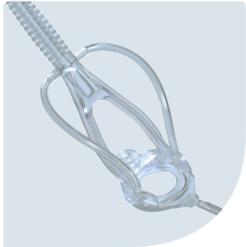
Reported Advantages of SBK compared to conventional LASIK

- Less weakening of corneal biomechanics, less risk of ectasia, better stability
- Faster visual recovery
- Better quality of vision
- Fewer higher order aberrations
- Better contrast sensitivity
- Fewer complications, less glare, fewer halos
- Less incidence of post-operative dry eye
- Reduced loss of corneal sensitivity
- Greater flap thickness predictability
- Ability to treat more patients, and higher levels of myopia
- Can treat thinner corneas
- Reduced enhancement rate

Rationale

- Anterior third of the stroma is the strongest region of cornea. Less flap disruption in this region causes less weakening of the cornea
- Cuts fewer nerves

One Use-Plus SBK



- Linear and automated microkeratome
- Pre-assembled and one-handed usage possible
- Outstanding ergonomics
- Safety and reliability of two independent motors:
 - one for head advancement
 - one for blade oscillation
- Design of suction ring makes the use of a speculum unnecessary on small fissures
- Translucent ring enables visual confirmation of suction
- Adjustable stops for customized hinge length
- Intra-operative visibility
- Evolution3E operates Epi-K™, the DSAEK system and all other Moria microkeratomes

A Single-Use head means unrivalled simplicity, safety, convenience, and ease-of-use:

- Protected blade to avoid potential damage
- Eliminates complications and risks linked to damaged or improperly maintained reusable heads
- Eliminates sterilization and maintenance
- More rapid patient turnover, leading to greater efficiency
- Lower initial investment costs
- Disposable heads and rings facilitate compliance with ASCRS guidelines -- which recommend not using flash sterilization

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