

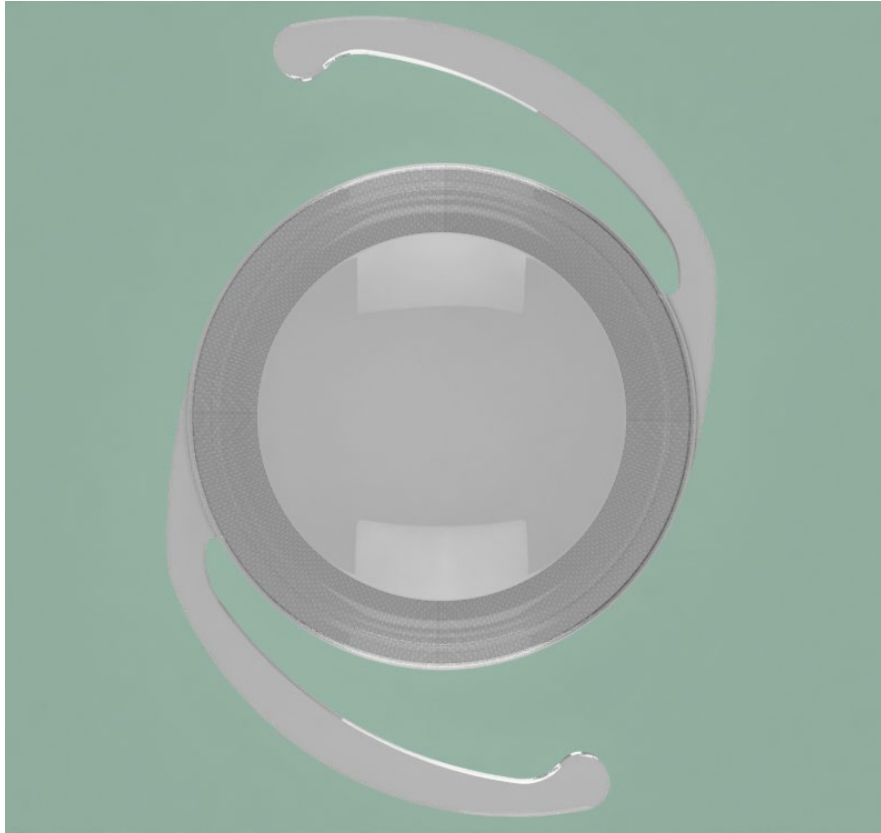


ClearSight™ Open Bag Design Intraocular Lens

6/23/2020

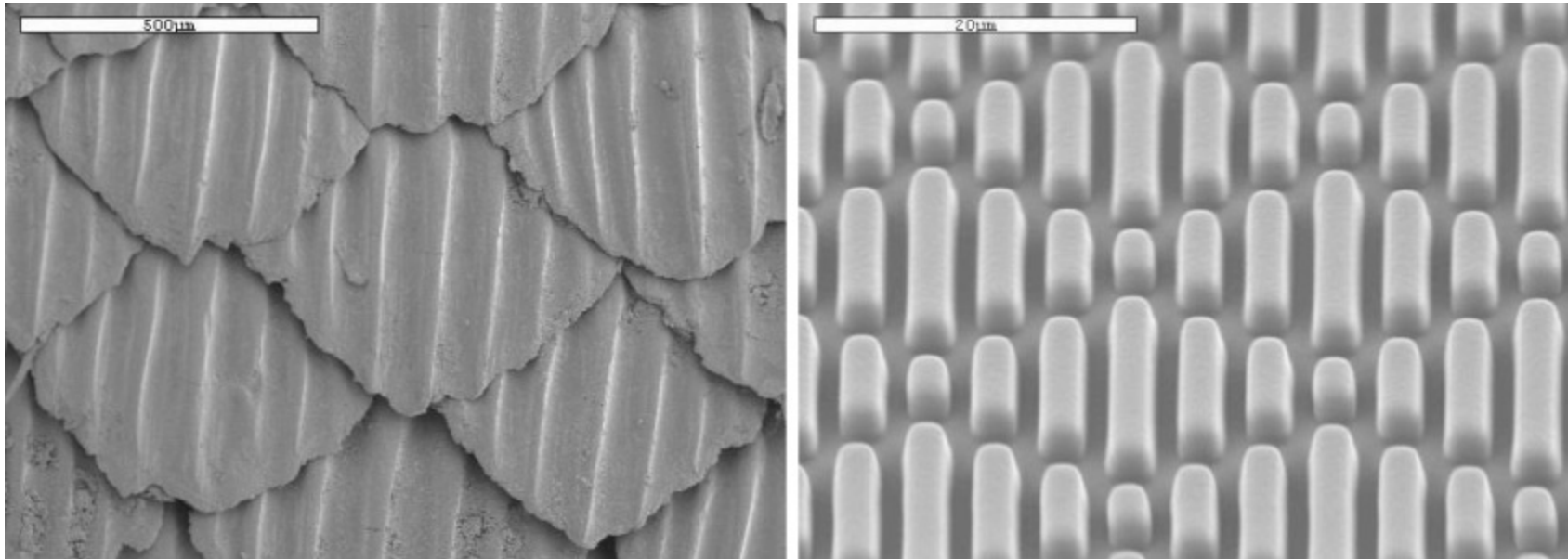
www.ClearSightIOL.com

Patented Nanohybrid Material

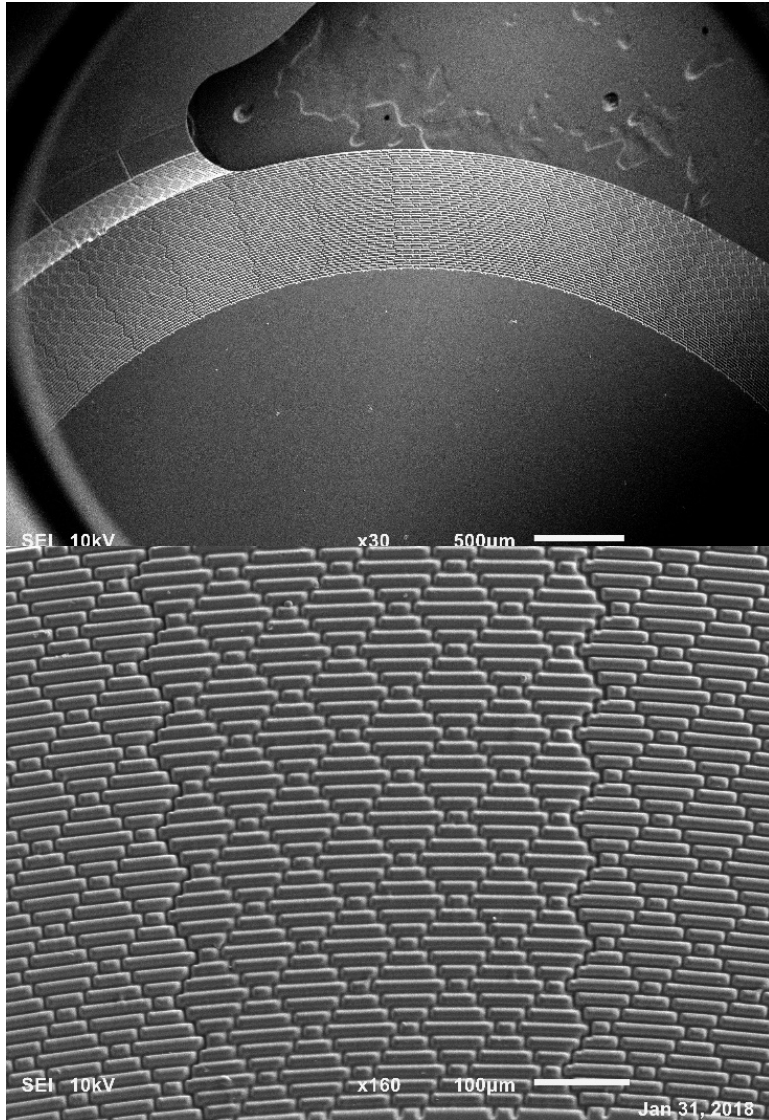


- Small Incision
- Controlled unfolding
- T_g and RI are similar to standard acrylic materials
- Demonstrated no evidence of glistenings in a study done at University of Utah with Dr. Liliana Werner
- Proven biocompatibility in vivo

Sharklet™ Micropattern



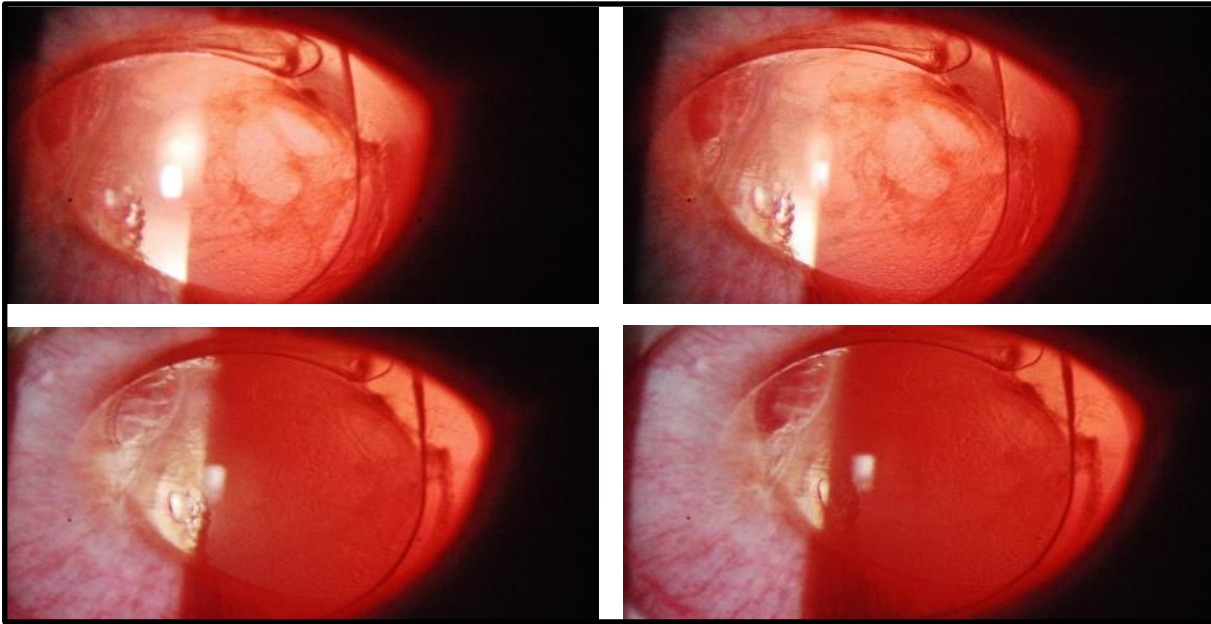
Patented Sharklet Micropattern



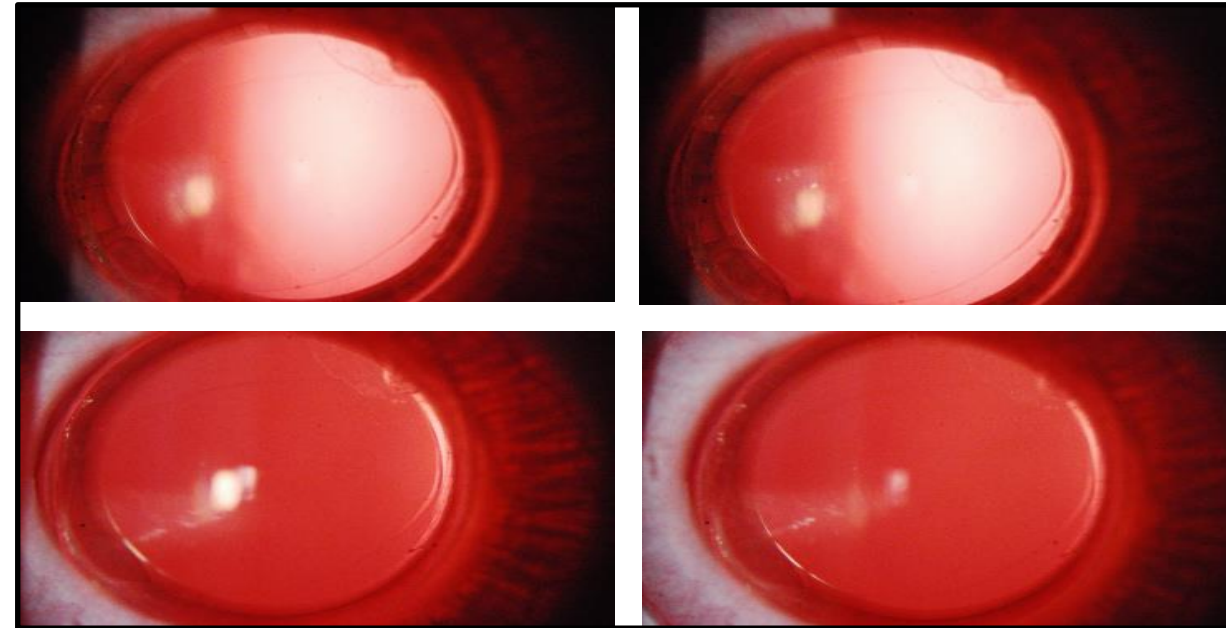
- Reduces PCO
- Barrier to lens epithelial cell migration
- Laser patterned on posterior lens surface using excimer process

Animal Study—*In vivo* Biocompatibility

Week 4, Slit Lamp Exam



AcrySof Control IOL



ClearSight IOL with NH Material

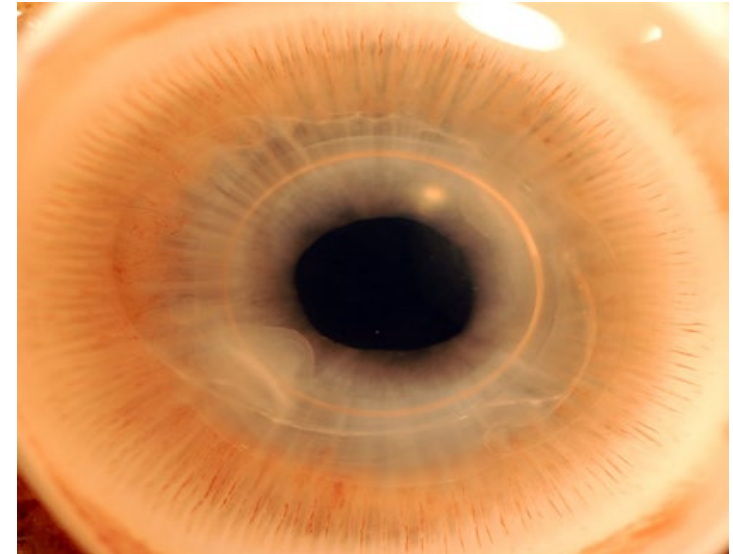
Rabbit Study – Gross Exam

Week 4, Miyake-Apple View
AcrySof Control IOL (18-486 OS)



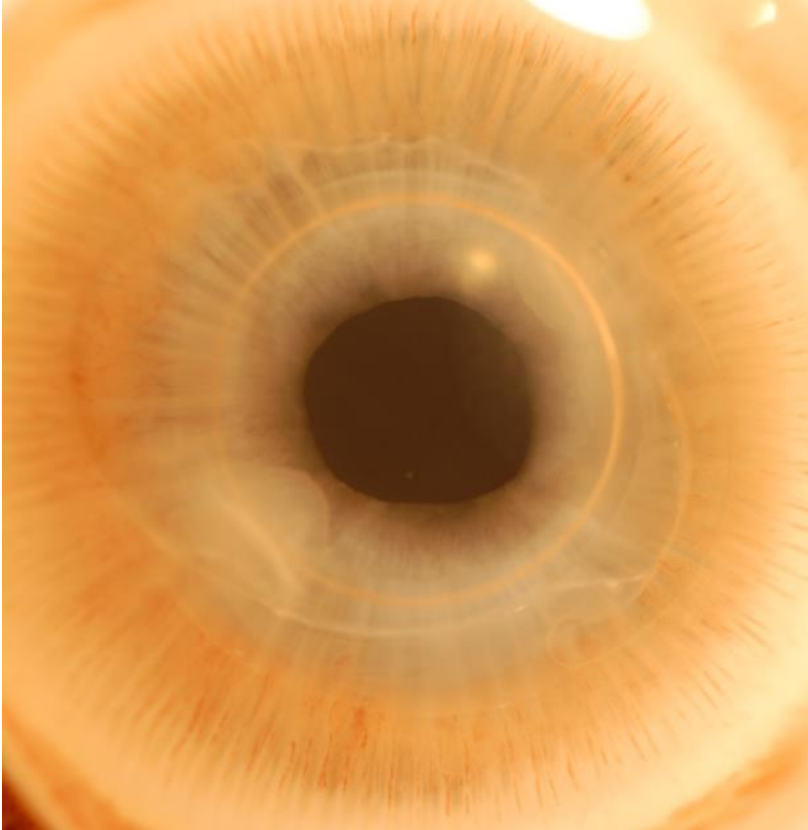
Central PCO Score = 4

Week 4, Miyake-Apple View
ClearSight IOL with Sharklet (18-479 OS)



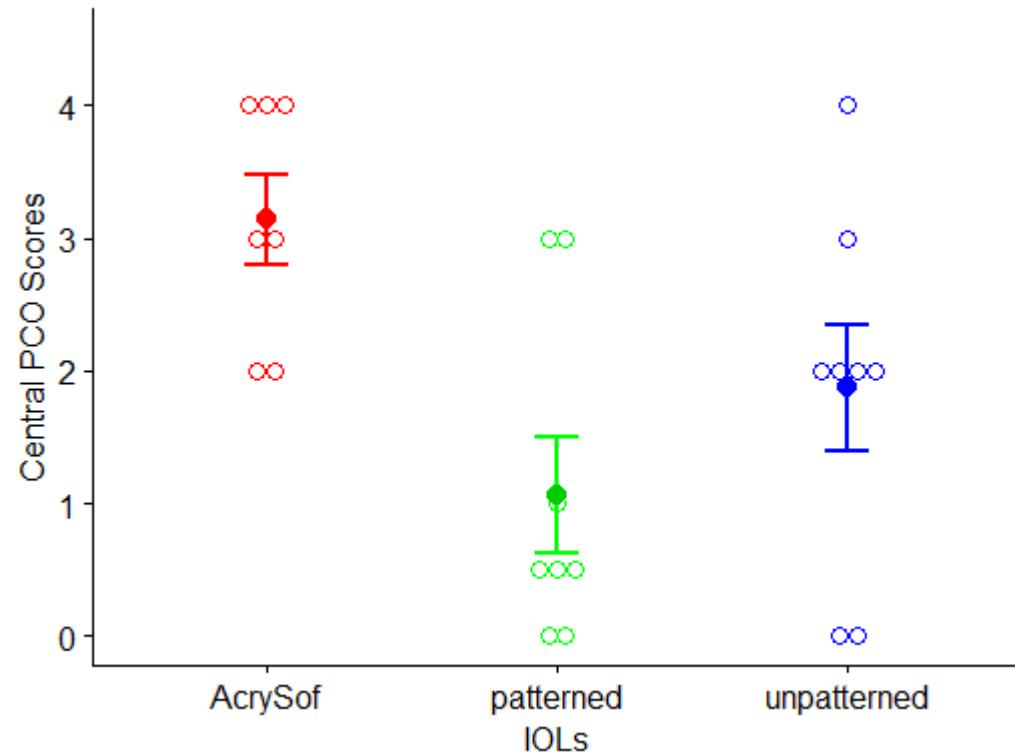
Central PCO Score = 0.5

Patented Open-Bag Design



- Reduces PCO and ACO
- Shows good centration and stability in the capsular bag, with large haptic angle of contact
- Manufacturable using standard industry methods

Performance in Rabbit Study



- Eyes implanted with the Sharklet-patterned ClearSight IOL had a statistically significant reduction in the mean central PCO score as compared to the control Alcon AcrySof IOL (Bonferroni adjusted one-sided p-value = 0.00304)

International Collaboration



Fred Hollows IOL Lab



Accommodating IOL



Thank You!

Kevin H. Cuevas, MD

www.clearsightiol.com

