



ALL-LASER LASIK RESULTS WITH THE ILASIK PROCEDURE



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Financial Interest

- Consultant AMO
 - Consultant Alcon
 - Consultant LenSx Lasers
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iLASIK

„individualized“ LASIK (brand name !)

1. customized femtosecond flaps
2. customized wavefront-guided ablation



iLASIK Suite iFS, Visx, iDesign



IntraLase 5th Generation iFS



iFS Flap Customization

- Oval flaps
 - to accommodate ablation zone
 - to allow temporal hinge to reduce dry eye

- Inverted side-cuts (up to 150°)
 - less biomechanical effect
 - better flap fit
 - stronger flap adhesion

Visx STAR S4 IR CustomVue



Why Wavefront - Guided ?



„Iris Registration“

- Aligns WaveScan image and ablation
 - Compensates for cyclotorsion
 - Compensates for pupil centroid shift

Patients

- 364 eyes (210 Patients)(consecutive)
- Jan to Jun 2009
- Preop refraction:
 - Sphere -2.98 ± 2.79 D
 - Cylinder -0.91 ± 0.82 D

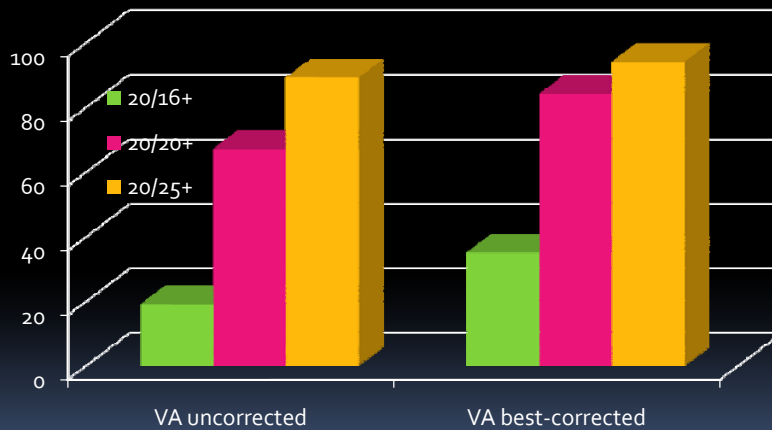
Surgery

- Wavefront-guided iLASIK in all eyes
- Flap 100-120 μm , superior hinge
 - Myopes: 8.5 mm flap
 - Hyperopes: 9.0 mm flap

Results: Refraction

- Two months postop
 - Sphere -0.01 ± 0.32 D
 - Cylinder -0.08 ± 0.25 D

Results: Visual Acuity



Results: Patient Satisfaction

- 99.2 % satisfied with vision
- 99 % spectacle independent for distance
- 100% would choose iLASIK again

Conclusion

- Combining *customized* femtosecond laser flaps and *customized* wavefront-guided ablations provides excellent vision and high patient satisfaction

THANK YOU !