

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 Application
 Open to all Optometrists?
 ☑ Yes
 ☑ No
 Maintain Record Agreement? ☑ Yes
 ☑ No

Correct Application Fee

☑ Detailed Course Summary

Detailed Course Outline

PowerPoint and/or other Presentation Materials Explanation letter attached

□Advertising (optional)

CV for EACH Course Instructor

☑License Verification for Each Course Instructor Disciplinary History? □Yes ☑No

BUSINESS. CONSUMER SERVICES. AND HOUSING AGENCY Receipt # Payor ID Beneficiary ID Amount Image: Consumer services. And Housing Agency Imagency Imagency <td< th=""><th>D G. BROWN JR.</th></td<>	D G. BROWN JR.							
OPTOMETRY 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 APPLICATION \$50 Mandatory Fee Pursuant to California Code of Regulations (CCR) § 1536, the Board will approve continuing education (C	D G. BROWN JR.							
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receiving the applicable fee, the requested information below and it has been determined that the course specified in CCR § 1536(g).	E) courses after meets criteria							
In addition to the information requested below, please attach a copy of the course schedule, a detailed conpresentation materials (e.g., PowerPoint presentation). Applications must be submitted 45 days prior to the presentation date.	urse outline and ne course							
Please type or print clearly. Course Title Course Title Course Presentation Date								
Treatment For Macular Degeneration 05/07/2017								
Course Provider Contact Information								
Provider Name								
keith Liang, mD	·							
(First) (Last) (Middle)								
Provider Mailing Address								
Street 3160 J St. City Sacramento State CA Zip 95516								
Provider Email Address Gpineda @ llangvision.com								
Will the proposed course be open to all California licensed optometrists?	`ZYES □NO							
from the date of course presentation?	XYES □NO							
Course Instructor Information Please provide the information below and attach the curriculum vitae for <u>each</u> instructor or lecturer involve If there are more instructors in the course, please provide the requested information on a separate sheet of	ed in the course. of paper.							
Instructor Name								
Keith Llang								
	e)							
(First) (Last) (Middle	License Type							
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License Number G 69355 License Type medical Phone Number (916) 446.2020 Email Address spineda @ liangvi								
License Number G 69355 License Type medical Phone Number (91b) 446.2020 Email Address <u>Spineda</u> @ 119ngVI Ideclare under penalty of begivery under the laws of the State of California that all the information s								
License Number G 69355 License Type medical Phone Number (916) 446.20 20 Email Address Spineda @ 119ng VI I declare under penalty of perjury under the laws of the State of California that all the information s this form and on any accompanying attachments submitted is true and correct.								
License Number G 69355 License Type medical Phone Number (916) 446.2020 Email Address spineda @ 119ng VI I declare under penalty of besiury under the laws of the State of California that all the information s								

				FOR	BOARD ONLY	USE
Course Title	Date(s) of Course	Instructor(s)/Lecturer(s)	CE Hours Requested	Approved	Disapproved	ID #
Toric IOL's	01/18/2017	KEITH LIANG, MD	2			
Corneal Cross-Linking	03/15/2017	KEITH LIANG, MD	2			
Review of Eye Drops: Prostaglandins	05/17/2017	KEITH LIANG, MD	2			
Aspheric vs. Non-Aspheric: Night Time Vision	07/19/2017	KEITH LIANG, MD	2			
Tecnis, Symphony & Crystalens AO	09/13/2017	KEITH LIANG, MD	2			
Wavefront Technology: Topography Guided Laser	11/15/2017	KEITH LIANG, MD	2			
Treatments for Macular Degeneration	05/07/2017	KEITH LIANG, MD	2			
Glaucoma: Decisions & Choices	05/07/2017	KEITH LIANG, MD	2			
Ocular Hypertension	11/12/2017	KEITH LIANG, MD	2			
Optical Coherence Tomography of Macula & Optic	11/12/2017	KEITH LIANG, MD	2			
COMMITTEE COMMENTS:	1					



February 23, 2017

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

Dear Boards of Optometry,

Thank you for considering my request for CE approval. I was recently informed by Kristina Eklund that I need to provide a letter to explain why I am not able to provide presentation materials for the scheduled events in 2017. I feel that providing current information to our network of optometrist is very important. I gather presentation information from a variety of information sources- mainly current ophthalmic studies (articles) and ophthalmic meetings that I attend periodically through the year. The Power Point presentations are created from information gathered from ASCRS held in May and AAO conferences held in November; this ensures that the information provided is not only current, but the newest technology that we can offer in the United States.

I have prided myself in the ability to deliver quality information to my optometric network and I have been working with the Board of Optometry for many years to provide CE's. I ask that you strongly consider issuing Continuing Education credits for 2017 as I have many Optometrists who depend on what is offered at my office.

Thank you so much for your consideration.

Sincerely

Keith Liang, MD Ophthalmologist



(916) 446-2020 • Fax: (916) 446-3128 3160 J Street • Sacramento • CA • 95816-4403

COURSE SUBJECT MATTER

Event Date: May 7, 2017

Treatments for Macular Degeneration

Instructor: Keith Liang, MD

Review the clinical indications to treat with IVI Avastin. What are the criteria to treat classic SRNV vs. non-classic SRNV? Data review of clinical outcomes with multiple injections and long term follow will be reviewed. Current treatment modalities of PDT, IVI and Focal Argon or Krypton lasers will be discussed. The goals are to provide the optometrist with the latest evidenced based treatment for Macular Degeneration.

Glaucoma : Decisions and Choices

Instructor: Keith Liang, MD

Decision making process of primary drop selection assessment of treatment. What is adequate treatment versus not adequate treatments. What are possible alternative second line drugs or laser treatments.

Event Date: November 12, 2017

Ocular Hypertension

Instructor: Keith Liang, MD

The OHTN and AGS studies will be reviewed to help clarify when the best time to treat ocular hypertensive patients is. This difficult area of treatment has created numerous medical and ethical discussions. The goal will be to clarify the topic on order for optometrist to gain insight into this area.

Optical Coherence Tomography of the macula and optic nerve

Instructor: Keith Liang, MD

This technology aids in the diagnosis and treatment of retinal macular edema. It can assess the progress of treatments such as intravitreal injections and laser therapy. This tool can also assess the progress of the optic nerve and glaucoma. It has changed the practice of retinal and glaucoma management. The principle of how to read a basic scan will be reviewed.

OUTLINE

Treatments for Macular Degeneration: Keith Liang, MD

- Macular degeneration is a deterioration or breakdown of the macula. The macula is a small area in the retina at the back of the eye that allows you to see fine details clearly and perform activities such as reading and driving. Macular degeneration is the leading cause of severe vision loss in Caucasians over 65.
 - a. Macular degeneration is a deterioration or breakdown of the macula. The macula is a small area in the retina at the back of the eye that allows you to see fine details clearly and perform activities such as reading and driving.
 - i. Approximately 90% of patients have the Dry form which progresses slowly. Vitamins may slow the progression in 20-25% of patients.
 - ii. The Wet form occurs in approximately 10% of patients and can cause bleeding and sudden loss of vision.
 - b. Macular degeneration can cause different symptoms in different people. The condition may be hardly noticeable in its early stages. Sometimes only one eye loses vision while the other eye continues to see well for many years.
 - i. Some common ways vision loss is detected
 - 1. words on a page look blurred
 - 2. a dark or empty area appears in the center of vision
 - 3. Straight lines look distorted.

KEITH LIANG M.D.

CORNEAL, CATARACT, GLAUCOMA AND REFRACTIVE SURGEON 3160 J STREET SACRAMENTO, CA 95816–4403 (916) 446–2020 kliang@liangvision.com

PRIVATE PRACTICE

CENTER FOR SIGHT CLINIC AND LASER CENTER 1995 – Present

SACRAMENTO EYE SURGICENTER

Medical Director 1999 – Present 3150 J Street Sacramento, CA 95816

EDUCATION

CHIEF RESIDENCY

RESIDENCY

INTENRSHIP

MEDICAL SCHOOL

UNDERGRADUATE

LSU – Lions Eye Center 1993 – 1994 Cornea and Refractive Surgery New Orleans, Louisiana

Louisiana State Univ. Medical Center 1990 – 1994 New Orleans, Louisiana

University of Southern California-Los Angeles County Medical Center 1989 – 1990 Los Angeles, California

University of Southern California-Keck School of Medicine 1985 – 1989 Los Angeles, California

University of California at Los Angeles 1982 – 1985 Los Angeles, California

MEMBERSHIPS

American Academy of Ophthalmology American Board of Ophthalmology American Society of Cataract and Refractive Surgery International Society of Refractive Surgery New Orleans Academy of Ophthalmology Association for Research in Vision and Ophthalmology

PAPERS

"Introduction to the 13th NIDEK International Refractive Symposium: Cyberspace" Journal of Refractive Surgery, Volume 25, January (Suppl) 2009

"Vision Quest" – By Reed Parsell/photography by 521Productions.com Sacramento Magazine, 174, 176–177, September 2007

"New NSAID Speeds Resolution of Corneal Ulcer" Ophthalmology Management 49–50, January 2006

"Acrysof Restor IOL Presbyopic lens removal and exchange" Cataract & Refractive Surgery Today Volume 6, No. 4: 66–69, April 2006

"Wavefront–Adjusted Treatments on the Nidek EC–5000" Cataract & Refractive Surgery Today 82–84, August 2004

"Cohesive viscoelastic offers predictable protection – Surgeon depends on high-viscosity agent for 95% of cataract cases" – By Lynda Charters, Reviewed by Keith Liang, M.D. Ophthalmology Times 34, February 15, 2003

"A Comparison of the Nidek EC-5000, Visx S2 and Summit Apex Lasers" Review of Ophthalmology Part 3 of 3: 6–7, July 2001

"Fungal Keratitis from Nylon Lawn Trimmers" American Journal of Ophthalmology 114:437–440, October 1992

"Browns Superior Oblique Tendon syndrome After Baerveldt Implant" Archives of Ophthalmology 110:1368, 1992

CLINICAL TRIALS

<u>CRS – NIDEK</u> Clinical treatment of Astigmatism IDE 1999 – 2000 <u>CLARITY Holos</u>-On going study to develop intraoperative aberrometry for Cataract Surgery.

<u>ACOES Cross linking investigation-</u> evaluate efficacy of cornea collagen crosslinking in Keratoconus and Ectasia eyes

<u>CRS/ISRS – LASIK Clinical investigation:</u> Evaluate the efficacy of LASIK and submit data to FDA Device Committee 1996 – 1998

<u>CRS/ISRS – VISX</u> Clinical treatment of Astigmatism and high myopia IDE 1996 – 1997

<u>NIDEK PRK Study Site</u> – worked under supervision of Marguerite McDonald M.D. in New Orleans, LA – 1994

<u>AUTONOMOUS</u> – Preliminary monkey treatments at Tulane vivarium under the direction of Marguerite McDonald M.D. – 1994

PRESENTATIONS

AAO Intraoperative Aberrometry –HOLOS for refractive cataract surgery. IOL Predictor 2016

ASCRS Intraoperative Aberrometry –HOLOS for refractive cataract surgery 2015

ASCRS- Topography guided laser- How to use the CATZ and OATZ software to achieve optimal results- NIDEK 2014

AAO – Laser assisted Cataract Surgery- Femto LRI incisions with Lensar laser 2013

OPTOMETRIC – Semi-annual half-day lectures to local Optometrists regarding various topics in Ophthalmology – 1995 – 2009 – Sacramento, CA

OPTOMETRIC – Bi-monthly dinner lectures to local Optometrists regarding various topics in Ophthalmology – 1995 – 2009 – Sacramento, CA

CRS – How to remove a multifocal lens – December, 2007 – Las Vegas, NV

ASCRS – Akahoshi technique with the millennium system. Bausch & Lomb – 2005 Washington, D.C.

ASCRS – Nidek wavefront adjusted myopic treatments utilizing 6.5/7.5 zones compared to non–wavefront treatments – 2004 San Diego, CA

ASCRS – Combination Akahoshi pre-chop and flip technique for cataract surgery – 2001

ASCRS – LASIK Video Grand Rounds: Complications and Managementpanel member – 1999 – 2001

AAO – LASIK Video Grand Rounds: Complications and Managementpanel member – 1999 – 2001

ASCRS – Comparison of NIDEK, VISX and Summit Lasers for the LASIK treatment of myopic astigmatism – 2000

ASCRS – Initial clinical pearls for the insertion of Starr Posterior ICL – a beginning surgeon's experience – 2000

ASCRS – Results of Mobile VISX Laser in the LASIK treatment of myopic astigmatism – 1999

FDA DEVICE PANEL – Gaithersburg, Maryland - presented LASIK data for FDA approval of LASIK procedure – 1998

LSU- New Orleans Academy- Pigmentary Dispersion Glaucoma- Laser Peripheral Iridectomy- clinical trial of P.I. in myopic patients with posterior bowing of iris plane 1992

ARVO- Flourescein angiographic Histopathological Correlation of Dihematoporphyrin/Argon Laser Treated Vascualture & Subretina Neovasculariztion 1988

CERTIFICATION

2016- ALLEGRETTO WAVE EYE-Q 400HZ
2015 – HOLOS ABERROMETRY FOR CATARACT SURGERY
2014- ZIEMER S FEMTO LDV CRYSTALLINE-BLADE FREE
2013 – Glaucoma- ISTENT IMPLANT
2012 – LENSAR FEMTOSECOND LASER
2008 – Glaucoma – TRABECUTOME SURGERY
2007 – STAAR INTRAOCULAR CONTACT LENS
2007 – MULTIFOCAL REZOOM LENS
2006 – MULTIFOCAL RESTORE LENS
2006 – VERISYSE INTRAOCULAR CONTACT LENS
2005 – Glaucoma – SELECTIVE LASER TRABECULOPLASY
2004 – ALLEGRETTO EXCIMER LASER SYSTEM
2004 – CRYSTALENS

2000 – LADAR VISION EXCIMER LASER SYSTEM 1999 – NIDEK EXCIMER LASER SYSTEM 1996 – VISX EXCIMER LASER SYSTEM 1995 – SUMMIT EXCIMER LASER SYSTEM

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