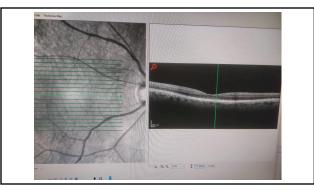


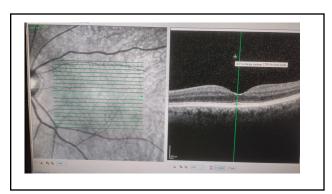
•72 year old, White Male

- Referred for Cataract Surgery
- Healthy

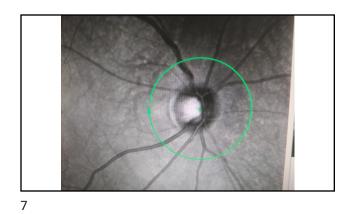
4

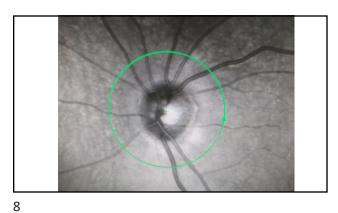
- ROS negative OD 20/200 OS 20/50
- "Myopic Shift" on Autorefractor





5

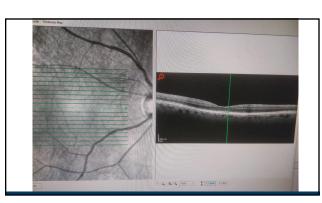




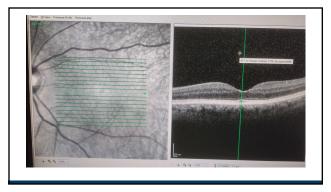


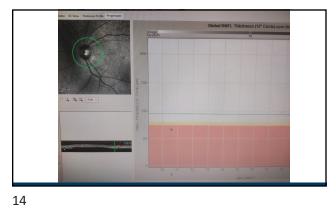
Day 1 Post-OP

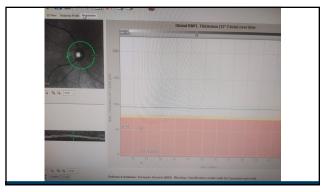
- Post-op Cataract OD
 Uncomplicated
 20/100
 Patient Unhappy



11 12

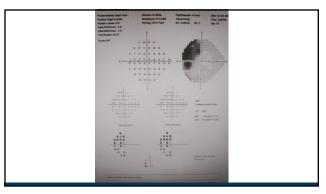


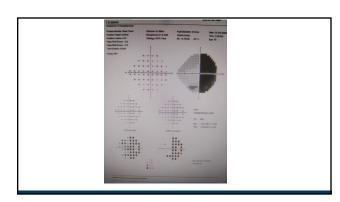


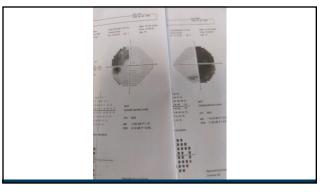


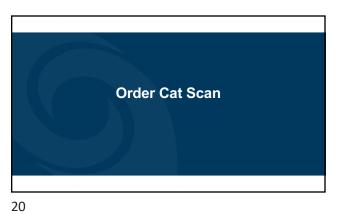
What to do now?

- Review of systems completely negative Had return tomorrow for visual field



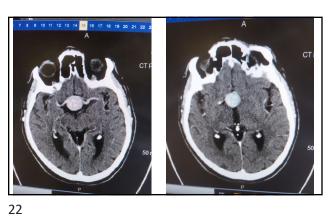






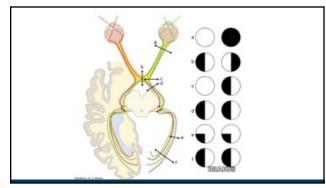
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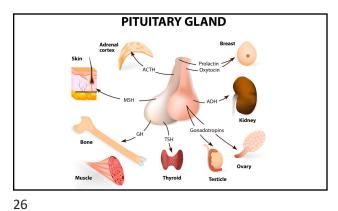




23 24

Pituitary Tumors

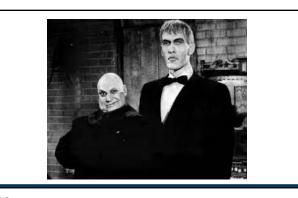
- Functioning
 - Make Hormones
- Non-Functioning
 - Growth causes pressure which cause damage



25

Pituitary Tumor

- Hormone Producing
 ACTH Tumors
 Stimulate adrenals to make hormone cortisol
 Sushing Syndrome
 Growth Hormone Secreting tumors
 Acromegaly
 Le. Lurch, Andre the Giant
 Prolactin
 Female—Menstrual irregularity, breast milk discharge
 Male—ED, loss of sex drive, breast
 T5H—Thyroid secreting hormone tumors
 Hyperthyroidism
 Weight loss, tachycardia, sweating



27 28





29 30

Pituitary Tumor

- Hormone Producing
 - ACTH Tumors
 - Stimulate adrenals to make hormone cortisol
 Cushing Syndrome

 - Growth Hormone Secreting tumors

 - Growth Hormone Secreting tumors
 Acromegaly
 i.e. Lurch, Andre the Giant
 Prolactin Secreting Tumors
 Female Menstrual irregularity, breast milk discharge
 Male ED, loss of sex drive, breast growth
 TSH Thyroid Stimulating hormone tumors
 Hyperthyroidism
 Weight loss, tachycardia, sweating



31





33 34



- •67 year old, White Female referred for SLT and YAG

 - She also complains of eyes more pronounced
 - Husband confirms
 - Order Ct scan
 - Enlarged Extraocular muscles

35 36





37 38



Always look at your patient

• Patient referred for cataract evaluation

39 40



- Patient said her right eye has been like that for 10 yearsShe knows its from her Thyroid
- She didn't know it could be treated
- Referred for treatment

42 41

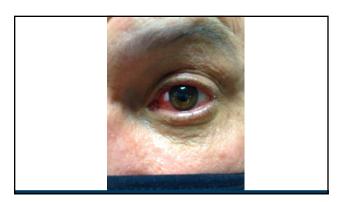
Growth on Eye

- •60 y.o. w.m. hit with a tree branch in March 2020
- Eye was red but got better
- •Fall 2020
 - Noticed spot on eye, started to get bigger
- •I saw him in March 2021



43





45 46





47 48



PROCEDURE
A. Excision.
HISTORY
A. 3-month history of enlarging conjunctival lesion with white in color.
Clinical impression is squamous cell carcinoma.
GROSS
A. "Conjunctival lesion OS." A 0.2 x 0.2 x 0.1 cm skin shave. All processed
1 cassette. Inked blue.
DIAGNOSIS
A. CONJUNCTIVA OS: SUPERFICIALLY INVASIVE, WELL-DIFFERENTIATED SQUAMOUS CELL
CARCINOMA, INVOLVING THE FRAGMENTED DEEP MARGIN. SEE COMMENT.

49 50

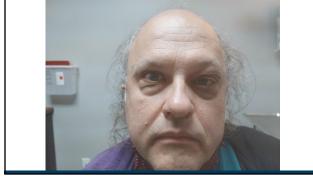
Unusual Conjunctivitis?

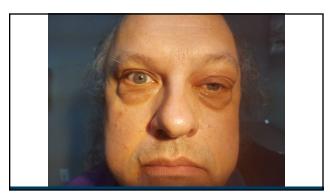
- 54 y.o. w.m. went to ER for 1 week of tearing in left eye
- Given antibiotic and allergy drop and is improving
- Sent to me for follow-up
- Patient reports his left eye is about 50% better
- Slit lamp showed moderate papillary conjunctivitis

Unusual Conjunctivitis

- Since he was getting better, I decided to add steroid drops
- Then I took a closer look

51 52





53 54

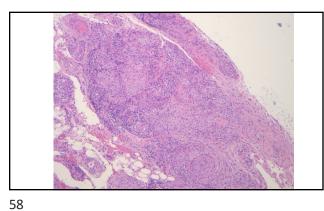
Unusual Conjunctivitis

- Patient reports left eye has always been lowerSomething didn't seem right
- Patient is a professor who told to listen to my gut instinct
- Ordered cat scan

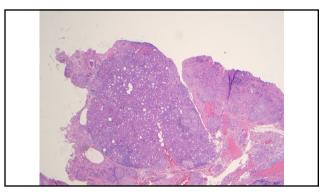


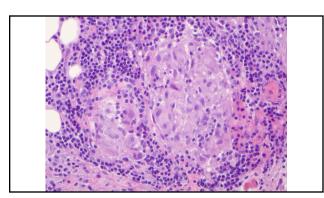
55



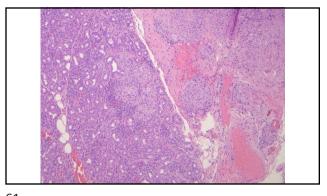


57





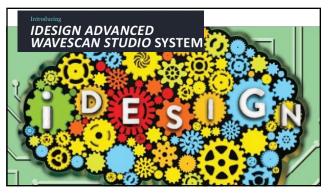
60 59



LASIK Update

- iDesign Refractive Studio
- Myopia up to -11.00 D and -5.00 D astigmatism
- Mixed Astigmatism -1-5 Diopters
- Hyperopia 4.00 D and Astigmastism 0-2D

61 62



WAVEFRONT-GUIDED
LASIK

- Highly precise map of the eye is generated, detailing all higher and lower refractive errors

- This accurate assessment allows the surgeon to tailor the treatment that's 100% personalized

63 64

your lasik procedure just got smarter
Technology Overview

The STAR S4 IR® Excimer Laser System and iDESIGN
System is indicated for wavefront-guided laser assisted in
situ keratomileusis (LASIK) in patients:

with myopia as measured by the iDESIGN System up to -11 D spherical
equivalent with up to -5 D cylinder

with agreement between manifest refraction (adjusted for optical infinity)
and iDESIGN System refraction of:

Spherical Equivalent: Magnitude of the difference is less than 0.625 D

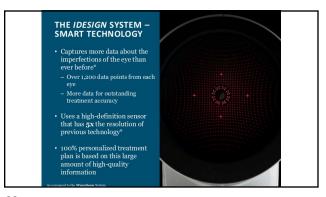
Cylinder: Magnitude of the difference is less than or equal to 0.5 D

18 years of age or older

with refractive stability (a change of ≈1.0 D in sphere or cylinder for a
minimum of 12 months prior to surgery)

65 66





YOUR LASIK PROCEDURE JUST GOT SMARTER

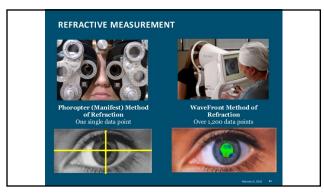
iDESIGN System Overview

68

THE *IDESIGN* SYSTEM RESULTS IN CLEARER, SHARPER VISION YOUR PATIENTS WILL ENJOY

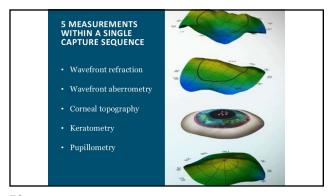
- 99% of people were not limited in active sports or outdoor
- 99% of people had little to no difficulty with the clarity of their vision after surgery1
- + $\,$ 97% of people were satisfied with their vision after surgery1
- 93% of people had little to no difficulty driving at night after surgery1
- Majority of people achieved 20/16 or better vision after

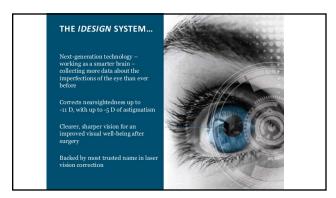
69 70



HOW THE IDESIGN SYSTEM WORKS · It shines a light into the eye of the patient The light travels as a bundle of rays which pass through the cornea, lens, vitreous and to the retina The light rays then travel back out of the eye, through a set of tiny lenses, called a **Hartmann-Shack lens array**, and into a camera

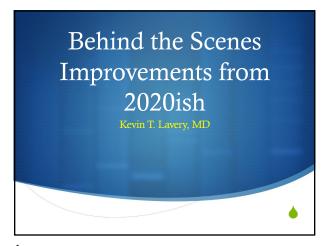
72 71

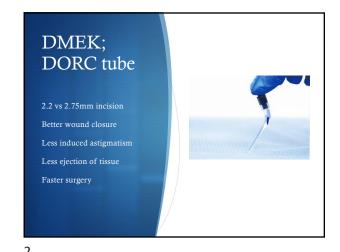


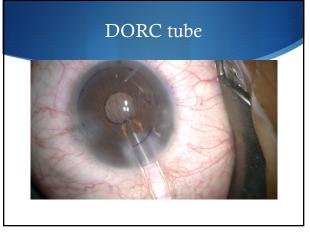


73 74









Pterygium Surgery with Mitomycin C

Less recurrence
Less expensive surgery
Faster surgery
No need for tissue grafts and amniotic membrane grafts with fibrin glue or surgery

3



Glaucoma drop therapy; greater availability

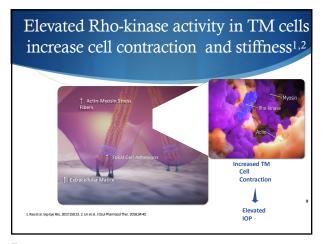
Three Criteria for a Medication

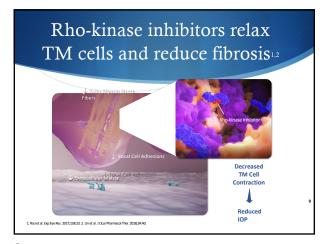
• Efficacy

• Tolerability

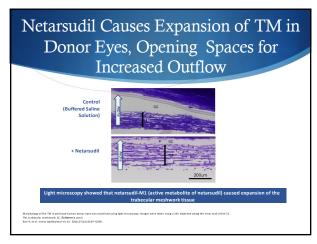
• Affordability

5



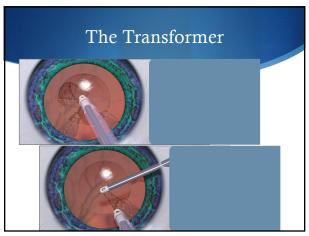


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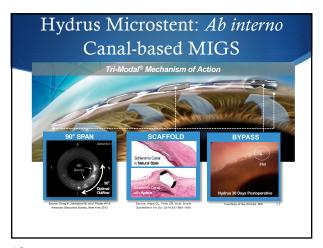


9 10



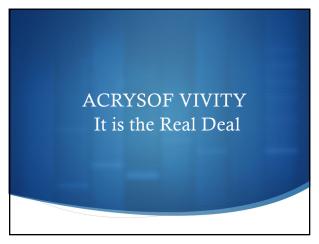


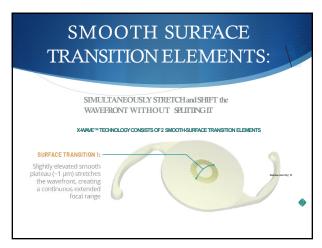
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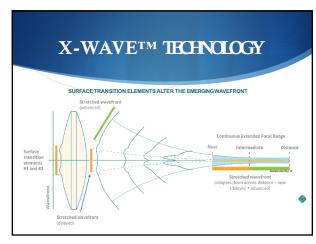
13 14





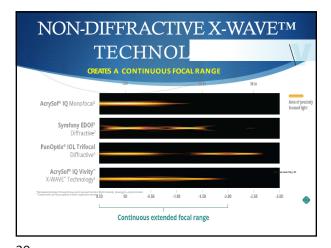
15 16





17 18



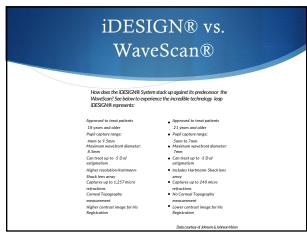


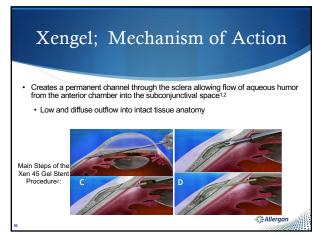
19 20





21 22

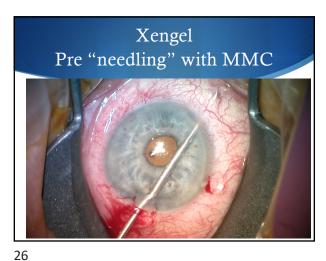




23 24



- Highly Effective but failures due to scarring
- Usually pretreat with Mitomycin
- Treat reduced flow with ocular massage and "needling" of the bleb



25

Midwest Vision Partners

- ♦ Handling of Covid Crisis
- Better Processes (phone room, scheduling, etc.)
- Upgrading systems (EMR, practice management software, billing software etc)
- Recruitment of doctors



27 29