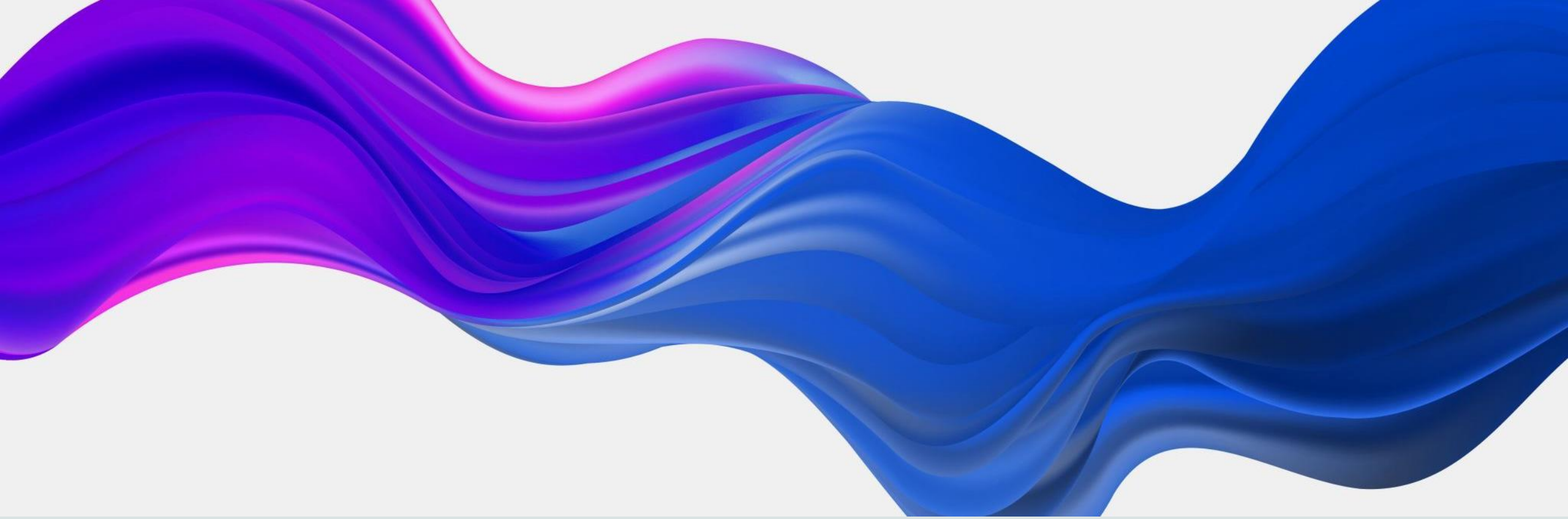


SightLine's 23rd Annual CE Program

Pittsburgh Marriott North
Sunday February 25, 2024





Co-Management of
the Refractive Surgery
Patient

Charlene Maloney, OD

Refractive Surgery

Corneal:

PRK - FDA Approved 1995

LASIK - FDA Approved 1998

Intraocular

ICL - FDA Approved 2005 (Toric in 2018), EVO 2022

RLE



IMPORTANCE OF TALKING ABOUT LVC

LASIK Eye Surgery Market 2024 Showing Upcoming Growth in Decades by 2032

Research Reports World [RRW]

Research Reports World [RRW]

Published Feb 9, 2024

Our Latest Report on the global "**LASIK Eye Surgery Market**" 2024 shows a steady and strong upward trend in recent years, and this trend is anticipated to remain favorable through 2032. Our report provides a comprehensive examination of the industry, covering aspects such as market size, prominent players, regional assessment, and the trends in growth. It covers different types (**Wavefront Optimized, Wavefront-Guided, Topography Guided, All Laser**), applications (**Hospitals, Eye Care Clinics, LASIK Centers, Others**), Region (**North America, Europe, Asia-Pacific, South America, The Middle East and Africa**), and Market Leaders (**Bausch Health, Carl Zeiss, Johnson & Johnson (Abbott Medical Optics), Novartis (Alcon Laboratories), AMO Manufacturing, Nidek, LaserSight Technologies**). Anticipated annual growth in the LASIK Eye Surgery market from 2024 to 2032 is projected to be remarkable, with a magnificent Compound Annual Growth Rate (CAGR).

YOU DECIDE YOUR ROLE



Refer and let the surgeon and staff make the decision



Discuss options with the patient and make broad recommendations



Take the time to discuss the options and make specific recommendations



Call us any time



WE WANT TO GIVE YOU THE TOOLS

OPTOMETRY'S ROLE

- OFFER LVC AS A PRIMARY TREATMENT OPTION ALONG W/ CL'S AND GLASSES WHEN APPROPRIATE (EVEN IF YOU DON'T WISH TO CO-MANAGE)
- PATIENT RETENTION - *LOSING A PATIENT IS MORE LIKELY TO HAPPEN TO THE DOCTOR WHO CHOSE NOT TO BE A PART OF THE PROCESS*
- PATIENT PERCEPTION - PATIENTS GAIN CONFIDENCE IN THEIR PRIMARY EYE CARE PROVIDER BY COMANAGING THEIR SURGICAL PROCEDURE WHEN ABLE TO DO SO
- ASSIST IN PATIENT SELECTION (AGE, REFRACTIVE ERROR, OCULAR HEALTH)

Corneal Refractive Surgery – What We Will Discuss

- HOW DO WE DETERMINE CANDIDACY? LASIK V PRK
- HOW DO WE PREPARE PATIENTS FOR THEIR REFRACTIVE PROCEDURE?
- WHAT IS THE APPROPRIATE FOLLOW-UP CARE AND EXPECTATIONS?
- WHAT ARE INTRA-OCULAR ALTERNATIVES WHEN THE PATIENT IS NOT THE BEST CORNEAL REFRACTIVE PATIENT?

ALLEGRETTO WAVE

- **Approved for the elimination or reduction of hyperopia (farsightedness) of up to + 6.00 D of sphere and up to 5.00 D of astigmatism at the spectacle plane and -12.00 with up to 6 D of astigmatism who are 18 years of age or older, and who have documented evidence that their refraction did not change by more than 0.5 Diopter during the year before the preoperative examination.**
- **DOES NOT ALWAYS MEAN WE SHOULD...*

Refractive Evaluation - History

ACCUTANE

-SLOW WOUND HEALING

-INCREASED DES

-INCREASED PHOTSENSITIVITY

D/C FOR 6 MONTHS PRE/POST



Refractive Evaluation - HX

PREGNANT/NURSING

- RESTARTED MENSTRUAL CYCLE
- D/C BREASTFEEDING (PREFERRABLE 3 MO)
- STABLE REFRACTION



HISTORY OF OCULAR HSV OR HZV?

HISTORY OF AUTOIMMUNE DISEASE?
COMMUNICATION/CLEARANCE W/
RHEUMATOLOGIST

H/O KC IN IMMEDIATE FAMILY? IF
SO, CONSIDER GENETIC TESTING
FOR RISK ASSESSMENT

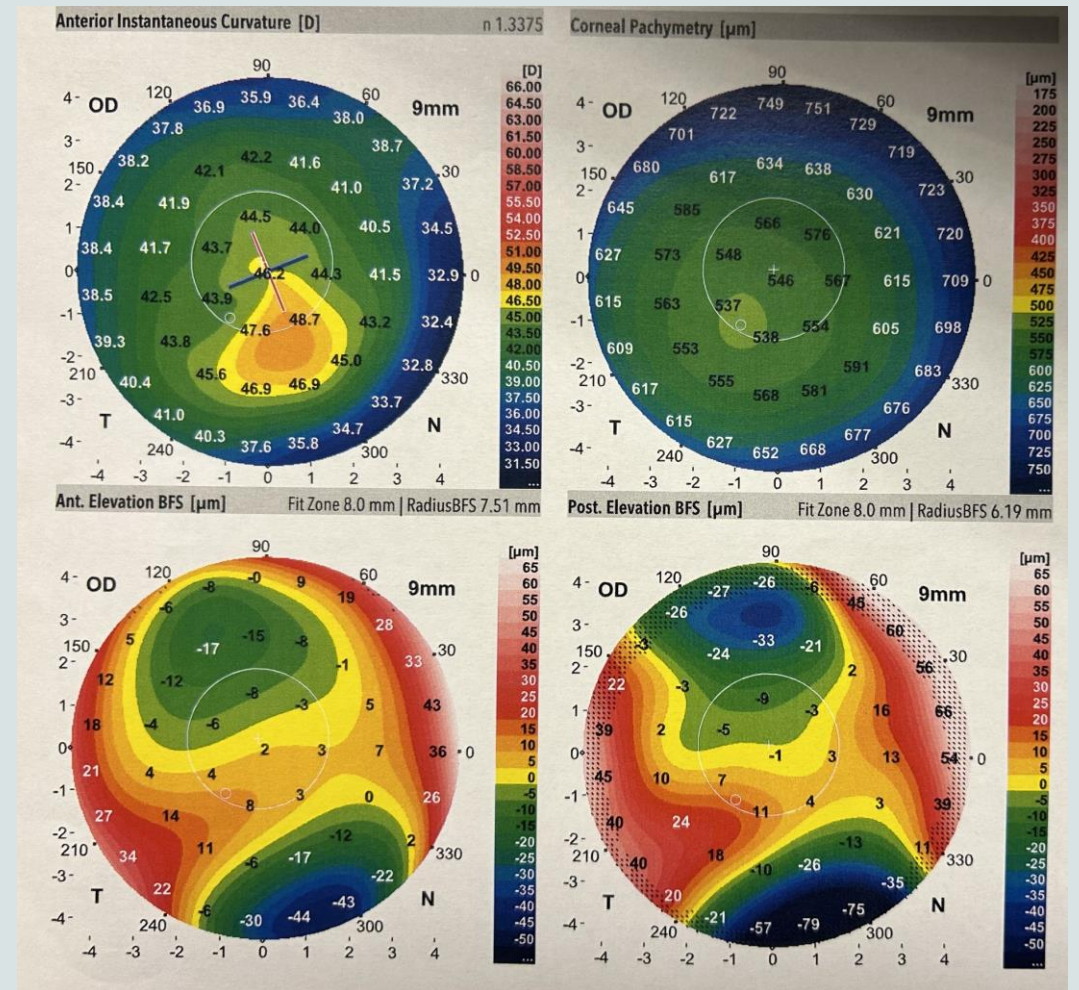
DIABETES? CONTROLLED? STABLE
REFRACTION? ANY CONCERN FOR
WOUND HEALING?

PRE-OPERATIVE EVALUATION

- Corneal Thickness - accurate measurement and what is "normal"
- Determine residual corneal stromal bed thickness (assuming a 110um flap)
- Ultimately want to leave the stromal bed closer to 300 and the PTA (percent tissue altered) to 40% or less.
- *IBRA

SUSPICIOUS TOPOGRAPHY

- ◆ **ASYMMETRY WITH INFERIOR STEEPENING OR EVEN A SKEWED RADIAL AXIS**

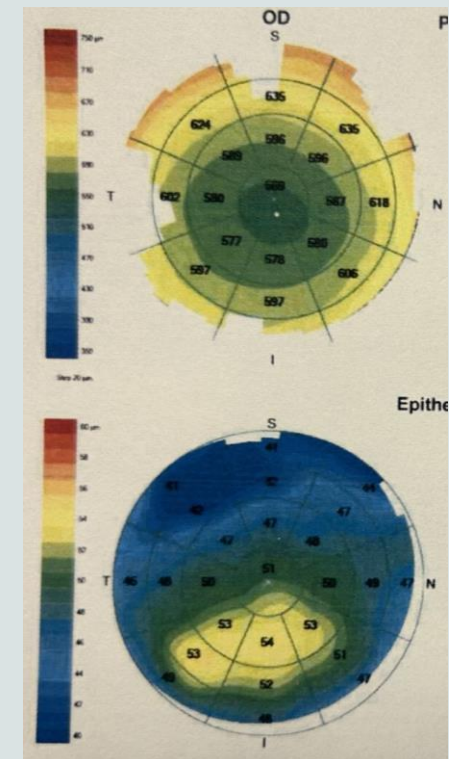


EPITHELIAL MAPPING

AUXILLARY METHOD FOR EARLY DIAGNOSIS OR EXCLUSION OF KC

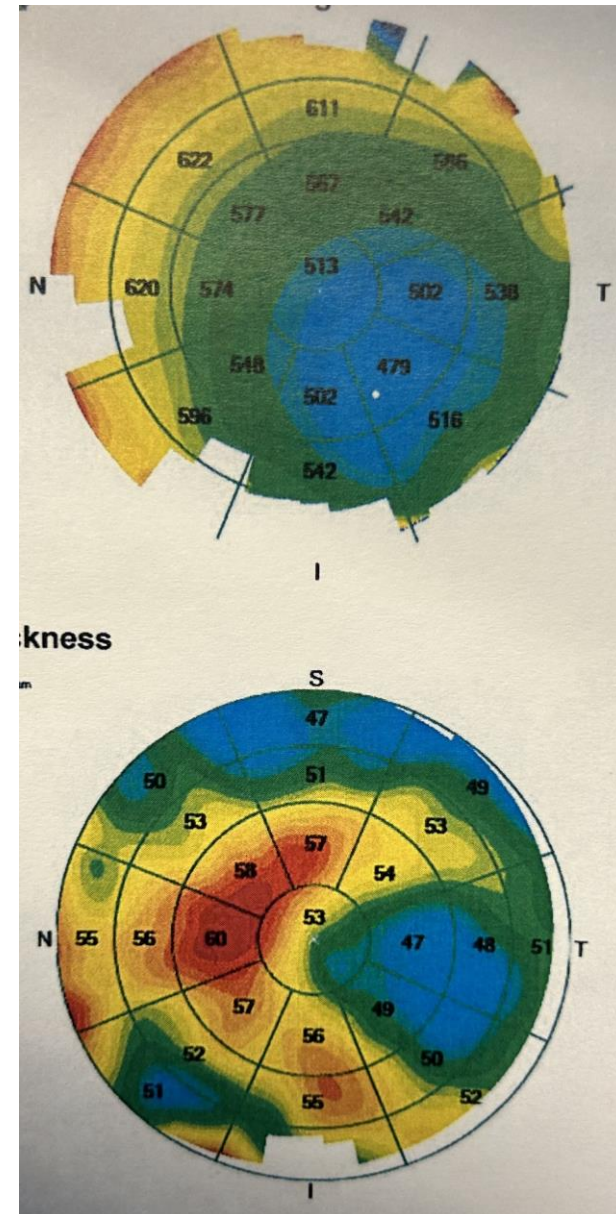
- THE CORNEAL EPITHELIUM IS KNOWN TO REMODEL - THIS CAN MASK UNDERLYING STROMAL IRREGULARITIES
- *EPI IS THICKER INFERIORLY (AND NASALLY) IN NORMAL EYES*

NORMAL EYE



EPITHELIAL MAPPING

- "DONUT-SHAPED" W/
THINNING AT THE APEX OF
THE CONE SURROUNDED BY
A RIM OF THICKENED
EPITHELIUM IN A
KERATOCONIC/SUSPECT EYE



EPITHELIAL MAPPING IN LVC EVALUATION

- EPI THINNING IN AREA WITH SURROUNDING THICKENING OF EPITHELIUM WITH A SUSPICIOUS TOPO - DEFER SURGERY
- EPI THICKENING IN AN AREA OF TOPOGRAPHIC STEEPENING, KC LIKELY NOT A CONCERN. STILL CONSIDER ALL RISK FACTORS, INCLUDING AGE, RX, RANDLEMAN

Ectasia Risk Score System or “Randleman Criteria”

- ◆ **Risk factors identified:**

- ◆ Topographic pattern
 - ◆ Higher risk when more abnormal
- ◆ Residual stromal bed (RSB) thickness
 - ◆ Higher risk with lower RSB thickness
- ◆ Patient age
 - ◆ Higher risk with younger age
- ◆ Central corneal thickness
 - ◆ Higher risk with thinner corneas
- ◆ Manifest refractive spherical equivalent (MRSE) treated
 - ◆ Higher risk with larger treatments

Table 1. Randleman Risk Scoring Protocol					
	<i>Points</i>				
<i>Parameter</i>	<i>4</i>	<i>3</i>	<i>2</i>	<i>1</i>	<i>0</i>
Topography	Abnormal	Inferior Steepening/ Skewed radial axis		Asymmetric Bowtie	Normal
RSB	<240µm	240µm to 259µm	260µm to 279µm	280µm to 299µm	≥300µm
Age		18 to 21	22 to 25	26 to 29	≥30
CT	<450µm	451µm to 480µm	481µm to 510µm		≥510µm
MRSE	>-14D	>-12D to -14D	>-10D to -12D	>-8D to -10D	-8D or less

Table 2. Scoring Recommendation on Whether or Not to Proceed with LASIK	
0 to 2 (Low risk)	Proceed with LASIK or surface ablation.
3 (Moderate risk)	Proceed with caution, consider special informed consent; safety of surface ablation has not been established. Consider refractive stability, degree of astigmatism, between-eye topographic asymmetry, and family history.
4 (High risk)	Do not perform LASIK; safety of surface ablation has not been established.

RANDLEMAN CRITERIA FOR LASIK

ASSESS CORNEAL HEALTH

- Implications of pre-existing corneal disease

Evaluate for EBMD, DES, FUCH'S

- BMD patients will do better with PRK (as long as not central/affecting VA/RX)
- Treat dry eyes before the patient has surgery
- Corneal guttata may lead to decreased flap adherence, poor healing and sub-optimal visual results with LASIK. Consider an ECC (endothelial cell count) if suspicious (or do PRK or if significant, nothing)

INFORMED CONSENT IF MOVING FORWARD

- Dry eyes post-operatively
- Over/Under-corrections
 - ENH rate 1-5%, considered after 3 months and stable refraction
- Presbyopia and Monovision
- Glare - less common today, still discuss
- Decreased VA, Flap-Related Issues

PATIENT EXPECTATIONS

- LASIK

Speedy visual recovery

VA 20/30 or better at day 1

Initial discomfort (burning, tearing) 2 hours following, but then relatively no discomfort

- PRK

Slower visual recovery ("Marathon vs Sprint")

Most patients are 20/40 or better by 1 week

Discomfort minimized with present day use of Neurontin post-operatively, NSAID 1st 48hrs

LVC POST-OP CARE

LASIK

PRED AND OFLOXACIN QID X 4 DAYS

ART TEARS ENCOURAGED

EARLY - WATCHING FOR FLAP ISSUES, EPI INGROWTH, STRIAE

ONGOING WATCHING FOR STABILITY, DRY EYES, ETC

F/U 1 D, 1 W, 1 MO, 3 MO, 6 MO, 1 YR, YEARLY

LVC POST-OP CARE

PRK

BCL IN PLACE UNTIL EPI HEALED (TYPICALLY DAY 3-5)

FML QID W/ TAPER (~ 4 WKS UNLESS MODIFIED D/T RX)

NEURONTIN

MOXIFLOXACIN - AT LEAST UNTIL EPI HEALED AND BCL IS LEFT OUT

*SUN PROTECTION TO LIMIT HAZE FORMATION**

VIT C - 1000 mg

PATIENT RE-ASSURANCE

F/U 1 D, 3-5 D, THEN MAY DEPEND ON VISION IF MORE FREQUENT, OTHERWISE 3-4 WK, 3 MO, 6MO, 1Y, YEARLY

POST-OPERATIVE REPORT (IF CO-MANAGING)

- *THIS IS A PART OF CO-MANAGED CARE*

Not only does this information help with improving our outcomes analysis, but it is required as part of co-management.

POST-OPERATIVE REPORT

SightLine Ophthalmic Associates
Phone 724-933-5588 • Fax 724-933-6051

PATIENT NAME _____ REFERRING DOCTOR _____
DATE OF BIRTH _____ PROCEDURE TYPE IOL REFRACTIVE SURGERY /
YAG CAP / YAG PLUG
DATE OF EXAM _____ PROCEDURE DATE(S) _____
_____ DAY / WEEK / MONTH FOLLOW-UP

OD: OS:

UCVA: _____ UCVA: _____
REF: _____ 20/ _____ REF: _____ 20/ _____
IOP: _____ IOP: _____

CORNEA CORNEA
AC/IRIS AC/IRIS
LENS IN GOOD POSITION? Y / N LENS IN GOOD POSITION? Y / N
DILATION? Y / N DILATION? Y / N
FUNDUS: FUNDUS:

If VA is less than 20/30, please explain: _____

PATIENT SATISFACTION: Very Happy Satisfied Dissatisfied

ASSESSMENT: _____

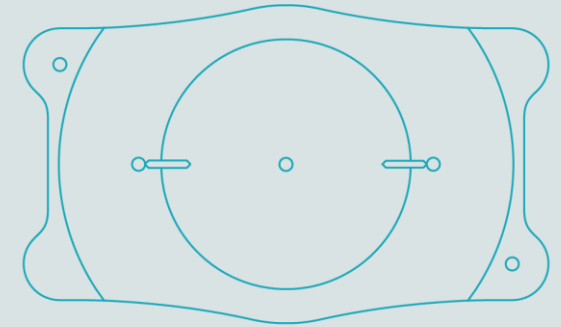
PLAN: _____

OTHER SURGICAL OPTIONS

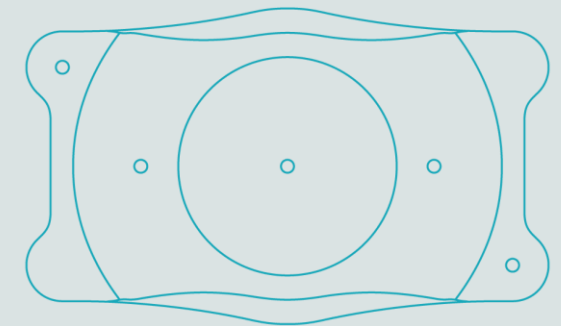
- PHAKIC IOL
- RLE

The EVO ICL Family of Lenses

- The addition of the central port to EVO facilitates the flow of aqueous humor through the lens, eliminating the need for peripheral iridotomies (PIs) prior to implantation.
- Indicated for use in adults 21-45 years of age for myopia with or without astigmatism.
- STAAR's Collamer® material has a proven history of over 20 years with **more than 1 million EVO lens implants worldwide.**
- The EVO ICL has a large treatable market and very favorable demographics.



EVO/EVO+ Toric



EVO/EVO+ Sphere

EVO Indications

Models	Indication
EVO/EVO+ ICL	For the correction (spherical equivalent: -3.0 D to \leq -15.0 D) or reduction (spherical equivalent: $>$ -15.0 D to -20.0 D) of myopia in patients at the spectacle plane with less than or equal to 2.5 D astigmatism
EVO/EVO+ Toric ICL	For the correction (spherical equivalent: -3.0 D to \leq -15.0 D) or reduction (spherical equivalent: $>$ -15.0 D to -20.0 D) of myopic astigmatism with cylinder of 1.0 D to 4.0 D at the spectacle plane

EVO is intended for posterior placement in the phakic eye of patients:

21 to 45 years of age

ACD (from endo) \geq 3.00 mm

Stable refractive history (within 0.5 D change for spherical equivalent and cylinder in last 12 months)

Preoperative Peripheral Iridotomies No Longer Required

EVO ICL Lens Models in US Market

EVO models available:

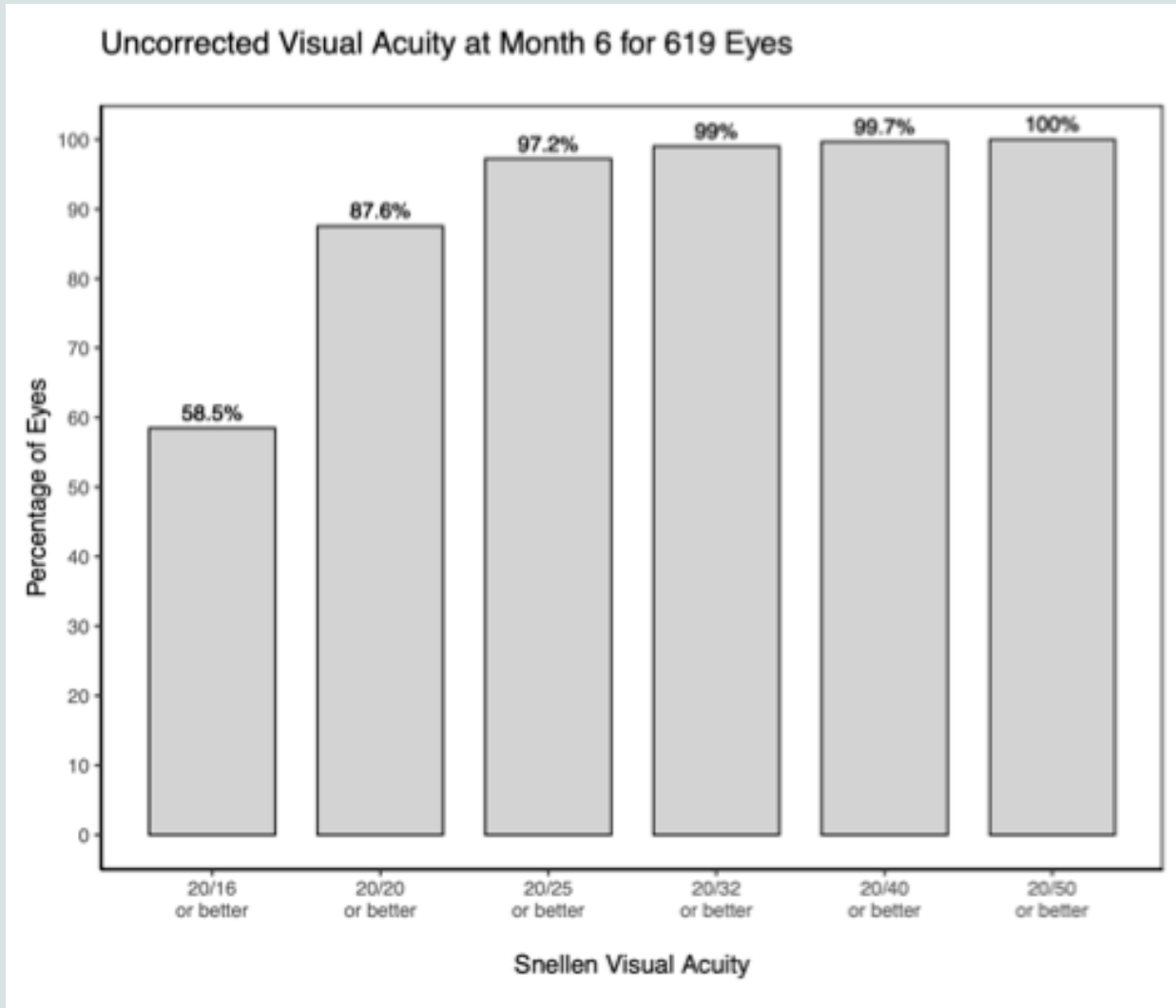
Models	Spherical Power (D)	Cylindrical Power (D) (For EVO/EVO+ Toric)	Overall Diameters (mm)
EVO+	-3.0 to -14.0	1.0 to 4.0	12.1
	-3.5 to -14.0*** (EVO+ Toric)		12.6
EVO	-14.5 to -16.0		13.2
	-14.5 to -18.0*** (EVO Toric)		13.7

***Product is unavailable if Spherical Equivalent (SEQ) is outside the -3.0 D to -16.0 D range

Spherical and Cylindrical Powers available in 0.5 D steps

The EVO+ model offers an increase in optic diameter of 0.1 mm to 0.5 mm larger than the available EVO model

EVO/EVO+ ICL FDA Study: Efficacy



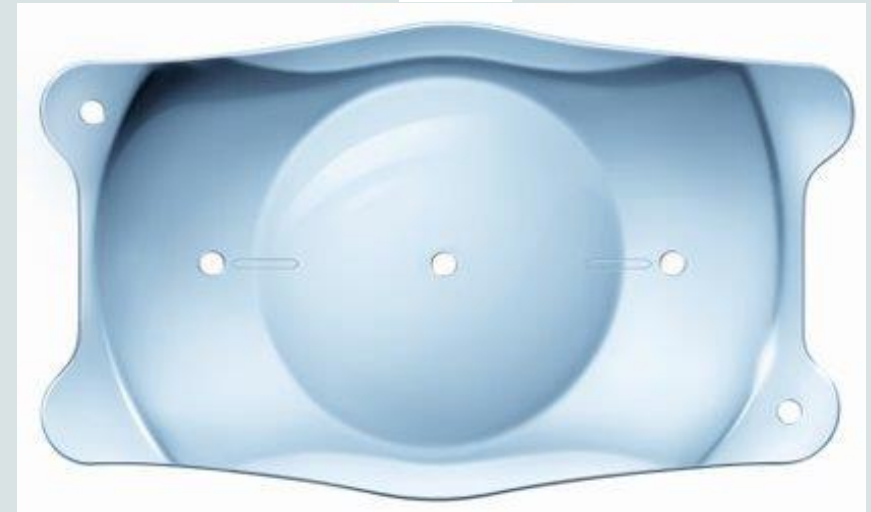
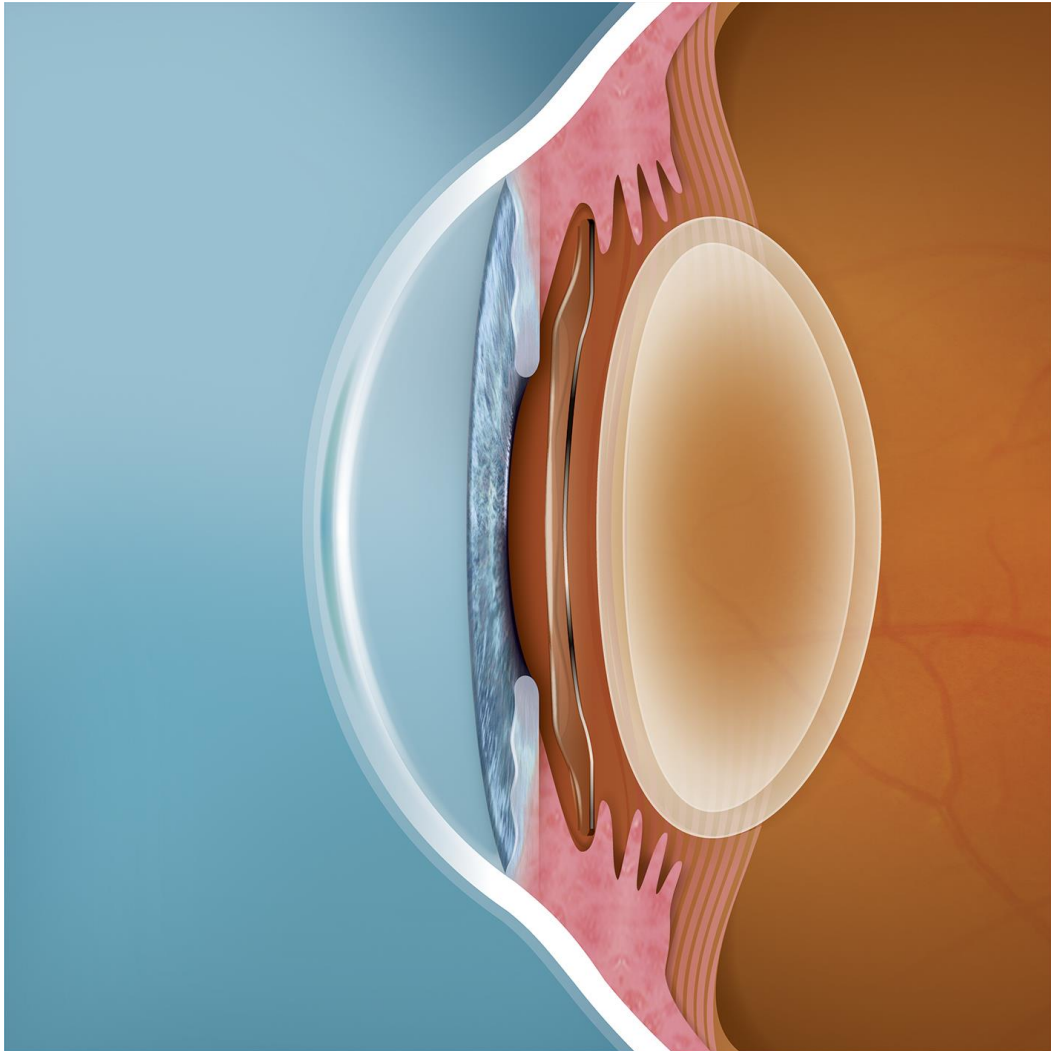
- Mean postoperative UDVA better than 20/20 at all time points
- Efficacy index at 6 months = 1.06

EVO Family Contraindications

- The EVO Visian ICL is **contraindicated** in patients:
 1. *With an anterior chamber depth (true ACD) of <math>< 3.00\text{ mm}^*</math>;*
 2. *With anterior chamber angle less than Grade III as determined by gonioscopic examination;*
 3. *Who are pregnant or nursing;*
 4. *Less than 21 years of age;*
 5. *Who have moderate to severe glaucoma*
 6. *Who do not meet the minimum endothelial cell density (ECD);*

The true ACD is defined as the distance from the apex of the **posterior corneal surface to the apex of the anterior crystalline lens surface. Many measuring devices provide an ACD measurement defined as the distance from the apex of the **anterior** corneal surface to the apex of the anterior crystalline lens surface. If the surgeon is using an instrument that measures from the anterior corneal surface, the thickness of the cornea must be subtracted to get the true ACD.*

STARR EVO ICL



FOOTPLATES REST IN THE CILIARY SULCUS

- HAS ADDITIONAL LINEAR ORIENTATION LANDMARKS TO FACILITATE ALIGNMENT OF THE LENS IN TORIC MODELS

EVO/EVO+ ICL FDA Study: Safety of the Central Port Design

- Maintains physiologic aqueous flow
 - Zero pupillary block*
 - Zero anterior subcapsular cataract*
- Eliminates preoperative peripheral iridotomy
- The results of this clinical trial have definitively demonstrated the safety and effectiveness of EVO/EVO+ Sphere and Toric ICL lenses for the correction of myopia and myopia with astigmatism.

Measuring Vault

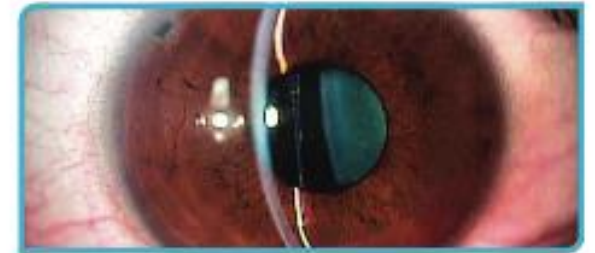
- Although the postoperative vault of EVO is intended to be approximately equal to the central corneal thickness, the optimal vault should be between 50% and 150% of central corneal thickness, this being equivalent to a range of 250 to 900 microns. However, in the absence of symptoms, lens vault outside this range may not necessarily require exchange or removal.¹



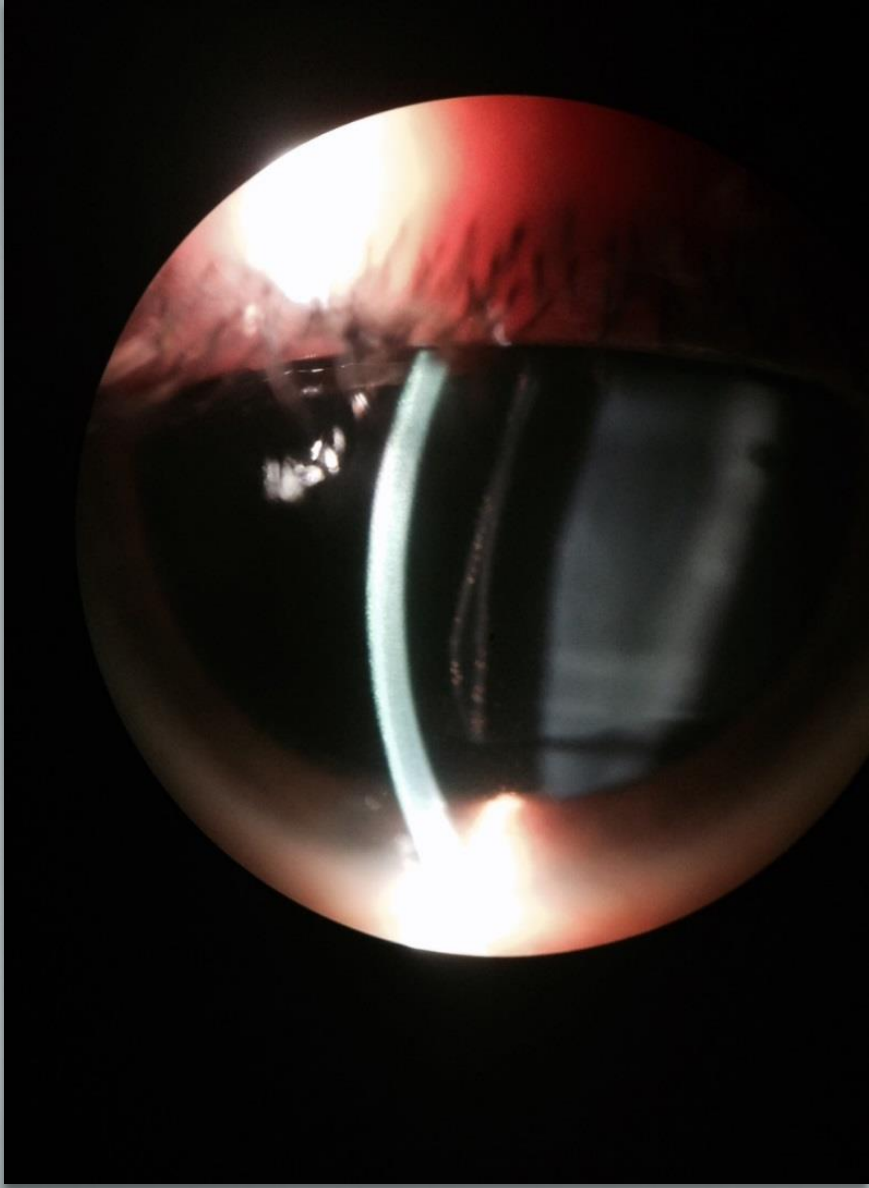
NORMAL VAULT



SHALLOW VAULT



HIGH VAULT



ICL
VAULT

EVO ICL – POSSIBLE CANDIDATES

- MODERATE TO HIGH MYOPE
- THIN CORNEAS
- DRY EYE PATIENTS
- FLAT-K MYOPES
- BENEFITS: MAINTAINS ACCOMMODATION AND HAS SUPERIOR OPTICS FOR HIGHER MYOPES. ALSO DOES NOT HAVE LENS REMOVAL RISKS (IE: RD) THAT LENS REMOVAL HAS IN A HIGH MYOPE

RLE

"CATARACT SURGERY" WITH ALL THE ASSOCIATED RISKS

- CONSIDER 50+ (THOUGH THERE ARE OTHER SCENARIOS) SINCE ACCOMMODATIVE LOSS PLAYS A FACTOR
- HYPEROPES AND HIGH MYOPES
- TORIC AND MULTIFOCAL OR MONOVISION
- PATIENT WILL "NEVER GET A CATARACT"
- EXPECTATIONS, EXPECTATIONS, EXPECTATIONS

CASE EXAMPLES

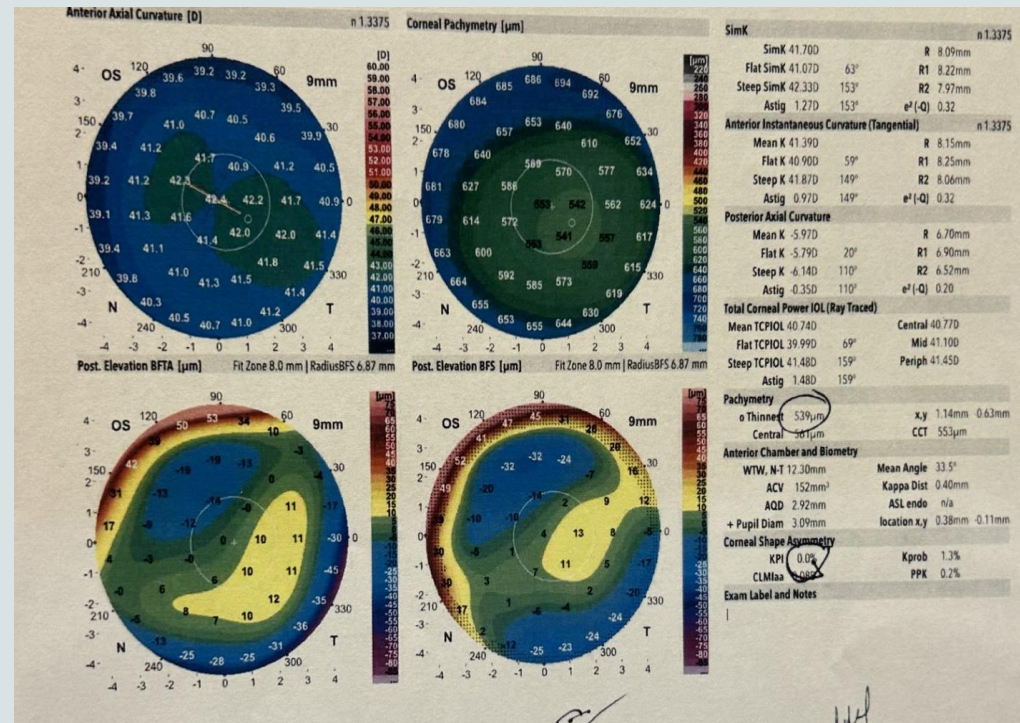


40 YO

- REFRACTION: OD -4.50-0.25X11520/20, OS -4.25-0.50X055 20/20
- PACH 522 OD, 527 OS
- NORMAL TOPOS
- PLAN: LASIK OU BUT STRESSED LOSS OF NEAR AND PRESBYOPIA

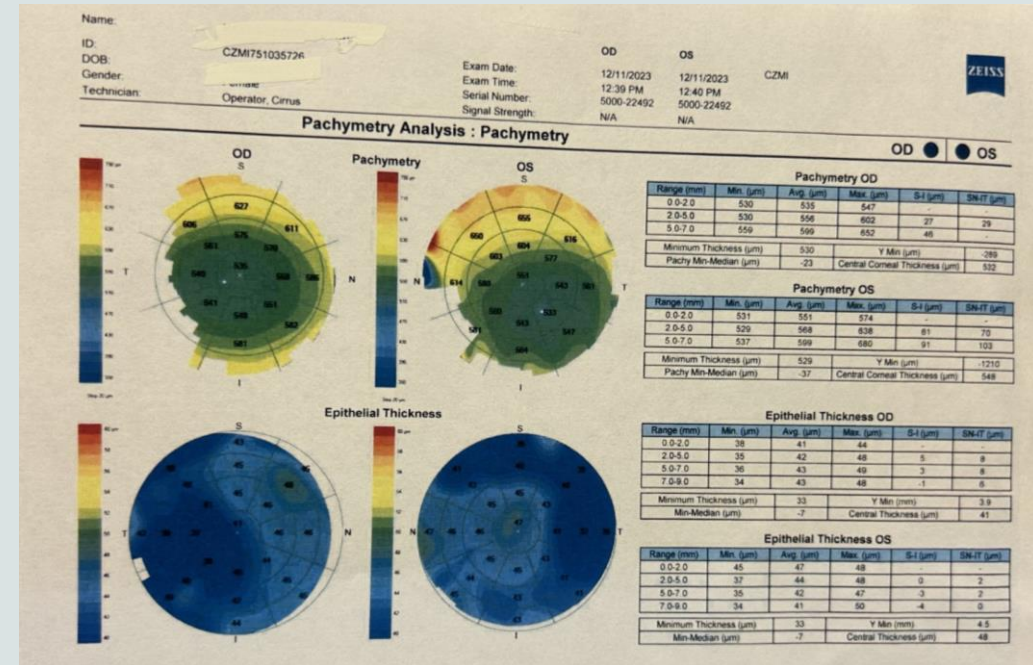
47 YO FEMALE

- REFRACTION: OD-3.75-2.00X110 20/20, OS -4.50-3.00X075 20/20
- PACH = 535 OD, 539 OS
- *IBRA CALCULATION: 39% PTA, 327 RSB
- TOPO:



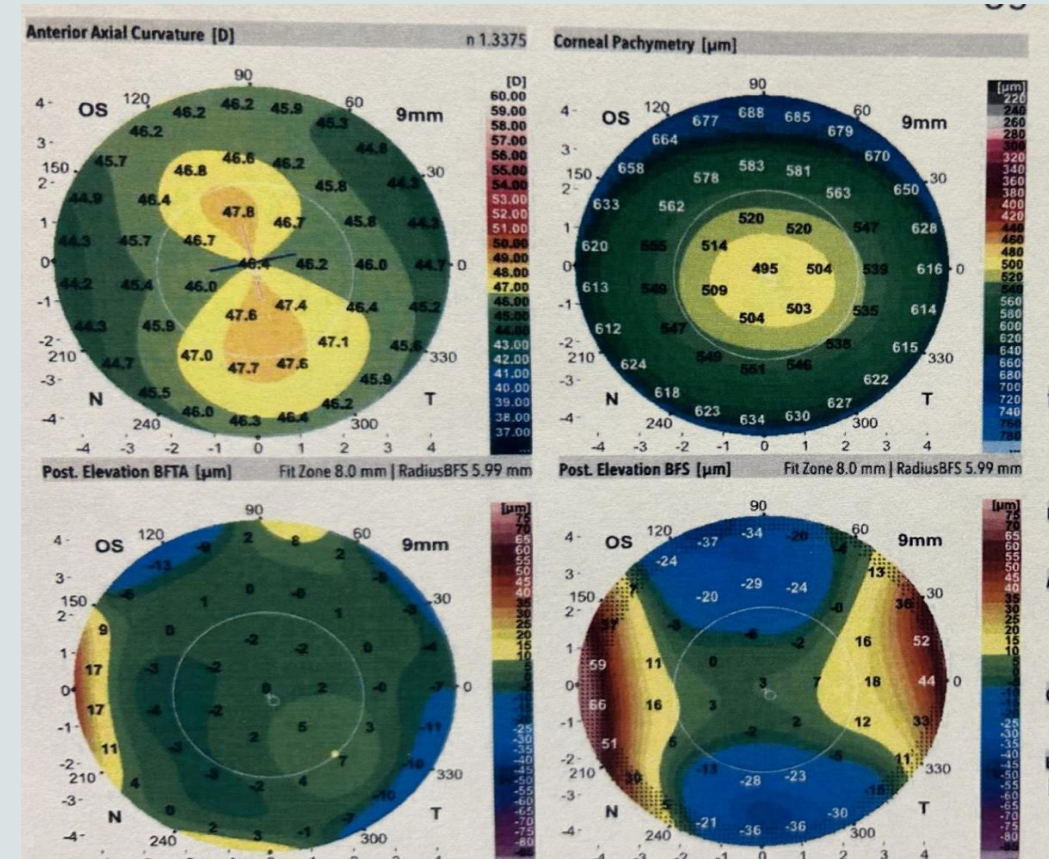
47 YO FEMALE

- EPITHELIAL MAP
- DISCUSSED LASIK, PRK - PREFERS LASIK, *REVIEWED WITH SURGEON - HER AGE HELPED IN THIS CASE IN REGARDS TO RF



LASER MORNING, 3 PRK - ALL DIFFERENT SCENARIOS - PATIENT ONE

- 22 YO WITH PACHS 502 OD AND 494 OS
- RX OD -1.75-1.25X152, OS -1.50-1.00 X 023
- BVA 20/20 OD, OS
- K'S 46 X 48 OU
- TOPO:
- AGE/PACHS/STEEP K'S/SLT INF STEEPING AND CORNEAL CYL...PRK



LASER MORNING, 3 PRK - ALL DIFFERENT SCENARIOS - PATIENT TWO

- 23 YO WM WITH MODERATE ALLERGIES
- RX: OD -6.75-1.00X160 20/20, OS -6.00-1.25X005 20/20
- PACHS 519 AND 516
- VERY NORMAL TOPOS OTHERWISE
- *IBRA: PTA W/ 110 = 43% AND RSB = 298 (RSB W/ 100 UM FLAP OD - 41% PTA, 308 RSB, 90UM FLAP 318 RSB AND 39%) *NOT IDEAL LASIK CANDIDATE*, ESPECIALLY W/ AGE (THOUGH THERE ARE CIRCUMSTANCES TO CONVERT TO A THINNER FLAP, YOU ARE DEALING WITH MORE FRAGILE TISSUE AND INCREASED CHANCE FOR INTRAOPERATIVE COMPLICATIONS)

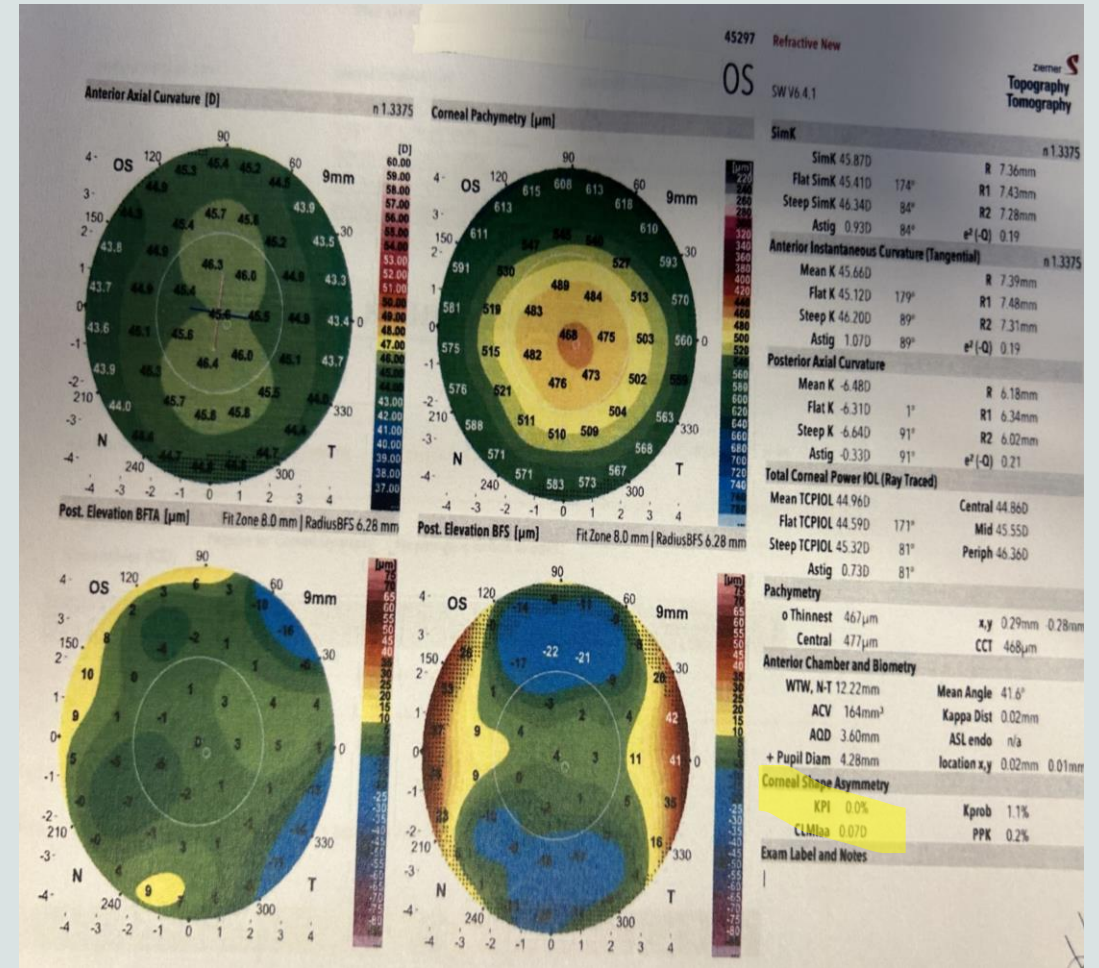
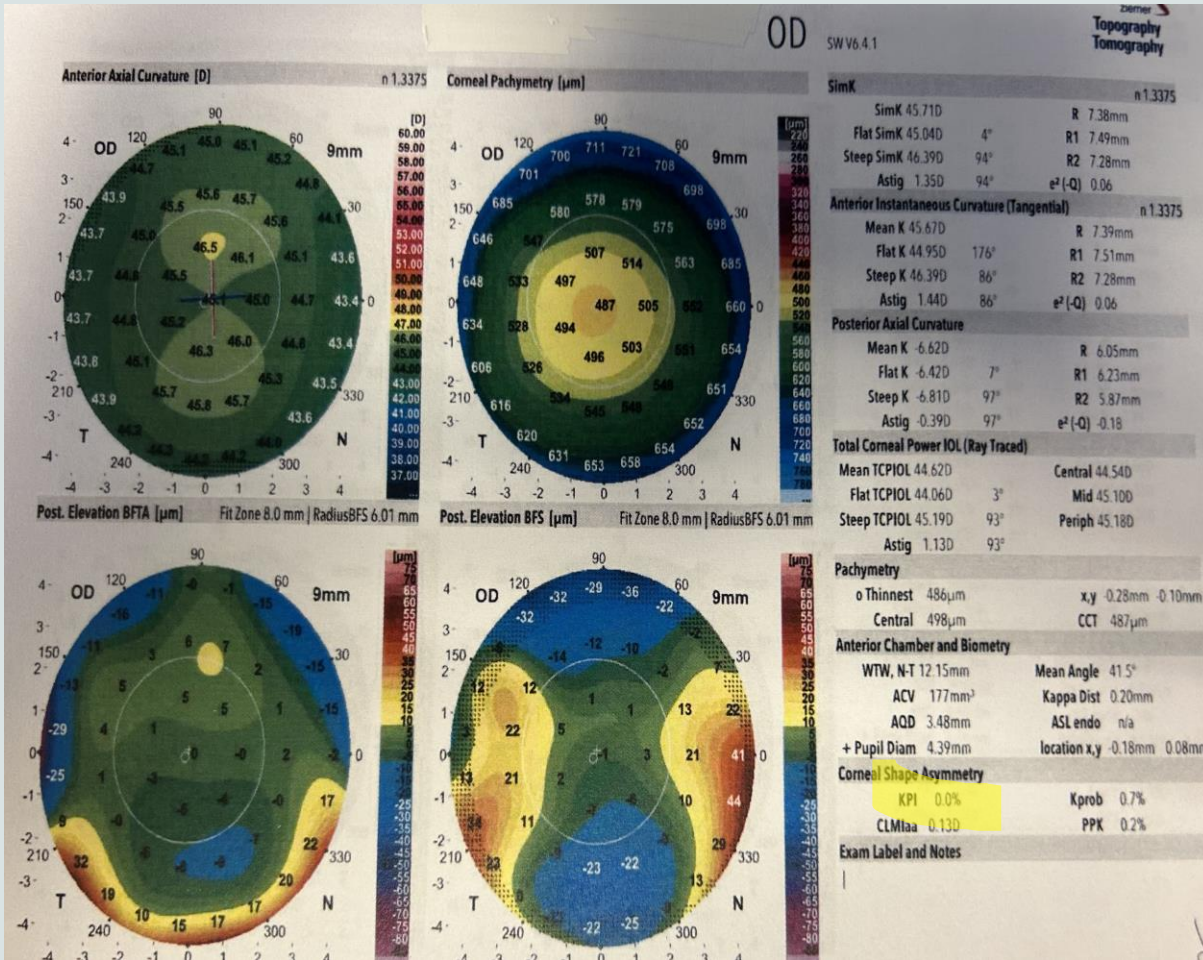
LASER MORNING, 3 PRK - ALL DIFFERENT SCENARIOS - PATIENT THREE

- 25 YO WM
- RX: OD -1.00-0.50X160 20/20, OS -1.25-0.25X032 20/20
- PACHS 537 OD, 521 OS
- PUPILS 7 MM OU
- NORMAL TOPOS
- DISCUSSED LASIK V PRK. DISCUSSED SLIGHT INCREASED R/O HALOS/GLARE
- PX COULD PROCEED W/ LASIK, BUT ELECTED PRK FOR HIS MILITARY CAREER

CASE EXAMPLE: 18 YO WM FOR LASIK EVALUATION

- ACTIVE LACROSSE PLAYER AND PLANNING TO ATTEND AVIATION SCHOOL AND PLAY LACROSSE IN COLLEGE - REQUESTING SURGERY OD ONLY
- RX: OD -1.25-0.50X005 20/20, OS PLANO-0.50X160 20/20
- PACHS 486 OD, 467 OS
- TOPOS: OTHER THAN BEING "THIN", NORMAL WITH KPI OF 0%

18 YO WM



18 YO WM FOR LASIK EVALUATION

- DISCUSSION: NO LASIK, POSSIBLE PRK
- PATIENT IS ONLY 18 YEARS OLD - DISCUSSION WITH PATIENT AND MOTHER FOR RISKS HAVE TO INCLUDE HIGHER RISK OF ECTASIA - WE JUST DON'T KNOW
- DECISION TO PROCEED W/ GENETIC TESTING TO DETERMINE ADDITIONAL RISK
- PLAN TO FOLLOW UP ON 6-12 MONTH INTERVALS INITIALLY AS PRECAUTION



AVAGEN



- Assesses 75 genes related to corneal structure/function, including KC
- To Perform Test:
- 4 swabs and a test tube with media
- Swab cheek 15-20 seconds on both R/L side 2x, using a different swab each time
- Inoculate test tube media with sample for 15-20 sec b/t each sample
- Patient portal - results online
- Px cost approximately \$300

PATIENT INFORMATION

SAMPLE INFORMATION

ORDERING PROVIDER

Sample ID: AVA0105646
 Sample Type: Buccal Swab
 Date Collected: 06/19/2023
 Date Received: 06/22/2023
 Date Reported: 06/30/2023

Physician Name: Dr. Charlene Maloney
 Clinic Name: Sightline Ophthalmic Associates
 Test Indication: Keratoconus

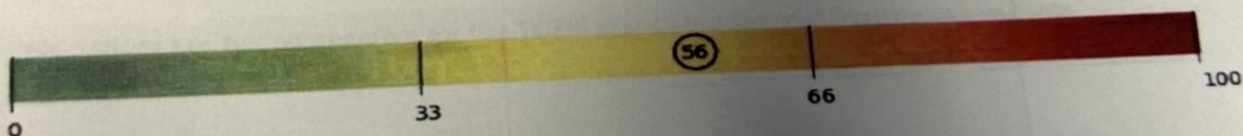
FINAL RESULTS SUMMARY

CONDITION TESTED	RESULT	DETAIL	EXPLANATION
Keratoconus (KC)	Moderate genetic risk	Polygenic Risk Score (PRS) = 56	Tested for variants by sequencing 75 genes
TGFBI Corneal Dystrophies (CD)	Negative for Corneal Dystrophy	No pathogenic variants detected	Tested negative for TGFBI Corneal Dystrophy

This AvaGen Genetic Test result should be considered with other clinical criteria, the patient's family history and communicated in a setting that includes appropriate genetic counseling.

Keratoconus (KC) Risk Assessment

Based on the polygenic risk score of **56**, this patient's risk for **KC** is **Moderate**



THE POLYGENIC KC RISK SCORE: The AvaGen Genetic Eye Test provides a polygenic risk score for individuals tested for their genetic risk for KC. The risk score is the weighted sum of individual risk contributed by several independent SNPs that were identified in our genetic association study by screening thousands of variants in 75 genes related to corneal structure and function. KC is a complex genetic disease that involves genetic and environmental components as well as their interactions that contribute to the development of the disease. Genetics is an important contributor in KC risk, but it is not the only contributing factor that determines risk for KC.

RESULTS

PATIENT INFORMATION

SAMPLE INFORMATION

ORDERING PROVIDER

Sample ID: AVA0105646
 Sample Type: Buccal Swab
 Date Collected: 06/19/2023
 Date Received: 06/22/2023
 Date Reported: 06/30/2023

Physician Name: Dr. Charlene Maloney
 Clinic Name: Sightline Ophthalmic Associates
 Test Indication: Keratoconus

Keratoconus Polygenic Test Details

Keratoconus risk genes for this patient:

COL4A1, LTBP2, MAP3K19, ABCB5

Keratoconus-Related Genes Tested:

ABCA4, ABCB5, ABCG6, ADAMTS18, ADGRV1, AGBL1, ANGPTL7, BEST1, CHST6, COL2A1, COL4A1, COL4A2, COL4A3, COL4A4, COL5A1, COL5A2, COL6A1, COL8A2, COL12A1, COL17A1, CYP4V2, DIAPH1, DOCK9, FOXE3, FYN, GJA8, GSN, HGF, IL1A, IL1RN, IL6, IL10, ITGB1, KERA, KRT3, KRT12, KRT13, KRT15, KRT16, KRT23, KRT24, LCAT, LOX, LRRN1, LTBP2, MAP2K1, MAP3K19, MTOR, MYLK, NLRP1, OVOL2, PAX6, PIK3CG, PIKIFYE, PIK3R1, PRDM5, PTK2, PXDN, PXN, RAF1, RHOA, SFTPD, SHC1, SIX5, SLC4A11, TACSD2, TCF4, TGFBI, TLN1, UBIAD1, VSX1, WNT9A, WNT9B, ZEB1, ZNF469

TGFBI Corneal Dystrophies Test Result

This patient has tested negative for the TGFBI associated Corneal Dystrophies variants

AvaGen Detects the Following TGFBI Associated Corneal Dystrophies

- | | | |
|-----------------|-------------------|------------------------------|
| Granular Type 1 | Lattice Type IIIA | Epithelial Basement Membrane |
| Granular Type 2 | Reis-Bucklers | Schnyder's-like |
| Lattice Type 1 | Thiel-Behnke | |

27 YO WF

- **PATIENT PRESENTS KNOWING SHE IS "NOT A LASIK CANDIDATE"**
- **RX: OD -4.50-0.50X28 20/20, OS -4.75-0.50 X 158**
- **PACHS: 456 OD, 448 OS**
- **TOPOS: NORMAL OTHER THAN BEING "THIN"**

27 YO WF

- **DISCUSSED BOTH PRK AND ICL (WITH PRK, WOULD WANT TO CONFIRM STABILITY D/T AGE AND FH OF "THIN CORNEAS", THOUGH NO KC/TRANSPLANTS PER PATIENT)**
- **DISCUSSED AVAGEN TESTING - PX DEFERS**
- **PX MOTIVATED TO PROCEED NOW FOR PROFESSIONAL REASONS AND OPTED ICL**

27 YO WF – ICL

- **1 DAY UNCVA 20/25 OD, 20/30 OS WITH GOOD "VAULT" OU AND IOP 13 OU**
- **3 MO VISIT 20/20 OD, OS UNCVA - LEAVING FOR JOB TRAINING - FEDERAL AGENT AT THE CA/MEXICO BORDER**
- **SHE DID HAVE SOME HALOS AT NIGHT WHICH SHE USES BRIMONIDINE IF BOTHERED BY IT (HAS ONLY USED 3-4 X SINCE SURGERY)**

56 YO WF

- **RX: -9.00-0.50X115 20/20, OS -11.50-0.75X80 20/20**
- **PACH: 468 , BUT NORMAL TOPOS OTHERWISE**
- **AGE NML LENS CHANGES (TR NS)**
- **PX DOES NOT LIKE MONO**
- **NOT CANDIDATE FOR LASIK/PRK OR ICL**
- **RLE WITH VIVITY IOL - APPROPRIATE EXPECTATIONS**
 - **AWARE NEAR VISION EXPECTATIONS W/ VIVITY, OK WITH RX FOR CLOSE NEAR TASKS PRN, PREFERS LESS CHANCE WITH RINGS V PANTOPTIX**
 - **WHEN CONSIDERING LENSES IN HIGH MYOPES/HYPEROPES, SOMETIMES AVAILABILITY OF IOL IS LIMITING FACTOR***
 - **1 DAY: UNCVA 20/20 OD, 20/20-1 OS**

25 YO WM

RX: OD +7.75-3.25X180 20/25, OS +8.75-3.75X003 20/50

STRABISMIC AMBLYOPIA OS

UNABLE TO ADAPT TO RGP AND SOFT CLS GET DRY AND ARE NOT CONDUCIVE IN HIS WORK ENVIRONMENT

PX OBVIOUSLY NOT A CANDIDATE FOR LASIK, PRK OR ICL

COULD CONSIDER RLE WITH TORIC IOL ...BUT MUST STRESS ACCOMMODATIVE LOSS

STILL, COULD CONSIDER RLE DESPITE AGE/NEAR LOSS AND MILD AMBLYOPIA IF THROUGHLY EDUCATED AND APPROPRIATE EXPECTATIONS.



Corneal Refractive Surgery (LASIK/PRK) Remains

- **Safe (in appropriate candidates)**
- **The least expensive**
- **The most predictable**
- **The modality with the broadest correction range of all the refractive surgical options**

Sightline Surgical Suite





Thank you

Charlene Maloney, OD

Charlene.maloney@sightlinelaser.com