

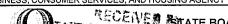
STATE BOARD OF OPTOMETRY

2450 DEL PASO ROAD, SUITE 105, SACRAMENTO, CA 95834 P (916) 575-7170 F (916) 575-7292 www.optometry .ca.gov



Continuing Education Course Approval Checklist

Title:
Provider Name:
☑Completed ApplicationOpen to all Optometrists?☑Yes☐NoMaintain Record Agreement?☑Yes☐No
☑Correct Application Fee
□ Detailed Course Summary
☑ Detailed Course Outline
☑ PowerPoint and/or other Presentation Materials
☑ Advertising (optional)
☑CV for EACH Course Instructor
☑License Verification for Each Course InstructorDisciplinary History? ☑Yes □No



TECENER STATE BOARD OF OPTOMETRY

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OPTOMETRY APR PM 12: 30

CONTINUING EDUCATION COURSE APPROVAL **APPLICATION**

\$50 Mandatory Fee

Please type or print clearly.

Pursuant to California Code of Regulations (CCR) § 1536, the Board will approve continuing education (CE) courses after receiving the applicable fee, the requested information below and it has been determined that the course meets criteria specified in CCR § 1536(g).

In addition to the information requested below, please attach a copy of the course schedule, a detailed course outline and presentation materials (e.g., PowerPoint presentation). Applications must be submitted 45 days prior to the course presentation date.

Course Title	Course Presentation Date					
Smile Incision Lenticle Extraction	03/05/20	1 😽				
The state of the s	r Contact Information					
Provider Name						
Leslie Kuhlmar		·				
(First)	(Last) (Middle	e)				
Provider Mailing Address						
Street 75 Enterprise City Aliso Viejo	State CA Zip 92673					
Provider Email Address_Leslie.Kuhlman@nvisioncenters.com						
Will the proposed course be open to all California licensed optometrists? ✓ YES □ NO						
Do you agree to maintain and furnish to the Board and/or attending licensee such records of course content and attendance as the Board requires, for a period of at least three years from the date of course presentation? ✓ YES □ NO						
Course Instructor Information Please provide the information below and attach the curriculum vitae for <u>each</u> instructor or lecturer involved in the course. If there are more instructors in the course, please provide the requested information on a separate sheet of paper.						
Instructor Name						
Ton	oma_					
(First)		ddle)				
(Tinst)	(Viii	<u> </u>				
License Number	License Type					
Phone Number (<u>449</u>) <u>836-6614</u>	Email Address Tom Tooma a	CO(8)				
I declare under penalty of perjury under the laws of the this form and on any accompanying attachments sub-		on submitted on				
4 Shulles	3/1/17					
Signature of Course Provider	Date /	Form CE-01, Rev. 5/16				



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Request for Approval of Continuing Education Course(s)

Leslie Kuhlman NVISION Eye Centers 75 Enterprise, Suite 200 Aliso Viejo, CA 92656

27100
For Office Use Only
Receipt No
ATS No
Date Rec'd _

Requests for approval of continuing optometric education (CE) courses should be submitted on this form. The California State Board of Optometry requires the following information in order to process a course approval request:

- \$50 processing fee
- Name of provider
- Course title(s)
- Date(s) the course is scheduled to be offered
- Topical outline of the course subject matter
- Any announcements, notices or advertisements of the course
- Curriculum vitae (CV) of all instructors and lecturers involved (NOTE: CVs should include every term of employment, academic credential, publication, contribution or significant achievement)

Requests for approval and the supplemental information should be submitted to the Board office at least 45 days prior to the first date that the course will be offered. Requests will be reviewed by staff and forwarded to the CE Committee for final review. If necessary, Board staff will contact the requestor for additional information. Course approvals are valid for 12 months or until the course is modified.

The CE Committee's decision(s) will be noted and a copy of this form will be returned to the provider to serve as official notification of approval and/or disapproval of the course(s). Please remember to include the contact person's name and mailing address in the space provided above.

CE	Committee Member
ندب	COMMITTICE INTERNIOR

YOU'RE INVITED

ORANGE COUNTY REGIONAL 5-HOUR CE EVENT

Sunday, March 5, 2017/7:00 am - 1:30 pm Improv Comedy, Irvine, CA

Join NVISION for an exciting continuing education event including networking, breakfast, lunch and raffles.



Exciting Presentations, Fantastic Raffle Prizes, Vendor Booths, Delicious Food & Drinks, and Breakfast & Lunch

SPEAKERS

Tom Tooma, MD • Franklin Lusby, MD Sheri Rowen, MD • John Nolan, MD Jonathan <u>Pirnazar</u>, MD

TOPICS

LRS, Ocular Nutrition, Crosslinking, Corneal Inlay

Limited availability. Registration ends 3/3/17. For more information and to RSVP, visit: https://ocregional5hrce.eventbrite.com

CA State Board of Optometry -Pending Approval





STATE BOARD OF OPTOMETRY 2450 Del Paso Road, Suite 105 Sacramento, CA 95834

On behalf of NVISION Eye Centers, we are writing to request approval of Continuing Education to California doctors of optometry. The education will be delivered by Board Certified Ophthalmologists, clinical investigators and experts in technology and patient consultation.

We are writing in response to your letter for information pursuant to CCR 1536 (g), to address why our application was submitted earlier than 45 days for course accreditation. As well as additional content requested.

The reason why our application was submitted earlier than 45 days for the course named "Smile Incision Lenticle Extraction" given March 5, 2017 access to the final presentation of the material not being accessible due completion on training on behalf of the surgeon and certification on new procedure. Once information required, we moved quickly to process accreditation requests. Please accept our apologies and deepest regrets. Going forward, we will make every effort to process these applications in a timely manner.

Course Description: This course will introduce Smile Incision Lenticle Extraction procedure, patient selection, and outcomes.

Course Objective: Knowledge transferred to Help our ODs explain options to the patient as well as to help them guide through the post operative phase.

Conditions of Availability: This course will be open to all licensed ODs. They will be notified through flyers, Eventbrite, and fax by request.

Records: NVISION Eye Centers to maintain and furnish to the Board and/or attending licensee such records of course content and attendance as required for a minimum of three years.

Professional Advancement: NVISION Eye Centers seeks to offer professional education to local and regional optometrist. As a leading practice in the ophthalmology field, NVISION doctors are engaged in research and latest developments on procedures, technology, and clinical therapies. The field of optometry is constantly evolving at a rapid pace and optometrists need to keep up. All Things Refractive in an interactive presentation. This CE activity will help attending ODs learn a full understanding of refractive surgery technology, clinical treatments and procedures, candidates, post-op & pre-op care, cost, co-management, how it is performed, and benefits.

The contact person for this program is myself, and I can be reached at 949.234.8129 or Leslie.Kuhlman@nvisioncenters.com.

Sincerely,

Leslie Kuhlman NVISION Laser Eye Centers Continuing Education and Special Projects Coordinator



Presenter – Tom Tooma, M.D.

Course Title - Smile Incision Lenticule Extraction

Course Outline -

U.S. LVC Market

Procedural Volumes Down from Historical Highs & Never Recovered

LASIK IS THE SAFEST ELECTIVE PROCEDURE WITH THE HIGHEST PATIENT SATISFACTION IN THE WORLD TODAY

U.S. LVC Market

Key Market Drivers

REFRACTIVE SURGEONS HAVING LASIK

5X MORE LIKELY – 65%

95% OPERATED ON A FAMILY MEMBER

3 Month Uncorrected Visual Acuity Outcomes

No enhancements performed

Overall Satisfaction With Present Vision WAS 99%

Cosmetic Procedures and Patient Satisfaction Rates

LASIK FACTS

DRY EYE TYPICALLY RESOLVES

LASIK FACTS

NO DRY EYE PRE OP = NONE POST-OP

LASIK FACTS

ONLY PATIENTS WITH DRY EYES PRE-OP, MAY DEVELOP DRY EYES POST-OP

Tear Lab

InflammaDry

MMP-9

LipiView

Gland Imaging

LipiView

Gland Imaging

CTL

SINGLE LARGEST RISK FACTOR FOR MICROBIAL KERATITIS

CTL RELATED INFECTIONS

1,000,000 VISITS ANNULALLY

4% OF ER VISITS

Proportion that strongly recommended their current vision correction (%)

Former CL wearers who had LASIK were asked:

"Does LASIK work better for you than contacts?"

LASIK improved ease of night driving



LASIK did not increase dry eyes relative to baseline CL use

LASIK - MY OUTCOMES

UCVA 20/20 = 95.1%

BINOCULAR UCVA 20/20 = 99%

POST OP MEAN SPHERE

-0.08 +/- 0.24D

68.2% +/- 0.24D

95.4% +/- 0.48D

POST OP MEAN CYLINDER

0.17D +/- 0.21D

POST-OP MEAN UCVA

20/17.4 +/- 0.6

U.S. LVC Market

Impact of ReLEx SMILE

ReLEx SMILE

Procedure Step-by-Step

Series of lamellar resections

1st lamellar cut defines posterior surface of lenticule

1st side cut defines lenticule diameter

2nd lamellar cut defines anterior surface of lenticule/posterior surface of attached cap

2nd side cut creates incision for removal of lenticule

Understanding SMILE

Docking

Centration on Visual Axis

Low Suction Pressure

Extremely Comfortable

Dissection of Lamellar Planes

And at the end...a smile

Day 1 SMILE

Day 1 SMILE Fellow eye

ReLEx SMILE - POTENTIAL BENEFITS

80% SMALLER SIDE CUT

30% SMALLER CAP CUT

UPPER CORNEAL LAYERS REMAIN INTACT

SMALL INCISION - FEWER TRANSECTED NERVES = LESS DRY EYES

SMILE - POTENTIAL BENEFITS

80% smaller side cut - less transected nerves, less dry eyes

Anterior lamellae of cornea preserved, including bowman's layer - better structural integrity

No flap to dislodge

Minimally invasive – flapless surgery

SMILE - PATIENT PERCEPTION

LESS INVASIVE

FOR PATIENTS WHO ARE AFRAID OF LASIK

FOR PATIENTS WITH DRY EYES



CTL FAILURES - IDEAL

BRAND NEW LASER VISION CORRECTION PROCEDURE

SMILE IS NOT FLAPLESS LASIK, IT IS A BRAND NEW PROCEDURE

SMILE Limitations

- 1. Vision recovery is a bit slower than LASIK
- 2. Final visual outcomes on par with LASIK
- 3. No eye tracking technology NOT NEEDED
- 4. No centration technology NOT NEEDED
- 5. Tissue removal on par with LASIK
- 6. No custom ablation, but aspheric lenticule, so risk of glare on par with LASIK NOT FOR ABERRATED CORNEAS

SMILE Limitations

- 8. No hyperopia capabilities as yet EARLY STUDIES
- 9. No presbyopia capabilities as yet
- 10. Retreatment may be performed using LASIK

SMILE Superiority

- 1. Less dry eyes than LASIK
- 2. Less risk with eye injury, eye rubbing or sports
- 3. Same laser energy and treatment time for -10.00D and -2.00D
- 4. Same predictability with SMILE for -2.0D and -10.00D
- 5. Greater biomechanical stability/corneal structural integrity

SMILE expands Refractive Options

SMILE expands but does not replace patient options for refractive surgery

SMILE complements PRK and LASIK, with lots of benefits and some limitations

LASIK requires Femtosecond Laser and Excimer Laser, PRK only an Excimer Laser and SMILE only a Femtosecond Laser

SMILE expands Refractive Options

SMILE like LASIK, preserves the epithelium for excellent post-operative comfort

SMILE like PRK, preserves the biomechanical stability of the anterior stroma

SMILE expands Refractive Options

Visual recovery is faster than PRK but slower than LASIK

Intra-operative comfort is greater with SMILE

Post-operative comfort greater with LASIK and SMILE, perhaps better with SMILE

Study Design & Objective

FDA Study

Study Design & Objectives

VisuMax Study Investigators

Key Inclusion Criteria

- 22+ years of age
- MYOPIA from \geq -1.00 D to \leq -10.00 D, with \leq -0.50 D cylinder and MRSE \leq -10.25 D
- STABLE REFRACTION FOR THE PAST 12 MONTHS
- UCVA < 20/40
- BSCVA at least 20/20
- CENTRAL THICKNESS > 500 microns



Key Exclusion Criteria

- MESOPIC PUPIL DIAMETER > 8.0 mm
- Cylinder > -0.50 D
- STROMAL BED UNDER CAP OF <250 MICRONS
- UNRESOLVED DRY EYES
- PREVIOUS INTRAOCULAR SURGERY OR CORNEAL SURGERY

Preoperative Refraction Parameters

FDA Study

Effectiveness: Post-Operative UCVA

FDA Study

Refractive Stability: Mean Change in MRSE

Refractive Predictability

High MRSE Predictability at 6 Months

FDA Study

Refractive Stability: Predicted MRSE at 6 mo.

High MRSE Predictability at 12 Months

FDA Study

Refractive Stability: Predicted MRSE at 12 mo.

FDA Study

Patients with Post-op UCVA ≥ Pre-op BSCVA

My two cents on SMILE

I still give a slight edge to Custom All Laser LASIK, but there are definitely patients that are better served with SMILE

I think it is an amazing procedure, superior to PRK and it is rapidly evolving and improving

Many patients standing on the sidelines will choose SMILE – No cut, no flap, less dry eyes, structurally intact eye My two cents on SMILE

I have no hesitation to treat anyone with SMILE rather than LASIK today, not a year ago, but today

In the past decade 1 million SMILE procedures have been performed, that is, the worldwide volume has doubled in the past year

This growth rate is faster than any other refractive procedure including LASIK

ReLEx SMILE

FDA Approved Indications

Indications for Use:

Reduction or elimination of myopia -1.00 D to -8.00D (-8.01 D to -10.0 D will trigger a flagged warning), with \leq -0.50D cylinder and MRSE -8.25D in the eye to be treated in patients who are 22 years of age or older with documentation of stable manifest refraction over the past year.

ReLEx SMILE

Difference Between U.S. and O.U.S.

U.S. Indications

Sphere: -1.00 to -8.00 D (-8.01 D to

-10.0 D will trigger a flagged warning)

Cylinder: Not FDA approved. Must have ≤ 0.5 D of residual cylinder

MRSE: -8.25 D



ReLEx SMILE

Difference Between U.S. and O.U.S.

U.S. Parameters

ReLEx SMILE

Difference Between U.S. and O.U.S.

U.S. Parameters

Incision size = 90 degrees (~6mm)

Incision orientation = superior

Optical Zone = 6.0 - 6.5mm

Spot separation = 3.0um

ReLEx SMILE

Efforts to Expand U.S. Treatment Ranges / Parameters

ZEISS VisuMax® Spherocylindrical SMILE Study

ReLEx SMILE

Efforts to Expand U.S. Treatment Ranges / Parameters

Military Study

ReLEx SMILE

Quickly Gaining Popularity OUS

ReLEx SMILE

China a predictor of US market with VisuMax and SMILE?

ZEISS ReLEx SMILE grew refractive procedures by more than 200% on average per ZEISS VisuMax laser over a 5-vear period in China.

ReLEx SMILE

By the Numbers

VisuMax Femtosecond System

Designed for Corneal Laser Surgery

Technical Benefits

High-precision flaps and corneal incision due to high performance femtosecond (500,000 Hz) technology

Widely adjustable flap diameter, thickness, hinge position, side cut angle

Easy repositioning of the flap (dock, re-dock)

Only femtosecond laser that can perform ReLEx® SMILE

Thank You!

WHAT ABOUT PATIENTS WITH DISTORTED CORENAS

CONTOURA

TOPOGRAPHY GUIDED LASIK

Zernike Pyramid - Low Order Aberrations Sphere and Cylinder

High Order Aberrations to 6th Order are Measured and Treated with Contoura Vision (see slide 12)

Image Validation – Registration Data

Image Validation – Reproducibility Check

Maps 1 and 2 compare well (0.75 Diopters difference or less)

Treatment Planning – Step 2

Analyzed Area

Treatment Planning - Step 4

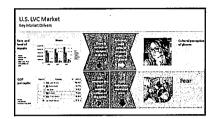
Higher Order Aberrations (HOA'S)

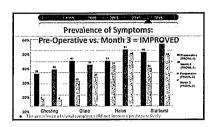


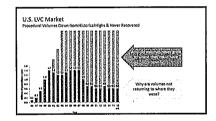
Additional Treatment Planning
Comparing Treatments
43 Y/O FEMALE
CONTACT LENS RELATED CORNEAL ULCER — PARACENTRAL SCAR
PRE OP BCVA 20/30
OD -2.50-1.50X20
35 Y/O female
Pre Op — OD -6.75-1.25X180 20/20
OS -6.50-2.00X170 20/20

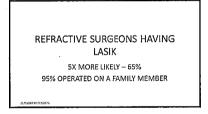
Post Op UCVA – 20/15 OU Ghosting of images PRE ENHANCEMENT 13 MONTHS LATER UCVA 20/15 OU GHOSTING OF IMAGES







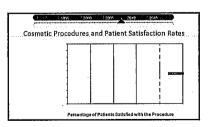






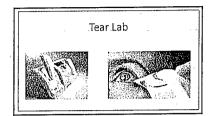
LASIK IS THE SAFEST ELECTIVE PROCEDURE WITH THE HIGHEST PATIENT SATISFACTION IN THE WORLD TODAY

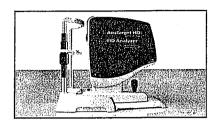
	Outcomes	PROWL-2
OU CVA 20/20 or beller	H+225	N+270 96%



LASIK FACTS

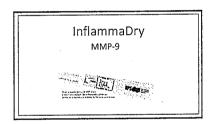
DRY EYE TYPICALLY RESOLVES





LASIK FACTS

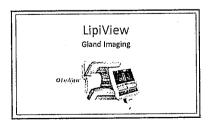
NO DRY EYE PRE OP = NONE POST-OP



LipiView
Gland Imaging

LASIK FACTS

ONLY PATIENTS WITH DRY EYES PRE-OP, MAY DEVELOP DRY EYES POST-OP



CTL

SINGLE LARGEST RISK FACTOR FOR MICROBIAL KERATITIS

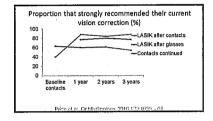
CTL RELATED INFECTIONS

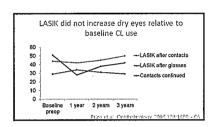
1,000,000 VISITS ANNULALLY 4% OF ER VISITS



POST OP MEAN SPHERE

-0.08 +/- 0.24D 68.2% +/- 0.24D 95.4% +/- 0.48D





POST OP MEAN CYLINDER

0.17D +/- 0.21D

Former CL wearers who had LASIK were asked:
"Does LASIK work better for you than contacts?"

Strongly agree

Agree

1.7%

Disagree

0.8%

Stongly disagree

0.8%

Stongly disagree

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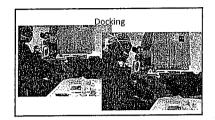
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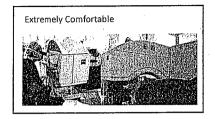
LASIK - MY OUTCOMES

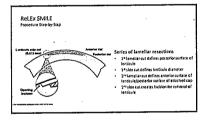
UCVA 20/20 = 95.1% BINOCULAR UCVA 20/20 = 99% POST-OP MEAN UCVA

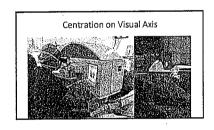
20/17.4 +/- 0.6

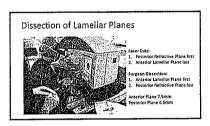


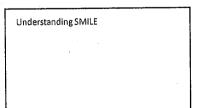


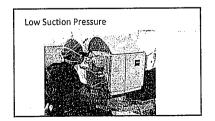








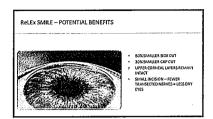


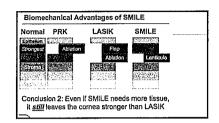


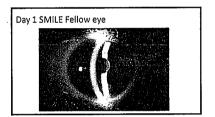


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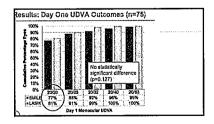


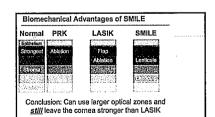
SMILE - POTENTIAL BENEFITS

- 80% smaller side cut less transected nerves, less dry eyes
- Anterior lamellae of cornea preserved, including bowman's layer - better structural integrity
- No flap to dislodge
- Mînimally invasive flapless surgery

SMILE - PATIENT PERCEPTION

- LESS INVASIVE
- FOR PATIENTS WHO ARE AFRAID OF LASIK
- FOR PATIENTS WITH DRY EYES
- CTL FAILURES IDEAL
- BRAND NEW LASER VISION CORRECTION PROCEDURE
- SMILE IS NOT FLAPLESS LASIK, IT IS A BRAND NEW PROCEDURE





SMILE Limitations

1. Vision recovery is a bit slower than LASIK
2. Final visual outcomes on par with LASIK
3. No eye tracking technology – NOT NEEDED
4. No centration technology – NOT NEEDED
5. Tissue removal on par with LASIK
6. No custom abilation, but aspheric lenticule, so risk of glare on par with LASIK – NOT FOR ABERRATED CORNEAS

SMILE Limitations

- 8. No hyperopia capabilities as yet EARLY STUDIES
- No presbyopia capabilities as yet
 Retreatment may be performed using LASIK

SMILE expands Refractive Options

- SMILE like LASIK, preserves the epithelium for excellent post-operative comfort
- SMILE like PRK, preserves the biomechanical stability of the anterior stroma

FDA Study Study Design & Dojectives

- Design & Objectives

 Prospective, notificenter, open latel, single-sem study

 Prospective, notificenter, open latel, single-sem study

 Prospects surple level. 200 subjects

 Unitarial searment with 17-rounds (allow-up period

 Prolow-ger searment with 17-rounds (allow-up period

 Disjects-ict or evaluate the author procedure (procedure) (prolosed data not part of photal shody)

 Disjects-ict or evaluate the author yand effectiveness of the Visualist Fermiosocoal Lazer

 Intelligible errors (allow-up period)

 Disjects-ict or evaluate the author and Middle OLD 3 D bughters with is 0-30 D cylinder were

 money, but an explicitive varior travership apart of the Proficial of special confidence of the special confidence of the part of the Proficial Section (allowed the part of the Proficial Section 1997).

SMILE Superiority

- 1. Less dry eyes than LASIK
- Less risk with eye injury, eye rubbing or sports
- Same laser energy and treatment time for -10.00D and 2.00D
- 4. Same predictability with SMILE for -2.0D and -10.00D
- 5. Greater biomechanical stability/corneal structural integrity

SMILE expands Refractive Options

- · Visual recovery is faster than PRK but slower than LASIK
- · Intra-operative comfort is greater with SMILE
- · Post-operative comfort greater with LASIK and SMILE, perhaps better with SMILE

VisuMax Study Investigators

Disher, M.D.

n Valida, M.D. David Dashr Dean Medison, W?

SMILE expands Refractive Options

- · SMILE expands but does not replace patient options for refractive surgery
- SMILE complements PRK and LASIK, with lots of benefits and some limitations
- LASIK requires Femtosecond Laser and Excimer Laser, PRK only an Excimer Laser and SMILE only a Femtosecond Laser

Study Design & Objective

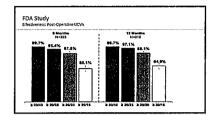
- Prospective, multi-center, open-label, single arm study
- 336 eyes treated
- 5 U.S. sites
- Unitateral treatment with 12-month follow-up
- Fellow eve had Lasik
- Up to -10D of myopia and less than 0.50D Cylinder

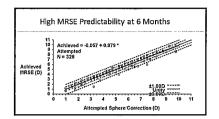
Key Inclusion Criteria

- 22+ years of age
- MYOPIA from ≥ -1.00 D to ≤ -10.00 D, with ≤ -0.50 D cylinder and MRSEs -10.25 D
- . STABLE REFRACTION FOR THE PAST 12 MONTHS
- UCVA < 20/40
- BSCVA at least 20/20
- . CENTRAL THICKNESS > 500 microns

Key Exclusion Criteria

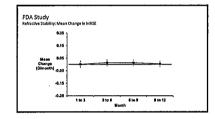
- MESOPIC PUPIL DIAMETER > 8.0 mm
- Cylinder > -0.50 D
- STROMAL BED UNDER CAP OF <250 MICRONS
- UNRESOLVED DRY EYES
 PREVIOUS INTRAOCULAR SURGERY OR CORNEAL SURGERY

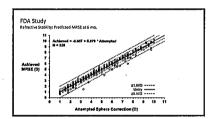




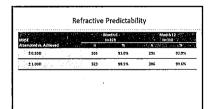
Preoperative Characteristics

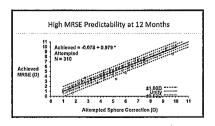
Female		196	58.3%
Raco		New Mark and the	the father glove
White		309	92,0%
Btack	1. AB21.50	10	3.0%
- Other	1.14	17	5.1%
Other Characteris	stics (7)	Mean	
Age (years) Baseline MRSE (Mean 33.3 -4.86	22 to 58 -1.00 to -19.25
Age (years)	D) 10 10 10	33.3	22 to 53

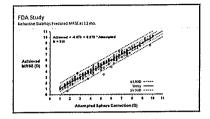




British St. Phys.	ANECTA	11768(4+118 <u>1+</u>	All Trea	ed Eyes
Manifest Refraction	Sphere (D)		n.	%
-1.00 to -2.00			39	11.6%
-2.01 to -3.00	-		54	10.1%
-3.01 to -4.00			50	14.9%
-4.01 to -5.00		1000	50	14.9%
-5.01 to -6.00	11479	10 to 10	43	12.8%
-6.01 to -7.00	1150	V 133775 V150-2-5	44	13.1%
-7.01 to -8.00	affective.	eurhoriataris.	29	8.6%
-8.01 to -9.00	9,500,00	Segreta Saladity	15	4.5%
-9.01 to -10.0	A. San Reford	100000000000000000000000000000000000000	12	3,6%
Mean	and became of	11.00 (0.00)	-4	76







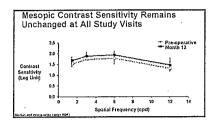
Summary: Excellent Outcomes UCVA at Point of Stability (6 months)

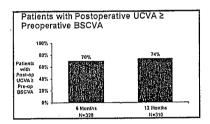
- 99.7% ≥ 20/40
 95% ≥ 20/25

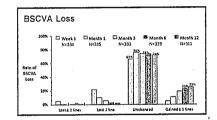
- 88% ≥ 20/20
 70% had UCVA better than or equal to pre-op BSCVA MRSE Predictability

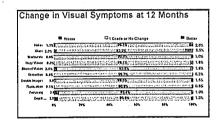
 98.5% had MRSE within ± 1.00D
- 93% had MRSE within ± 0.50D
- MRSE Stability

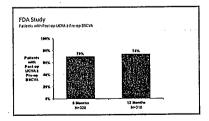
 Achieved at 3 to 6 month interval











No incidence of Induced Manifest Refractive Astigmatism

- Percentage of eyes with induced manifest refractive cylinder > 2,000 at point of stability
 - No eye presented with increase in cylinder > 2.00D at any postoperative visit

OSDI: Ocular Symptoms and Discomfort at 12 Months 17 33.

Have Refractive Surgery Again?

Yes	 	295	96%
No	 	2	<1%
Maybe	 	12	4%

- Summary: Excellent Safety Outcomes No study eye with BSCVA worse than 20/40 beyond Week 1
- No study eye with increased astigmatism > 2.0D
- No unanticipated adverse device effects (UADE)
 8 eyes with BSCVA loss ≥ 2 lines at Month 1 or later · All resolved by subsequent visit
- 14 patients with reported AEs
- 13 patients completed study with UCVA ≥ 20/20
 1 patient with UCVA of 20/25 at study completion

Indications for Use:

ITIDICATIONS TO USE: Reduction or climination of myopia -1.00 D to -8.00D (-8.01 D to -10.0 D will trigger a flagged warning), with 5-0.50D cylinder and MRSE-8.25D in the eye to be treated in patients who are 22 years of age or older with documentation of stable manifest refaction over the past year.

Satisfied with Refractive Surgery?

	N+329 N+309			
Very Satkfied	292	8914	286	93%
Moderately Sathfied	30	9%	18	6%
Neutral Table 1	4	1%	2	<1%
Dissatisfied	2	<1%	3	1%
Very Dhsathfied	1	41%	0	0%

My two cents on SMILE

- I still give a slight edge to Custom All Laser LASIK, but there are definitely patients that are better served with SMILE
- I think it is an amazing procedure, superior to PRK and it is rapidly evolving and improving Many patients standing on the sidelines will choose SMILE No cut, no flap, less dry eyes, structurally intact eye

ReLEX SMILE

- o.a. indications
 Sphere:-1.00 to-8.00 D (-8.01 D to
 -10.0 D will trigger a flagged warning)
 Cylinder: Not FDA approved. Must
 have ≤ 0.5 D of residual cylinder
 MRSE:-8.25 D

- O.U.S. Indications

 Sphere: -0.50 to -10.00 D

 Cylinder: 0 to 5.00 D

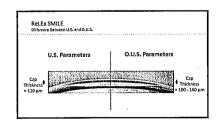
 Spherical equivalent: -0.50 to -12.50 D

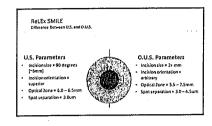
Intraoperative Ocular AE

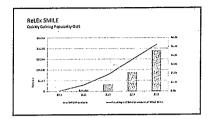
- . 5 events (n=5 patients)...
 - Cap perforation (n=1)
 - Difficult lenticule removal with tissue damage (n=2)
 - Retained tissue following lenticule removal (n=2)
- Only 1 persisted beyond 1-week visit
- All patients completed study with UCVA 20/16 or

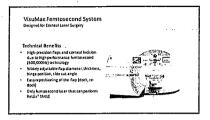
My two cents on SMILE

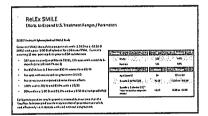
- I have no hesitation to treat anyone with SMILE rather than LASIK today, not a year ago, but today
- In the past decade 1 million SMILE procedures have been performed, that is, the worldwide volume has doubled in the past year
- This growth rate is faster than any other refractive procedure including LASIK

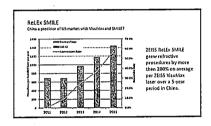


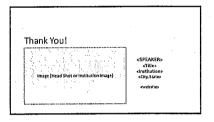




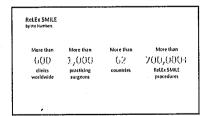












WHAT ABOUT PATIENTS WITH
DISTORTED CORENAS
CONTOURA
TOPOGRAPHY GUIDED LASIK





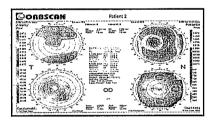
43 Y/O FEMALE

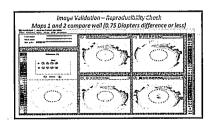
--CONTACT-LENS RELATED CORNEALULCER -- PARACENTRAL SCAR

PRE OP BCVA 20/30 OD -2.50-1.50X20

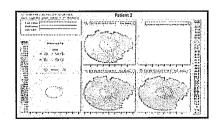


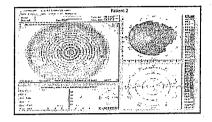


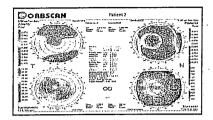


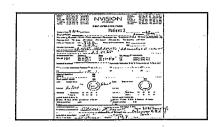


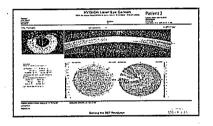


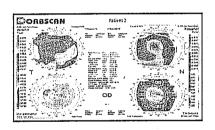






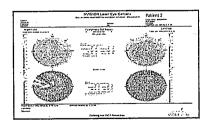


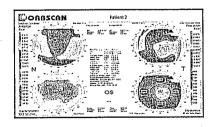




35 Y/O female Pre Op – OD -6.75-1.25X180 20/20

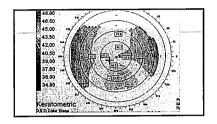
OS -6.50-2.00X170 20/20 Post Op UCVA – 20/15 OU Ghosting of images

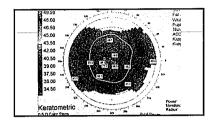


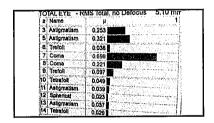


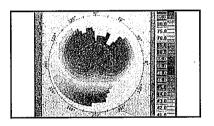
PRE ENHANCEMENT

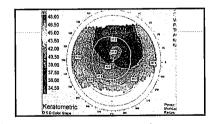
13 MONTHS LATER UCVA 20/15 OU GHOSTING OF IMAGES

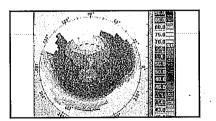














Dr. Tom Tooma

Medical Director NVISION Laser Eye Centers



Dr. Tooma has performed more than 100,000 LASIK procedures and believes that laser vision correction at NVISION is as safe as it can be. In fact, he has performed LASIK surgery on hundreds of doctors, including 250 eye doctors. That's why NVISION and Dr. Tooma are The Eye Doctors' #1 Choice for their eyes and their patients' eyes. Dr. Tooma believes that the combination of experience and technology gives NVISIONS's patients the highest possible likelihood of achieving 20/20 or better vision through LASIK procedures.

A pioneer in the world of LASIK surgery, Dr. Tooma has been a principal investigator in the field of laser vision correction since 1993. He helped several excimer laser manufacturers obtain FDA approvals for their lasers in the United States. He holds the record for many firsts: he was the first doctor in California to perform LASIK surgery and was the first to perform custom Wavefront-guided LASIK. He was also the first in the U.S. to use the FemtoSecond Laser (IntraLase FS30 – bladeless all laser LASIK), which is safer and more precise than a traditional blade.

In 2010, Dr. Tooma purchased TLC's interest in the 8 Southern California locations and formed NVISION Laser Eye Centers. At NVISION, Dr. Tooma provides his patients with a lifetime commitment, giving them the assurance that if they need any enhancement surgeries in the future, they can be performed at any NVISION center, for life and at no cost.

Dr. Tooma received his M.D. from Loma Linda University School of Medicine, where he also completed his internship in internal medicine and residency in ophthalmology. He completed his fellowship in Corneal and Refractive Surgery at the Emory University Department of Ophthalmology in Atlanta, Georgia. He has been board certified in ophthalmology for more than 25 years.

For Dr. Tooma, helping patients achieve their vision goals is his passion. "I feel privileged and blessed to participate in what is a life-changing experience for my patients," he said.

In his spare time, Dr. Tooma has served on medical teaching missions to Romania, Bulgaria, China and Fiji, helping teach local ophthalmology doctors new surgical techniques. In 2008, he and his wife, Marta Tooma, D.D.S., founded the Mission at Natuvu Creek in Fiji. The Mission serves the 250,000 people living on the island, with medical, dental and eye care provided by visiting physicians, including the Toomas.

1-877-91-NVISION | NVISIONCenters.com |

Education

1975 B.S. in Biochemistry, Magna Cum Laude, Loma Linda University

1979 M.D., Loma Linda University School of Medicine

Professional Training

1980 Internship in internal medicine, Loma Linda University Medical Center

1983 Completed a residency in ophthalmology, Loma Linda University

Department of Ophthalmology

Fellowships

1984 Fellow in Corneal Surgery & External Disease, Emory University Department of Ophthalmology, Atlanta, GA

Board Certification

1984 American Board of Ophthalmology

Professional Affiliations

- American Society of Cataract & Refractive Surgery
- International Society of Refractive Surgery
- · Castroviejo Corneal Society
- American Academy of Ophthalmology
- · And many others

University & Hospital Positions

- Chief, Department of Ophthalmology, Loma Linda University Community Hospital
- Director of Cornea Service, Department of Ophthalmology, Loma Linda University
- Director of Refractive Surgery, Department of Ophthalmology, Loma Linda University

1-877-91-NVISION NVISIONCenters.com



MEDICAL BOARD OF CALIFORNIA

Executive Office



January 31, 2011

Tom S. Tooma, M.D. 3501 S. Jamboree Road, Suite 1100 Newport Beach, CA 92660

Physician's and Surgeon's Certificate No. G 42262 RE:

Case No. 04-2008-195312

Public Letter of Reprimand

An investigation by the Medical Board of California revealed you failed to document a preoperative examination and develop a surgical plan before meeting with a patient.

These actions constitute a violation of Business and Professions Code 2266.

Pursuant to the authority of the California Business and Professions Code section 2233, you are hereby issued this Public Letter of Reprimand by the Medical Board of California.

Linda K. Whitney Executive Director