

BOSS - Access to Another Dimension of Information



Jello (More

Compliant

Material)



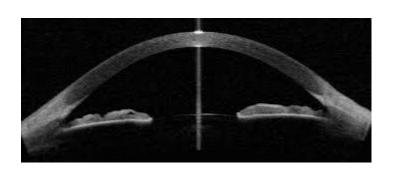


Water < Oil < Honey (Thin) (Thic (Thicke ker) st)

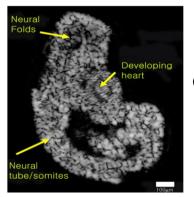
BOSS (Brillouin Optical Scanning System) Invented at Harvard/MGH Measures Both Elasticity & Viscosity of Living Tissues and Cells

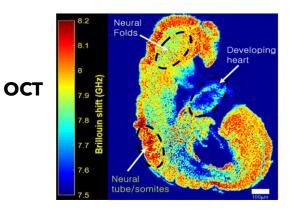
- Light based
- Non-contact
- Real Time measurement
- High Resolution in 3D
- Direct & Inductive Measurements

Currently Available: Morphology

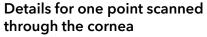


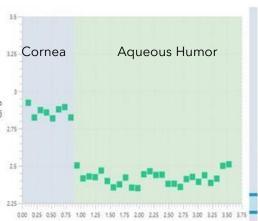
Biomechanical Information





Brillouin Imaging (BOSS)





We Can Measure Biomechanics of Living Tissue & Cells Using Light



BOSS® in Ophthalmology



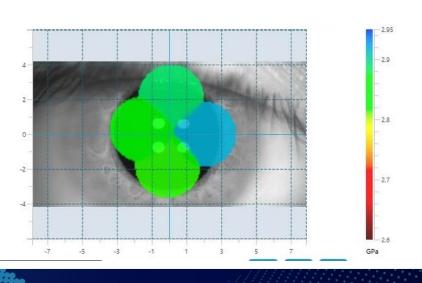
BOSS® Program Key Achievements

- ISO 13485 / MDSAP Certification
- Regulatory Product Registrations:
 - **Submitted** US (510K)
 - Approvals Korea, Canada, EU
 - In Preparation China, Australia
- Established Distribution Channels (EU, Korea, Canada, China)
- User Feedback Collected and Implemented
- Marketing exposure via Tradeshows, Presentations, Papers
- SaaS (Software as a Service) ready for initial deployment
- 35 Manufactured, 20 Sales & Leases
- End User Price \$150K

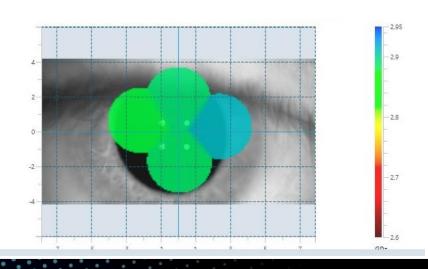
BOSS cornea scans are repeatable and reproducible

Intelon study at Vold Vision, ARVO 2023

| Intelon's FDA 510(k) Study | B2-0008 | B2-0012 | B2-0014 | Any Device |
|-------------------------------------|---------|---------|---------|------------|
| Number of Subjects | 29 | 29 | 31 | 32 |
| Number of Scans Used in Analysis | 85 | 84 | 90 | 259 |
| Avg. Stiffness (GPa) | 2.831 | 2.811 | 2.854 | 2.833 |
| Avg. Stiffness (GPa) across devices | | | | |
| Avg STD (GPa) | 0.006 | 0.005 | 0.003 | 0.003 |
| Repeatability (% CV) | 1.4 | 1.3 | 0.5 | 1.1 |
| Reproducibility (% CV) | | NA | | 0.129 |



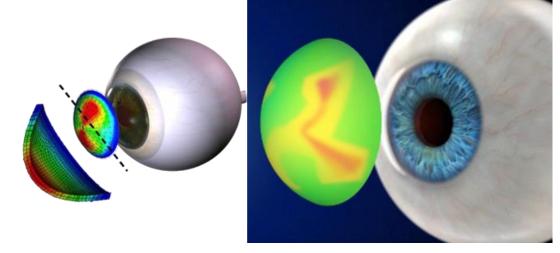
Replicate scans on one eye

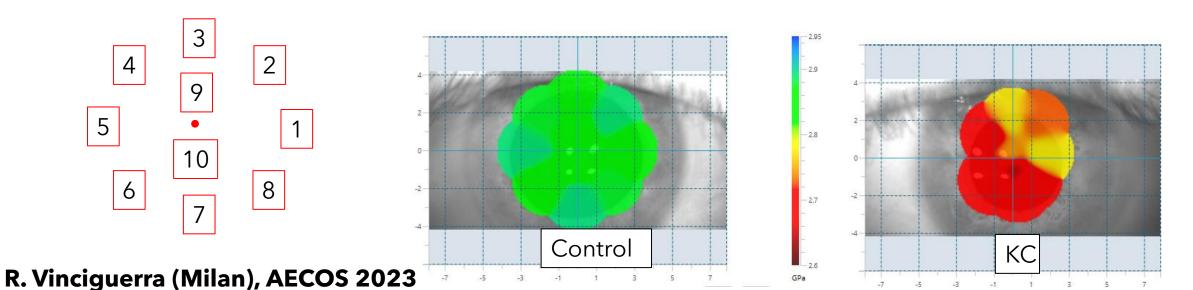


BOSS: Resolving Unmet Needs in Multiple Fields

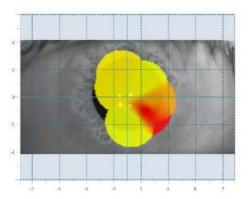
BOSS Ophthalmology

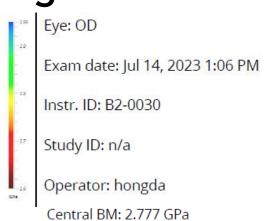
- ✓ Early Diagnosis of Corneal Diseases
- ✓ Screening Tool for Vision Correction Procedures
- **✓ Customization of Refractive & Cataract Surgeries**
- ✓ Customization of Corneal Cross-linking Procedures

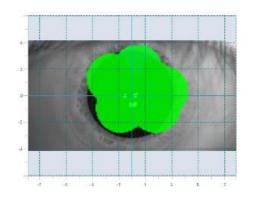


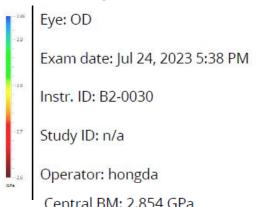


BOSS shows changes in corneal stiffness with Crosslinking (CXL)









Central BM: 2.854 GPa Mean BM: 2.840 GPa Min BM: 2.818 GPa

Top: Eye & ENT Hospital of Fudan University: pre-CXL, 10 days post-op Bottom: R. Vinciguerra & S. Paladino (Milan): pre-CXL, 1-month post-op

Mean BM: 2.757 GPa

Min BM: 2.716 GPa

