

### 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:			
<ul><li>☑Completed Application</li><li>Open to all Optometrists?</li><li>☑Yes</li><li>☐No</li><li>Maintain Record Agreement?</li><li>☑Yes</li><li>☐No</li></ul>			
☑ Correct Application Fee			
☑ Detailed Course Summary			
☑ Detailed Course Outline			
☑ PowerPoint and/or other Presentation Materials			
□Advertising (optional)			
☑ License Verification for Each Course Instructor Disciplinary History? ☐ Yes ☑ No			



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# CONTINUING EDUCATION COURSE APPROVAL APPLICATION

## \$50 Mandatory

Pursuant to California Code of Regulations (CCR) § <u>1536</u>, 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 and topical outline of the subject matter. Applications must be submitted 45 days prior to the course presentation date.

Please type or print clearly.			
Course Title Haste of the 16 and of 11 Course Presentation Date			
What We know about Topography budged - 0 4/30/2017 Refractive Surgery & Case Studies in Americanted 4/30/2017  Course Provider Contact Information			
Course Provider Contact Information			
Provider Name Coastal Vision Wedical Group			
Ginal Valdenar (Middle)			
(First)	(Last) (Mi	ddle)	
Provider Mailing Address			
Street Jeh S-Main St. H100  City Ovange State CA zip 92880			
Provider Email Address ging Valdemar @ Coastal-vision & com			
Will the proposed course be open to all California licen	sed optometrists?	YES DNO	
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?			
Course Instructor Information			
Please provide the information below and attach the curriculum vitae for each 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			
	in 3		
(First) (I	_ast) (	(Middle)	
License Number <u>83738</u>	License Type	-	
Phone Number (714) 7 46 96 79	g (navaldemar@coastal- usion.com Email Address_		
I declare under penalty of perjury under the laws of the State of California that all the information submitted on this form and on any accompanying attachments submitted is true and correct.			
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
Signature of Course Provider Date			
	4	Form CE-01, Rev. 2/16	



March 23, 2017

State Board of Optometry 2450 Del Paso Road, Ste. 105 Sacramento, CA 95834

RE: Late submission of CE course approval-Taste of the Islands 8 Hour CE-April 30, 2017: Five Retinal Diagnoses You Don't Want to Miss; Cataract Surgery in Patients with Corneal Pathology; Buried Treasure: Connecting the Dots to Treating Binocular Misalignment; Patient-reported Outcomes with Lasik: Interpreting the PROWL study; What We Know about Topography Guided Refractive Surgery: Case Studies in Clinical Practice; Do You See What I See?; Crosslinking for Corneal Ectasia: The Evolution of Sclera Lenses; Blink and You'll Miss It: Dry Eye in the Cosmetic Patient; Is the Symfony Toric Lens the Answer for Every Eye Condition; Should My Glaucoma Patient with a Cataract have a MIGS Surgery; Vitreous: Friend or Foe; Is it Cancer? The Optometrist Role in the Diagnosis and Management of Periocular Skin Cancer; Oral Presentations of Systemic Disease: Case Presentations; Glaucoma Management: What Should I do Next?

Dear Practice and Education committee,

I am writing this letter in regards to late submission for the multi-course symposium titled "Taste of the Islands CE" scheduled for presentation on 04/30/2017. We are short of the 45 day submission request, and wanted to include a letter for late submission with our CE approval application.

We continue to work diligently to get all required items to the board needed for CE approval in a timely manner. Due to multiple speakers at the upcoming CE, we had difficulty obtaining all the lectures to meet the submission requirement timeline and would appreciation your consideration of our continuing education approval request.

Please feel free to reach out to us with any other questions. We look forward to continued relations with the State Board of Optometry and the practice and education committee.

Sincerely

Gina Valdemar

Affiliate Relations and Education Director

Coastal Vision Medical Group

ginavaldemar@coastal-vision.com





Taste of the Islands 8 hour CE (5 of 15 lectures)

Course Title: What We Know about Topography Guided Refractive Surgery:

**Case Studies in Clinical Practice** 

Course Presentation date: 4/30/17

Speaker: Dan B. Tran, MD

Target Audience: This lecture is intended for optometrist seeking continuing

education

This lecture seeks to provide the continuing education for optometrists in regards to clinical application of customized wavefront optimized refractive surgery. This technology has many applications to improve quality of vision for patients suffering from spherical aberrations contributed to coma, trefoil, previous surgical technology and procedures. Discussion includes candidates, case discussions, and post-op outcomes in clinical practice. With a patient population that is interested in refractive surgery or options to improve previous refractive surgery, this lecture seeks to provide doctors with options for patient care.

CE Credit: .50 CE Units

## What We Know About Topography Guided Refractive Surgery: Case Studies in Clinical Practice Dan B. Tran, MD

Dan B. Tran, MD
Cataract & Cornea & LASIK Surgeon
Medical Director
April 2017

### 2 Quality of Vision

- Simulation of quality of vision having equal treatment with the ICL and LASIK based on higher order aberrometry (-7.0D treatment)
- Coma vision
  Impact & Symptom(s)
- 4 Trefoil vision impact & symptom(s)
- 5 SPHERICAL ABERRATION VISION IMPACT AND SYMPTOM (S)
- 6
- Spherical Aberrations of Fellow Eyes AMO AR40e Right Eye and ALCON SN60WF Left Eye
- 8 Spherical Aberrations as a function of lens
- 9 Reduction of HOA with Hinge Repositioning
- 10
- 11

### 12 Coma and Astigmatism

- · Coma and Axis relationship:
  - Coma can have a compounding effect on vision by decreasing, increasing, or neutralizing astigmatism.
- A Phoropter is a subjective measurement device not capable of identifying multiple axis points.
- · As a result, Coma cannot be accurately identified.

### 13 Shot Matrix of WaveLight

Coma has an elevation similar to Astigmatism

# 14 LASIK Consult 22 y/o Female MANIFEST REFRACTION

- 15
- 16
- 17

### 18 Candidate for Contoura and Why?

- · Who? & Why?
  - Virgin eyes with good measurements (tear film/exposure) can be candidates.
  - A clear corneal surface free of aberrations should produce the best clarity and contrast

as compared to leaving the aberrations untreated.

- WFO is great why go to all this trouble?
  - Technology advances.
  - Contoura takes something very good and makes it even better for your patient's future vision. The results of Contoura are clearly superior for advancing your patients beyond 20/20 as demonstrated in the Clinical Study\*
- \*Results from FDA T-CAT-001 clinical study for topography-gudied vision correction (with the 400 Hz ALLEGRETTO WAVE® Eye-Q Excimer Laser). \*Post hoc analysis of postoperative UCVA compared to preoperative BSCVA of 230 eyes contained in the FDA T-CAT pivotal trial at 12 months. The primary end point evaluated changes in BSCVA.

### 19 Why Does Angle Kappa Matter?

- Moving the treatment to account for angle kappa allows the center of the ablation to be closer to the patient's line of sight which helps to reduce any additional aberrations over their pupil.
- Additionally hyperopic patients commonly have angle kappa. The hyperopic treatment occurs mainly in the periphery leaving the center 1mm untreated by the excimer. Allowing that 1mm untreated area to be placed over the patient's line of sight reduces the chance of inducing an aberration over the line of sight.

### 20 IRIS REGISTRATION WITH CONTOURA

• "Because the astigmatic treatment with Wavelight WFO is such a broad band of treatment, there could be some small cyclorotation of the eye and the treatment still be affective. With iris registration, the "sweet spot" of the astigmatism treatment can be placed exactly where it needs to be in cases of cyclorotation, improving the treatment's effectiveness, improving outcome stability and improving the consistency of your nomogram."

### 21

### 22 Visual Symptoms: SSED Page 17 and 18

Light Sensitivity

- Month 1, 31% of patients had no reported light sensitivity. At month 12, 70% of patients reported no light sensitivity.
- Night Driving Difficulty
  - Month 1, 53% of patients reported no difficulty driving at night. At month 12, 71% of patients reported no driving difficulty.

### 23 Visual Acuity: SSED Page 30

### • 20/20 group:

- - Month 1 was 87%.
  - At month 3 and 12 it was 93%.
- 20/10 group
  - Month 1: 4%
  - Month 12: 16%
- There were shifts toward continuing improvement in the proportion of eyes attaining UCVA of 20/16, 20/12 and 20/10 through 12 months. For example, 59% of the patient eyes were 20/16 at month 1. At month 3 it was 69%, and month 12 it was 65%.

6

### 24 Case Presentation

- Current Glasses
  - -OD: +8.50-3.50x075 20/50
  - OS: +3.25-1.00x120 20/50
- Slit Lamp Evaluation
  - -8 RK incisions with central scarring, 2 mini AK incisions OU
  - Poor ocular surface, TFBUT < 3 seconds OU</li>
  - Nuclear sclerosis 2-3+ OD, PCIOL OS
- 25

### 26 Magellan Topography

### 27 Scleral Lens

- · Vaults the entire cornea and rests on the sclera
- · bathes the entire corneal surface in fluid
- •
- •
- •

### 28 Cataract With Irregular Cornea

- EO 57 y/o Male Dentist
- S/P Myopic ALK in Mexico over 20 years ago
- UCVA CF at 2ft
- SCL -20D OU with 20/200 OD
- Over-refraction -16.0D
  - --3.50-3.00 x 060 20/50 "Blurry" with 2+ NS
  - --3.25-2.50 x 127 20/50

### 29 OrbScan Pre-Op

### 30 OrbScan Pre & Post Topo Guided PRK

### 31 Case Presentation

- 32 yo male corneal evaluation
  - Chief complaint: Decreased vision OS since healed corneal abrasion

7

- Ocular History:
  - Contact lens wearer
  - Corneal abrasion OS
- Manifest Refraction
  - OD: -1.25-1.50x 165 20/20 - OS: -3.25-1.25x005 20/40

### 32 Case Presentation cont...

Slit Lamp Evaluation

```
- OS: corneal abrasion healed with irregular epithelium, stromal scar
      · Treatment Plan
        - LASIK OD
        - Topography-Guided PRK OS
33 Case Presentation
      • 69 yo female - Cataract evaluation
        - Chief complaint: Blurry VA OU, glare and light sensitivity

    Ocular History:

        - Hyperopic monovision LASIK in 2000

    Manifest Refraction

        - OD: -0.50-1.50x100 20/50
        -OS: +1.25 DS
                                     20/30, BAT 20/40
34 Case Presentation cont...

    Slit Lamp Evaluation

        - LASIK Flap OU
        - OD: Nuclear sclerosis 2+ OD, nuclear sclerosis 2+ & PSC trace OS
```

# 35 2 Month Post-Op

Treatment Plan

• Chief complaint: Vision is blurry OD>OS

- Tecnis multifocal ZKB00 IOL with ORA OU

Manifest Refraction

-OD: -0.50+1.25x040 20/50

• S/P Hyperopic LASIK with larger steepening centrally OD

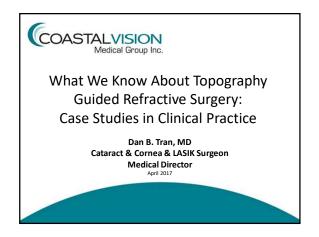
Treatment Plan

- Topography-guided PRK enhancement OD to regularize surface

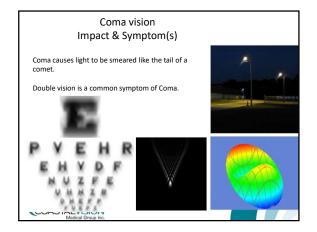
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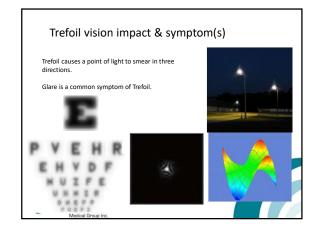
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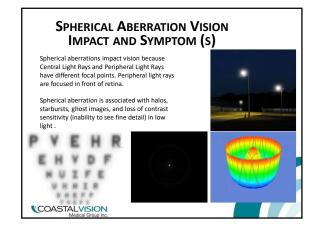
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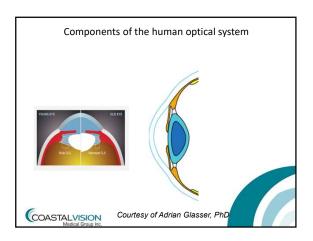


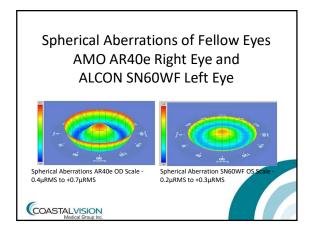


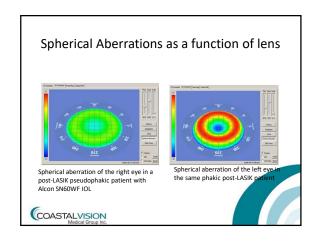


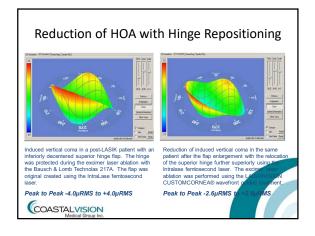




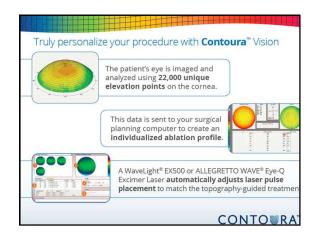


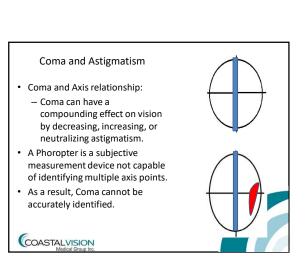


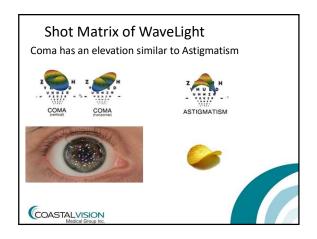


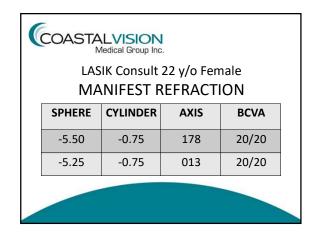


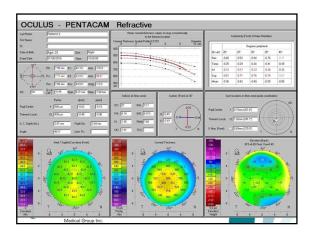


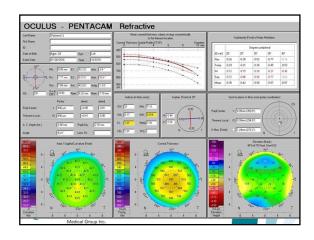


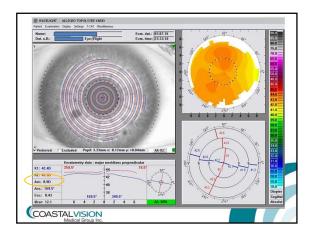










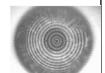


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### Why Does Angle Kappa Matter?

- Moving the treatment to account for angle kappa allows the center of the ablation to be closer to the patient's line of sight which helps to reduce any additional aberrations over their pupil.
- Additionally hyperopic patients commonly have angle kappa. The hyperopic treatment occurs mainly in the periphery leaving the center 1mm untreated by the excimer. Allowing that 1mm untreated area to be placed over the patient's line of sight reduces the chance of inducing an aberration over the line of sight.



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### IRIS REGISTRATION WITH CONTOURA

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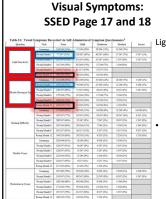
Plano -2.00 x 90° COASTALVISION



RESULTS: Topography - Guided LASIK

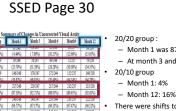
- 3 months after Topography Guided LASIK surgery
  - 92.7% of all eyes had UCVA of 20/20 or better
  - 68.8% of all eyes had UCVA of 20/16 or better
  - 31.6% of all eyes had UCVA of 20/12.5 or better
- ■3 months after Topography Guided LASIK surgery
  - 29.6% of eyes gained at least 1 line of BSCVA





### Light Sensitivity

- Month 1, 31% of patients had no reported light sensitivity. At month 12, 70% of patients reported no light sensitivity.
- Night Driving Difficulty
  - Month 1, 53% of patients reported difficulty driving At month 12 patients re driving dif



Visual Acuity:

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Month 1 was 87%.

At month 3 and 12 it was 93%

- Month 1: 4%

There were shifts toward continuing improvement in the proportion of eyes attaining UCVA of 20/16, 20/12 and 20/10 through 12 months. 59% of the patient 20/16 at month was 69%, and 65%.

### **Case Presentation**

Current Glasses

- OD: +8.50-3.50x075 20/50 - OS: +3.25-1.00x120 20/50

Slit Lamp Evaluation

- 8 RK incisions with central scarring, 2 mini AK incisions OU

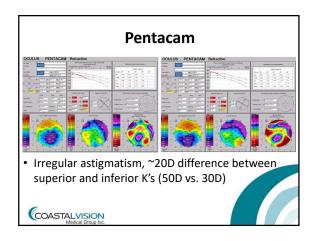
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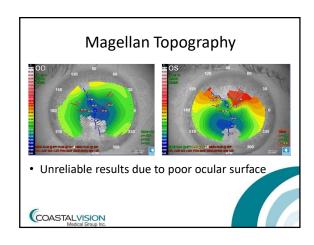
- Nuclear sclerosis 2-3+ OD, PCIOL OS

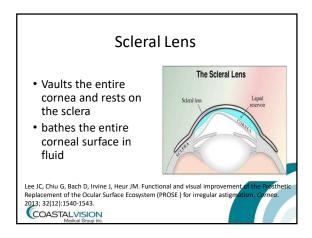


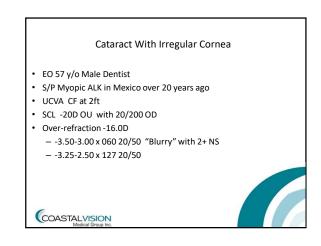


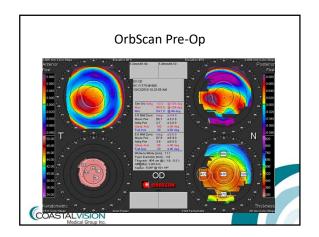


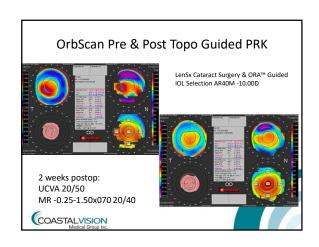












### **Case Presentation**

- 32 yo male corneal evaluation
  - Chief complaint: Decreased vision OS since healed corneal abrasion
- · Ocular History:
  - Contact lens wearer
  - Corneal abrasion OS
- · Manifest Refraction

- OD: -1.25-1.50x 165 20/20 - OS: -3.25-1.25x005 20/40

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# Case Presentation cont... • Slit Lamp Evaluation - OS: corneal abrasion healed with irregular epithelium, stromal scar ### Treatment Plan - LASIK OD - Topography-Guided PRK OS \*\*COASTALVISION\*\*

### **Case Presentation**

- 69 yo female Cataract evaluation
  - Chief complaint: Blurry VA OU, glare and light sensitivity
- · Ocular History:
  - Hyperopic monovision LASIK in 2000
- Manifest Refraction
  - OD: -0.50-1.50x100 20/50
  - OS: +1.25 DS 20/30, BAT 20/40

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### **Case Presentation cont...**

- Slit Lamp Evaluation
  - LASIK Flap OU
  - OD: Nuclear sclerosis 2+ OD, nuclear sclerosis 2+ & PSC trace OS
- Treatment Plan
  - Tecnis multifocal ZKB00 IOL with ORA OU

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# Chief complaint: Vision is blurry OD>OS Manifest Refraction OD: -0.50+1.25x040 20/50 S/P Hyperopic LASIK with larger steepening centrally OD Treatment Plan Topography-guided PRK enhancement OD to regularize surface COASTALVISION

# THANK YOU FOR YOUR ATTENTION "Continous effort – not strength or intelligence – is the key to unlocking our potential." - Winston Churchill COASTALVISION Medical Group Inc.

# DAN B. TRAN, M.D.

# Diplomate American Board of Ophthalmology

Dan B Tran Medical Corporation 709 E. Anaheim St., Long Beach, CA 90813 1310 W. Stewart Drive, Suite 505, Orange, CA 92868 293 S. Main St., Suite 100, Orange, CA 92660

15825 Laguna Canyon Rd, Suite 201, Irvine, CA 92618

Bus.(714)771-1213 & (949)453-4661 & Cel.(714)609-5559 & Fax.(562)591-1311

E-mail: dantran@coastal-vision.com

### PROFESSIONAL EXPERIENCE

Dan B. Tran Medical Corporation

6/1999 to Present

709-E. Anaheim St. Long Beach, CA 90813

1310 W. Stewart Drive, Suite 505 293 S. Main St., Suite 100 Orange, CA 92868 7/2005 to Present 11/2013 to Present

360 San Miguel, Suite 307 Newport Beach, CA 92660 07/2013 to Present

15825 Laguna Canyon Rd, Suite 201

07/2015 to Present

Irvine, CA 92618

MEDICAL DIRECTOR / PRESIDENT. PRIVATE PRACTICE IN GENERAL OPHTHALMOLOGY, CORNEA AND REFRACTIVE SURGERY. DIRECTOR AND CHIEF SURGEON OF CORNEAL REFRACTIVE LASER EYE CENTER LOCATED ON 293 S. MAIN STREET, ORANGE PROVIDING COMPREHENSIVE REFRACTIVE SURGERY CORNEAL AND INTRAOCULAR LENS BASE. DIRECTOR OF COMPREHENSIVE OPHTHALMOLOGY CLINICS IN LONG BEACH, IRVINE, AND ORANGE.

### **NVISION Laser Eye Centers / TLC Eye Institute** 2007 to 2013

Institute

3501 Jamboree Rd., Suite 200B Newport Beach, CA 92660

Surgeon and Medical Director – Provide cataract and refractive surgery including Multifocal IOLs, femtosecond laser for refractive cataract surgery with intraoperative wavefront aberrometry to the NVISION center in Newport Beach, CA

### **Coastal Vision Laser Eye Centers**

2004 to 2013

3501 Jamboree Rd., Suite 1100 Newport Beach, CA 92660

Surgeons – Provide refractive surgery including Intacs, Phakic Intraocular lenses, Refractive Lens Exchanges, LASIK with IntraLase and Multifocal IOLs to the NVISION center in Newport Beach, CA

### **Irvine Vision Institute**

16300-Sand Canyon Ave., Suite 504

Irvine, CA 92618

MEDICAL DIRECTOR. PROVIDE ALL MEDICAL AND SURGICAL SERVICES FOR THE IRVINE LASER VISION INSTITUTE. THE INSTITUTE PROVIDES FULL SPECTRUM REFRACTIVE SURGERY SERVICES. EXPERIENCE IN LASIK, PRK, LASEK, INTACS, PHAKIC IOL, INTRALASELASIK, CATARACT SURGERY AND LENS IMPLANTS.

Shiley Eye Center
University of California San Diego

7/1997 to 6/1998 8/1998 to Present

La Jolla, CA 92037

CLINICAL INSTRUCTOR.

PRACTICE IN GENERAL OPHTHALMOLOGY, CORNEA AND REFRACTIVE SURGERY. RESPONSIBLE FOR ALL MANAGED CARE PATIENTS AT UCSD. RESPONSIBLE FOR VA HOSPITAL CORNEA CLINIC. TEACH AND ATTEND RESIDENTS SURGICAL CASES AT THE VA HOSPITAL AND UCSD MEDICAL CENTER.

### IBM Corp.

South Coast Division, Costa Mesa, CA; 4/1984 to 5/1989

General Product Division, Tucson AZ; General Product Division, San Jose, CA

**ELECTRICAL ENGINEER.** RESPONSIBILITIES INCLUDING TECHNICAL SUPPORT FOR IBM MAINFRAME AND PERSONAL COMPUTERS. DESIGN & SIMULATION & SPECIFICATION AND DEVELOPMENT OF THE FOCUS / TRACKING SERVO AND HIGH FREQUENCY SWITCHING POWER SUPPLIES & AMPLIFIERS FOR DISK DRIVES.

### HOSPITAL AFFILIATION

St. Joseph Hospital

2005 to Present

Orange, CA

STAFF - OPHTHALMOLOGY

St. Mary Medical Center

8/1998 to Present

Long Beach, CA 90813

STAFF - OPHTHALMOLOGY

### EDUCATION/ TRAINING

Shiley Eye Center

7/1997 to 6/1998

**University of California San Diego** 

La Jolla, CA 92037

FELLOWSHIP IN CORNEA AND REFRACTIVE SURGERY.

Scheie Eye Institute

7/1994 to 6/1997

University of Pennsylvania

Philadelphia, PA 19104

RESIDENCY IN OPHTHALMOLOGY.

St. Mary Medical Center 7/1993 to 6/1994

**UCLA School of Medicine** 

Long Beach, CA 90813

INTERNSHIP IN INTERNAL MEDICINE

USC School of Medicine 8/1989 to 6/1993

Los Angeles, CA 90033

DOCTOR OF MEDICINE 6/1993

University of Arizona Tucson. AZ 85721

8/1986 to 12/1987

**Stanford University** 

Stanford, CA 94305

6/1984 to 12/1985

GRADUATE STUDIES IN ELECTRICAL & BIOMEDICAL ENGINEERING

### California State Polytechnic University

8/1980 to 3/1984

Pomona, CA 91768

BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING - MAGNA CUM LAUDE

### RESEARCH / PUBLICATIONS / LECTURES

- WHITMANJ, DOUGHERTY PJ, PARKHURST GD, OLKOWSKI J, SLADE SG, HOVANESIAN J, CHU R, DISHLER J, **TRAN DB, ET AL**. <u>TREATMENT OF PRESBYOPIA IN EMMETROPES USING A SHAPE-CHANGING CORNEAL INLAY: ONE-YEAR CLINICAL OUTCOMES</u>. OPHTHALMOLOGY. 2016 MAR;123(3):466-75. DOI:10.1016/J.OPHTHA.2015.11.011. EPUB 2016 JAN 27
- IANCHULEV T, HOFFER KJ, YOO SH, CHANG DF, BREEN M, PADRICK T, **TRAN DB**.

  INTRAOPERATIVE REFRACTIVE BIOMETRY FOR PREDICTING INTRAOCULAR LENS

  POWER CALCULATION AFTER PRIOR MYOPIC REFRACTIVE SURGERY.

  OPHTHALMOLOGY. 2014 JAN;121(1):56-60. DOI:10.1016/J.OPHTHA.2013.08.041.

  EPUB 2013 OCT 30.
- TRAN DB, BINDER PS, BRAME CL. <u>LASIK FLAP REVISION USING THE INTRALASE</u> <u>FEMTOSECOND LASER</u>. INT OPHTHALMOL CLIN. 2008 WINTER;48(1):51-63.
- SARAYBA MA, IGNACIO TS, BINDER PS, **TRAN DB**. <u>COMPARATIVE STUDY OF STROMAL BED QUALITY BY USING MECHANICAL, INTRALASE FEMTOSECOND LASER 15- AND 30-KHZ MICROKERATOMES</u>. CORNEA. 2007 MAY;26(4):446-51.
- TRAN DB, SHAH V. HIGHER ORDER ABERRATIONS COMPARISON IN FELLOW EYES

  FOLLOWING INTRALASE LASIK WITH WAVELIGHT ALLEGRETTO AND CUSTOMCORNEA
  LADARVISION4000 SYSTEMS. J REFRACT SURG. 2006 Nov;22(9):S961-4.
- TRAN DB, SARAYBA MA, BOR Z, GARUFIS C, DUH YJ, SOLTES CR, JUHASZ T, KURTZ RM. RANDOMIZED PROSPECTIVE CLINICAL STUDY COMPARING INDUCED

  ABERRATIONS WITH INTRALASE AND HANSATOME FLAP CREATION IN FELLOW EYES:
  POTENTIAL IMPACT ON WAVEFRONT-GUIDED LASER IN SITU KERATOMILEUSIS.
  J CATARACT REFRACT SURG. 2005 JAN;31(1):97-105.
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- TRAN DB. THE USE OF INTRAOPERATIVE ABERROMETRY IN POST LASIK EYES. POSTER PRESENTATION AT ASCRS CONFERENCE, BOSTON, MA APRIL 2010.
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- TRAN DB. CLINICAL RESULTS OF LASIK RE-TREATMENTS UTILIZING A FEMTOSECOND LASER. PAPER PRESENTATION AT THE AMERICAN ACADEMY OF OPHTHALMOLOGY (AAO) MEETING NOV 2007, NEW ORLEANS, LA.
- TRAN DB. FLAP TEAR DURING INTRALASE FLAP LIFTING CLINICAL PEARLS. INVITED PAPER PRESENTATION. SUMMER 2007 ASCRS REFRACTIVE SURGERY MEETING, FOUR SEASON AVIARA, SAN DIEGO, CA.
- TRAN DB. THE ROLES OF INTRALASE FEMTOSECOND LASER IN LASIK RETREATMENT: A

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- TRAN DB. CORRELATION OF SUBJECTIVE AND OBJECTIVE NIGHT VISION SYMPTOMS FOLLOWING LASIK. PAPER PRESENTATION ASCRS 2007, SAN DIEGO, CA
- TRAN DB. WAFRONT GUIDED VS. WAVEFRONT OPTIMIZED LASIK: CONTRALATERAL EYE STUDY. PAPER PRESENTATION AT ISRS/AAO 2006, LAS VEGAS, NV
- TRAN DB. SURGICAL TECHNIQUES TO ACQUIRE TRACKING WITH INTRALASE AND LADARVISION: INCIDENCE OF TRACKING FAILURES IN DARK IRIDES. PAPER PRESENTATION AT ASCRS 2006, SAN FRANCISCO, CA
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- SUJATA S. PUROHIT, MD; RAYMUND T. ANGELES, MD; ALAN R. WESTEREN, MD; JAY MCDONALD, MD; **DANIEL B. TRAN, MD**; TOM CLINCH, MD; AND DAVID J. SCHANZLIN, MD. CHAPTER 16: "ANGLE-SUPPORTED PHAKIC INTRAOCULAR LENSES: THE PHAKIC 6H2." **PHAKIC INTRAOCULAR LENSES; PRINCIPLES AND PRACTICE**. 2004, SLACK, INC. DAVID R. HARDTEN, MD, FACS, RICHARD L. LINSTROM, MD, ELIZABETH A DAVIS, MD.
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- TRAN DB, SARAYBA MA. <u>HIGHER ORDER ABERRATIONS AFTER PHAKIC 6H2 IN HIGH MYOPIA</u>. PAPER PRESENTED AT ASCRS 2003, SAN FRANCISCO, CA
- TRAN DB, SARAYBA MA, GARUFIS C, KURTZ RM. WAVEFRONT CHARACTERISTICS

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- SARAYBA MA, KURTZ RM, TRAN DB. CORNEAL TISSUE PLANE SEPARATION REQUIRED FOR RECUTTING FLAPS USING INTRALASETM FEMTOSECOND LASER. PAPER PRESENTED AT ISRS 2002, ORLANDO, FL. BEST PAPER OF SESSION.
- TRAN DB, SARAYBA MA, KURTZ RM. THE SAFETY AND PRECISION OF LASIK FLAP

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- IBRAHIM A, **TRAN DB**, PARIKH M, SCHANZLIN DJ. <u>THE SAFETY AND EFFICACY OF INTRASTROMAL CORNEAL RING SEGMENTS (INTACS<sup>TM</sup>) CHANNELING IN LOW MYOPIA USING INTRALASETM FEMTOSECOND LASER</u>. POSTER PRESENTED AT ISRS 2002, ORLANDO, FL.
- TRAN DB, SARAYBA MA. <u>INTRASTROMAL CORNEAL RING SEGMENTS COMBINED WITH INTRALASIK<sup>TM</sup> FOR THE TREATMENT OF MODERATE TO HIGH MYOPIC ASTIGMATISM. POSTER PRESENTED AT ISRS 2002, ORLANDO, FL.</u>
- TRAN DB, KURTZ R. INTRALASE<sup>TM</sup> FEMTOSECOND LASER FOR INTACS IN KERATOCONUS.

  PAPER PRESENTED AT ASCRS 2002, PHILADELPHIA, PA. BEST PAPER OF SESSION.

- TRAN DB. <u>Single segment Intacs<sup>TM</sup> in Keratoconus</u>. Paper presented at ASCRS 2002, Philadelphia, PA.
- TRAN DB. INTRALASE<sup>TM</sup> FEMTOSECOND LASER FOR THE INTRASTROMAL CORNEAL RING CHANNEL. OPHTHALMOLOGY TIMES, JUNE 2002.
- TRAN DB. SINGLE SEGMENT INTACS FOR KERATOCONUS. OCULAR SURGERY NEWS, JUNE 15, 2002.
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- TRAN DB. TRANSEPITHELIAL PRK OF BUTTONHOLE LASIK FLAPS. INVITED LECTURE ISRS FALL 2001, New Orleans.
- TRAN DB, SOLTES CR. INTACS<sup>TM</sup>: REFRACTIVE SURGICAL APPROACH AND COMPLICATIONS. INVITED LECTURE PRESENTATION TO OPTOMETRISTS FOR CE CREDITS AT SOUTHERN CALIFORNIA COLLEGE OF OPTOMETRY, 2000.
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  1 YEAR FOLLOW UP. PAPER PRESENTATION AT ASCRS, SAN DIEGO 5/2001.
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- TRAN DB, KORN T. MANAGEMENT OF TRAUMATIC LASIK FLAP DISLOCATION. FILM FESTIVAL PRESENTATION ASCRS SAN DIEGO, CA 5/2001.
- TRAN DB. <u>VISUAL OUTCOME OF LASIK AFTER INTACS<sup>TM</sup> REMOVAL, 1 YEAR FOLLOW UP.</u> PAPER PRESENTATION AT ISRS MEETING, DALLAS, TX 10/2000.
- TRAN, D.B., SCHANZLIN D.J. <u>CORNEAL AND CONJUNCTIVAL CALCIFICATIONS</u>. CURRENT OCULAR THERAPY 5<sup>TH</sup> EDITION (1998).
- TRAN, D.B., SCHANZLIN D.J. <u>MANAGEMENT OF CATARACT INDUCED BY PHAKIC IOL FOR</u>
  HIGH MYOPIA. FILM FESTIVAL PRESENTATION ASCRS 4/1998.
- TRAN, D.B., ET AL. <u>Intraocular Pressure Measurement in Patients with</u>
  <u>Intrastromal Corneal Ring Segments</u>. Poster presentation ARVO 5/1998.
- ZADOK, D, TRAN, D.B., ET AL. <u>PNEUMOTONOMETER VERSUS GOLDMANN TONOMETER</u>
  <u>FOR INTRAOCULAR PRESSURE EVALUATION AFTER LASER IN SITU KERATOMILEUSIS</u>.
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- TRAN, D.B., SCHANZLIN, D.J. <u>POST-OPERATIVE SURGICAL COMPLICATIONS OF RADIAL KERATOTOMY (RK)</u>, <u>PHOTOREFRACTIVE KERATECTOMY (PRK)</u>, <u>AND LASER-IN-SITU KERATOMILEUSIS (LASIK)</u>. CONSULTATION REPORT TO KERAVISION, INC. (1998).
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- TRAN, D.B., BRUCKER, A. <u>Presumed ocular tuberculosis</u>. Fluorescein conference case presentation at the American Academy of Ophthalmology, Atlanta, Georgia 10/1995:
- SILVERMAN SE, TRAN DB, ZIMMERMAN KM, FELDON SE. <u>Dissociation between the detection and perception of motion in Alzheimer's disease</u>. Paper Presentation ARVO 5/1993
- TRAN DB, SILVERMAN SE, ZIMMERMAN K, FELDON SE. <u>AGE-RELATED DETERIORATION OF MOTION PERCEPTION AND DETECTION</u>. POSTER PRESENTATION ARVO 5/1993.

### CLINICAL INVESTIGATOR & CONSULTATION

- AUGUST 2015 PRESENT: PRINCIPAL CLINICAL INVESTIGATOR FOR PHASE III US FDA CLINICAL TRIAL. REFOCUS GROUP, INC, DALLAS, TX. PERFORM SURGICAL IMPLANT OF VISABILITY STUDY AS PART OF THE US FDA CLINICAL TRIAL ON THE PRODUCT.
- OCTOBER 2015 PRESENT: PRINCIPAL CLINICAL INVESTIGATOR FOR US FDA CLINICAL TRIAL. ABBOTT MEDICAL OPTICS, SANTA ANA, CA. PERFORM SURGICAL IMPLANT OF THE AMO TORIC IOL AS PART OF THE DENALI US FDA CLINICAL STUDY ON THE PRODUCT.
- JAN 2014 PRESENT: PRINCIPAL CLINICAL INVESTIGATOR FOR PHASE III US FDA CLINICAL TRIAL AND CONSULTANT. IVANTIS INC., IRIVINE, CA. PERFORM SURGICAL IMPLANT OF THE HYDRUS 4 MICRO-STENT AS PART OF THE US FDA CLINICAL TRIAL ON THE PRODUCT. PROVIDING ADVISORY CAPACITY IN PATIENT RECRUITMENT AND INTERNATIONAL STUDY PROTOCOL IMPLEMENTATION.
- SEPT 2007 PRESENT: CONSULTANT & MEDICAL ADVISORY & PRINCIPAL CLINICAL INVESTIGATOR FOR PHASE II & III US FDA CLINICAL TRIAL. REVISION OPTICS, LAKE FORREST, CA. ASSISTING IN THE DEVELOPMENT OF CORNEAL IMPLANT FOR PRESBYOPIC CORRECTION. PERFORM SURGICAL IMPLANT OF THE CORNEAL INLAY AS PART OF THE US FDA CLINICAL TRIAL ON THE PRODUCT. PERFORMING INTERNATIONAL CLINICAL STUDY ON THE RAINDROP™ INLAY.
- JULY 2012 PRESENT: PRINCIPAL CLINICAL INVESTIGATOR FOR PHASE III US FDA CLINICAL TRIAL. TRANSCEND MEDICAL, MENLO PARK, CA. PERFORM SURGICAL IMPLANT OF THE CYPASS MICRO-STENT AS PART OF THE US FDA CLINICAL TRIAL ON THE PRODUCT.
- 2009 PRESENT: CONSULTANT & CLINICAL INVESTIGATOR & SPEAKER. ALCON LENSX, ALISO VIEJO, CA. ASSIST IN THE DEVELOPMENT OF THE LENSX FEMTOSECOND LASER FOR CATARACT SURGERY. PERFORM THE FIRST LENSX FEMTOSECOND CATARACT SURGERY IN CALIFORNIA. PERFORM ADDITIONAL CLINICAL STUDIES FOR POST FDA CLEARANCE OF THE DEVICE INCLUDING NEW AND IMPROVED SOFTWARE AND HARDWARE UPDATES. LECTURE ON NEW SURGICAL TECHNIQUES, SURGICAL OUTCOMES AND DEVICE IMPROVEMENTS AT LOCAL, NATIONAL AND INTERNATIONAL CONFERENCES.
- 2008 PRESENT: CONSULTANT & MEDICAL ADVISORY BOARD & SPEAKER. WAVETEC VISION, ALISO VIEJO, CA. ASSIST IN THE DEVELOPMENT AND CLINICAL IMPROVEMENT OF THE ORA™ INTRAOPERATIVE WAVEFRONT SYSTEM. PERFORM THE FIRST INTRAOPERATIVE WAVEFRONT ABERROMETRY CATARACT PROCEDURE IN ORANGE COUNTY, CA. LECTURE ON SURGICAL TECHNIQUES AND REFRACTIVE OUTCOMES AT LOCAL, NATIONAL AND INTERNATIONAL CONFERENCES.
- SEPT 2007 2010: CONSULTANT AND SPEAKER. INSPIRE PHARMACEUTICALS, INC. ASSIST IN LOCAL AND NATIONAL SPEAKING EVENTS FOR THE COMPANY PRODUCTS.

- Nov 2001 2009: Consultant and Speaker. AMO-Intralase, Inc. Assist in post approval studies and speaking events at national ophthalmological meetings.
- 2006 PRESENT: CONSULTANT AND SPEAKER. ALLERGAN, INC. ASSIST IN LOCAL AND NATIONAL SPEAKING EVENTS FOR THE COMPANY PRODUCTS.
- NOVEMBER 2003: REFRACTIVE SURGERY SUB-SPECIALTY MEETING, AMERICAN ACADEMY OF OPHTHALMOLOGY, ANAHEIM CA. MODERATOR, KERATOMES AND ALTERNATIVE TECHNOLOGY
- APRIL 2003: ASCRS SAN FRANCISCO, CA. WAVEFRONT, SESSION PANELIST
- JUN 2002: ASCRS PHILADELPHIA, PA. PUPILS, GLARES SESSION PANELIST.
- NOV 2001 2003: CONSULTANT. FEMTOSECOND LASER ANTERIOR LAMELLAR KERATOPLASTY. SBIR PHASE I GRANT, NATIONAL EYE INSTITUTE. RONALD M. KURTZ, PRINCIPLE INVESTIGATOR, INTRALASE CORP.
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- Nov 2002 2006: Consultant. Physical Optics Corp., Torrance, CA. Liquid Crystal adaptive spectacles. SBIR Phase I Grant, National Eye Institute. Application in Progress with Pending approval. Alex Naumov, Principle Investigator, Physical Optics Corp.
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- OCTOBER 2001 2008: CLINICAL INVESTIGATOR FOR PHAKIC IOL STUDY. A CLINICAL INVESTIGATOR FOR PHAKIC 6 IOL FDA STUDY PHASE II SPONSORED BY OPHTHALMIC INNOVATION INTERNATIONAL, INC.
- 1999-2000: CLINICAL CO-INVESTIGATOR FOR INTACS<sup>™</sup> STUDY. A CO-INVESTIGATOR FOR INTACS<sup>™</sup> EXPANDED PHASE IIIB FDA STUDY SPONSORED BY KERAVISION, INC.

### HONORS & SURGICAL ACCOMPLISHMENTS

- 1982: TAU BETA PI NATIONAL ENGINEERING HONORS SOCIETY
- 1983: PHI KAPPA PHI HONORS SOCIETY
- 1984: MAGNA CUM LAUDE AT GRADUATION IN ELECTRICAL ENGINEERING
- 1992: HONORS CLERKSHIPS: MEDICINE, OPHTHALMOLOGY
- 2001: Perform the first surgical procedure in the U.S. utilizing femtosecond laser Intralase to create corneal channel for placement of Intacs to treat Myopia and Keratoconus now is commonly used for keratonus Intacs implants
- 2001: Utilizing the first commercially available Intralase femtosecond laser to perform LASIK in the U.S. Now is commonly done with LASIK

- 2008: FIRST SURGEON IN ORANGE COUNTY PERFORMING INTRAOPERATIVE ABERROMETRY (ORATM) FOR REFRACTIVE CATARACT SURGERY. Now is COMMONLY USED IN ADVANCE REFRACTIVE CATARACT SURGERY IN THE U.S.
- 2009: AMERICAN ACADEMY OF OPHTHALMOLOGY ACHIEVEMENT AWARD
- 2011: FIRST SURGEON IN CALIFORNIA PERFORMING FEMTOSECOND LASER ASSIST CATARACT SURGERY. NOW BECOMING MORE COMMONLY USED IN ADVANCE REFRACTIVE CATARACT SURGERY IN THE WORLD.

### REFERENCES

--- REFERENCES AVAILABLE UPON REQUEST---