ALCON WAVELIGHT FS 200

200 KhZ  -  350 fs  -  1microJ/p

Improved ergonomics
Clever aplanation
Faster flap creation
Large(r) Flaps
Larger (re)centered Flaps
Customized Flaps
Smooth interface
Less OBL
Less Sub conj Hemorragae
Better network integration

1st movable joystick:
cone shifting / docking

2nd Joystick:
bed / head positioning

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WaveLight® FS200: “The fastest Femtosecond laser”

Shortest time (minimum duration = 6 seconds (≈ 8 mm flap)

DAILY SUCCION / ENERGY calibration

Beam Control Check: each cone is calibrated before use
Hinge width
Hinge angle
Hinge length
Diameter

SPOTS / LINE SEPARATION

≈1 Million spots for flap $\phi = 9$ mm

SUCCION CONE

BCC = Beam Control Check

- Calibration: each procedure
- Compensation for local & “hardware” fluctuations

ERGONOMICS

DOCKING system
Lunar & Command Module Docking

FS 200 laser: app. cone and cone docking

APOLLO 11: « Docking »

DOUBLE SUCCION

CREATION OF A CANAL
- BETTER EYE TRACKING
- BETTER INTERFACE HOMOGENEITY
- EASIER INTERFACE CREATION

CORNEAL TISSUE
- Stroma (flap)
- Gaz bubble

OBL (OPAQUE BUBBLE LAYER) PREVENTION
**AVAILABLE FS TREATMENTS:**
- Sub-Bowman Keratomileusis
- Full and partial thickness trephinations
- Intracorneal ring segments
- Pockets creation (KAMRA/Acufocus – inlays)

**TOTAL APLANATION WINDOW:** 13 mm

**TRANSLATION:** no cropping = no diameter reduction
CUSTOM FLAP
- Flap **dimension**: up to 10mm ! (13 mm aplanation)
- Flap **hinge**: adjustable position (0° à 360°)
- Flap **perimeter**: elliptical
The fixation ring uses peripheral spacers to minimize sclera deformation:

- Less IOP rise (60/100 mmHg)
- Less sub conjunctival hemmoraege

CUSTOM FLAPS: ELLIPTICAL / HINGE POSITION

- Efficient Spots
- Optimisation of interface dimensions

BETTER INTEGRATION OF THE ABLATION PROFILE
CUSTOM ELLIPTICAL FLAP

9.5 x 8 mm
Hinge positioned along steep axis

CUSTOMIZING FLAPS

CUSTOM ELLIPTICAL FLAP 9.5 x 8.2 mm
A.T.R MYOPIC ASTIGMATISM : -3 (-1.50x80°) TEMPORAL HINGE

TEMPORAL

NASAL
CUSTOM ELLIPTICAL FLAP: 9.5 x 8.5 mm
Mixed / Hyperopic Astigmatism +0.75 (-1.75 x 140°) OBLIQUE HINGE

THANK YOU!

FS 200 FEMTOSECOND LASER

More reproducible and ergonomic applanation
Faster flap creation
Large(r) Flaps
Custom flaps
Larger (re)centered Flaps
Less OBL
Smother interface
Less sub conj. hemorrhage
Versatility
Network integration

www.gatinel.com