ClearSight™ Open Bag Design
Intraocular Lens
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