

MEMBERS OF THE BOARD

Mark Morodomi, President
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Rachel Michelin
Maria Salazar Sperber
David Turetsky, OD
Lillian Wang, OD



**PRACTICE AND EDUCATION COMMITTEE
TELECONFERENCE MEETING AGENDA**

**Friday, September 13, 2019
11:30 to 12:30PM
(or until conclusion of business)**

MEMBERS OF THE COMMITTEE

Madhu Chawla, OD, Chair
Martha "Ruby" Garcia, CLD, SLD
Debra McIntyre, OD

Department of Consumer Affairs
2420 Del Paso Road Suite 108
Yosemite Room
Sacramento, CA 95834

(additional public participation site)

Stevenson Ranch Library
25950 The Old Road
Stevenson Ranch, CA 91381

California Eye Professionals
41637 Margarita Road Suite 100
Temecula, CA 92591

Charter College – Oxnard Campus
2000 Outlet Center Drive #101
Oxnard, CA 93036

ORDER OF ITEMS SUBJECT TO CHANGE. ACTION MAY BE TAKEN ON ANY ITEM ON THE AGENDA.

1. Call to Order/Roll Call
2. Public Comment for Items Not on the Agenda
Note: The committee may not discuss or take action on any matter raised during this public comment section, except to decide whether to place the matter on the agenda of a future meeting [Government Code §11125, §11125.7(a)].
3. Discussion and Possible Action on June 14, 2019 Practice and Education Committee Meeting Minutes
4. Discussion and Possible Action on Continuing Education Course Approval Requests Pursuant to Title 16, California Code of Regulations § 1536
 - A. 1. Complications of Intraocular Lenses
2. Meibomian Gland Dysfunction
 - B. Macular Degeneration
 - C. Cornea Update
 - D. Age-Related Macular Degeneration
 - E. Diplopia
 - F. Malignant Glaucoma
 - G. Pigmented Lesions of the Choroid and Retina
 - H. Cataracts
 - I. Dry Eye: More Than Meets the Eye
 - J. Roundtable Discussion of Cataract and Cornea Surgery
 - K. 1. When IOL Goes Wrong

- 2. When Glaucoma is Not the Main Problem
 - 3. Refractive Surgery
 - L. Cataract Co-Management Issues
 - M. 1. Macular Degeneration
 - 2. Evolution of Cataract Surgery
 - N. Artificial Intelligence in the Eye Clinic: Will There Be Room for the Doctor?
 - Resubmitted for different approval dates.**
 - O. Current Trends in Advanced Cataract Surgery
 - P. Retina Update 2019
 - Q. Surgical Myopic Treatment Webinar
 - R. 1. Corneal Specialists: Dry Eye Treatment
 - 2. Scleral Lenses, Prosthetics
 - 3. The Oculoplastic Referral
 - 4. Glaucoma Treatments and OD Management
 - S. 60 Minute Glaucoma Update
 - T. Integrated Care for the Diabetic Patient: How to Diagnose and Manage the At-Risk Patient
 - U. Anterior Segment Grand Rounds
 - V. It's All in the Vitreous
 - W. Dry Eye Center of Excellence, All the Toys and All the Treatments
 - X. A Systemic and Ocular Approach to Uveitis
 - Y. 1. Modern Refractive Surgery: How to Treat Astigmatism
 - 2. Modern Cataract Surgery in the Post-Refractive Patient: How Do We Keep Them Happy?
 - 3. Managing Glaucoma Utilizing MIGS to Lower IOP: Case Presentations
 - 4. F.D.T. – For Diagnosing in Time or For Da Trash?
 - 5. Update: Ocular Complications Associated with Diabetes
5. Review, Discussion and Possible Action on the Topic of Atropine Use for Myopia Control Under the Therapeutic Pharmaceutical Agents (TPA) Umbrella
6. Future Agenda Items
7. Adjournment

The mission of the [California State Board of Optometry](#) is to protect the health and safety of California consumers through licensing, registration, education, and regulation of the practice of Optometry and Opticianry.

Meetings of the California State Board of Optometry and its committees are open to the public except when specifically noticed otherwise in accordance with the Open Meeting Act. Public comments will be taken on agenda items at the time the specific item is raised. Time limitations will be determined by the Chairperson. The Committee may take action on any item listed on the agenda, unless listed as informational only. Agenda items may be taken out of order to accommodate speakers and to maintain a quorum.

NOTICE: *The meeting is accessible to the physically disabled. A person who needs a disability-related accommodation or modification in order to participate in the meeting may make a request by contacting Jessica Swan – Jessica.swan@dca.ca.gov or calling 916-575-7174. Written requests can be mailed to the California State Board of Optometry, 2450 Del Paso Road, Suite 105, Sacramento, CA 95834. Providing your request at least five (5) business days before the meeting will help ensure availability of the requested accommodation.*

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**PRACTICE AND EDUCATION COMMITTEE
DRAFT MEETING MINUTES**

June 14, 2019

Teleconference locations:

**Department of Consumer
Affairs
HQ2 – Pearl Room
1747 North Market Boulevard
Sacramento, CA 95834**

**Stevenson Ranch Library
25950 The Old Road
Stevenson Ranch CA 91381**

**California Eye Professionals
41637 Margarita Rd., Suite 100
Temecula, CA. 92591**

**Moraga Country Club
2nd Floor Cafe
1600 St Andrews Dr.
Moraga, CA 94556**

**Charter College –
Oxnard Campus
2000 Outlet Center
Drive #150
Oxnard, CA 93036**

Link for audio of meeting here:

https://www.optometry.ca.gov/meetings/20190614_pec_audio.mp3

Members Present	Staff Present
Madhu Chawla, OD, Chair	Shara Murphy, Executive Officer
Martha Garcia, CLD, SLD	Evan Gage, Assistant Executive Officer
Debra McIntyre, OD	Arsha Qasmi, Lead Licensing Analyst
Mark Morodomi, JD	Marc Johnson, Policy Analyst
Lillian Wang, OD	Jessica Swan, Administrative Analyst
Member Absent	Guest List
	On File

1. Call to Order/Roll Call/Establishment of a Quorum

Audio of discussion: 00:02 / 44:06

Dr. Chawla called the meeting to order at 10:46 a.m. and roll was taken: Dr. Chawla was present in Stevenson Ranch, CA; Dr. Wang was present in, Moraga, CA; Dr. McIntyre was present in Temecula, CA; Ms. Garcia was present in Oxnard, CA, and Mr. Morodomi was present in Oakland, CA; 5-0 quorum established.

Two public members were present at the Sacramento location. They were Lindsey Gullhorn with 1-800-CONTACTS, and Kristine Shultz with the California Optometric Association (COA). There was no public members at any of the teleconference locations.

2. Public Comment for Items Not on the Agenda

Audio of discussion: 03:16 / 44:06

There was no public comment.

Dr. Chawla announced the passing of Dr. Daniel Kirk who was the first Associate Dean of Academic Affairs at the Western University of Health Sciences in Pomona, California. Dr. Kirk was also a member of faculty at the Leland College of Optometry for 26 years. He was a professor and mentor to both Drs. Chawla and Wang and a great contributor to the profession of optometry.

3. Discussion and Possible Action Regarding Meeting Minutes

a. March 8, 2019

Audio of Discussion: 03:55 / 44:06

No changes were made. There was no public comment.

Madhu Chawla moved to approve the March 8, 2019 Meeting Minutes. Lillian Wang seconded. The Committee voted (4-Ayes; 1-Abstention; 0-No) and the motion passed.

Member	Aye	No	Abstain	Absent	Recusal
Chawla	X				
Garcia	X				
McIntyre	X				
Morodomi			X		
Wang	X				

4. Discussion and Possible Action on Continuing Education Course Approval Requests Pursuant to Title 16, California Code of Regulations § 1536

Audio of Discussion: 04:51 / 44:06

- A.
 - 1. New Smile or Time Proven LASIK: The Continuing Debate
 - 2. Custom Cataract Surgery: Astigmatism Management During Cataract Surgery
 - 3. Custom Cataract Surgery: Improving Your Patient's Visual Outcomes
 - 4. Update of MIGS and Meds
- B. Improving Cataract Surgery
- C. Latest in Glaucoma MIGS and Refractive Surgery
- D.
 - 1. Adult Strabismus: A Brief Overview
 - 2. Retina Emergencies

- E. Cataract Surgery: Patients Selection Pre/Post-Operative Care as Related to Surgical Technique Selection 3D Vision Technology - RESUBMITTAL
- F.
 1. To SMILE or Not to SMILE. That is the Question
 2. Co-Management of Surgical Cases
- G.
 1. The Surgical Day: Live Cataract and Implant Surgery - RESUBMITTAL
 2. The Surgical Day: Current LASIK Techniques and Live LASIK Demonstration – RESUBMITTAL
- H.
 1. Eagle Vision
 2. What's Wrong with These Eyelids
 3. Update on MIGS and Meds
- I.
 1. Layers of the OCT - Gasperini
 2. Secondary IOL - Roizenblatt
 3. Vitreomacular Traction
 4. A Black Hole
 5. Retinal Case Review
- J. A Review of Treatment Options for Posterior Vitreous Detachment
- K.
 1. Cataracts in the Developing World
 2. How Do We Keep Our Patients Happy
 3. Collagen Cross-Linking
 4. Dry Eye and MGD: Our Collaborative Approach
 5. The New iStent Inject and Future Lens Technology
 6. Advances in Diagnosis and Predication of Progression in Glaucoma
 7. New Visual Field Modalities and Early Detection of Glaucoma
- L.
 1. Update on Retinal Effects of Systemic Treatments
 2. Early Detection of Glaucoma Using OCT: Analysis, Interpretation, and More
 3. Analysis of OCT Findings in Macular Diseases
 4. Upper Lid Hooding and Ptosis: Management and When to Refer
 5. Managing Astigmatism During Cataract Surgery
 6. Treatment of Normal Tension Glaucoma
 7. Life Beneath the Scleral
 8. The Best Current Cornea Refractive Clinical Outcomes
 9. Complex Anterior Segment Case Presentations: When Experience Counts
 10. The Wild World of Dr. Agarwal
 11. Fixing the Cornea Front to Back! From Crosslinking to DMAEK
 12. Unlocking the Cases from a Glaucoma Detective
- M. Annual Vitreo-Retinal Update Course – 2019 – Diseases – Diagnosis – Treatment
- N. Artificial Intelligence in the Eye Clinic: Will There Be Room for the Doctor?
- O. Macular Degeneration
- P. Dry Eye
- Q.
 1. Progression on OCTs and HVFs
 2. Lab Testing
 3. Introduction to OCT Angiography
- R. Sudden Loss of Vision
- S. Peripheral Retina
- T.
 1. Recognizing OCT Patterns in Retinal and Neuro-Ophthalmic Disorders
 2. Post-Operative Cataract Evaluations

- U.
 1. Toric IOLs
 2. Corneal Crosslinking
 3. Glaucoma: Decision and Choices
 4. Treatments for Macular Degeneration
 5. Review of Eye Drops: Prostaglandins
 6. Aspheric vs. Spherical
 7. OCT of Macula and Optic Nerve
 8. Monofocal and Multifocal Lenses
 9. Topography Guided
 10. Ocular Hypertension
- V.
 1. The Tearing Patient
 2. Pterygium Optics
 3. Corneal Transplants and Sutured IOLs
 4. Cataract, Cornea and Refractive Surgery
 5. Cataract/RLE Surgery Co-Management
 6. Glaucoma Pt.1
 7. Ocular Issues in Extreme Environments
 8. Glaucoma Pt.2
- W. LLUEI Livestream Grand Rounds
- X.
 1. Cataract, Cornea and Refractive Surgery
 2. Full Service Vision Correction
 3. Glaucoma Key Points
- Y. Clinical Pearls for Successful Management of Corneal Cross-Linking Patients
- Z.
 1. Optic Nerve Assessment in Glaucoma
 2. Scleral GP Contact Lenses 101
 3. Decision-Making and Strategies in Glaucoma
 4. Ocular Foreign Bodies
- AA.
 1. Myopia
 2. Toxic and Traumatic Ocular Injuries
 3. Keratoconus: How to Interpret Pentacam
 4. DR Screening Through Telemedicine
 5. Pedi Eye Care Strabismus and Nerve Palsies
 6. Vascular Intraocular Tumors
- BB.
 1. Approaches to Refractive Laser & Cataract Surgery
 2. Full Service Vision & Case Studies
 3. Glaucoma
- CC. When to Refer to Retina: Update on ARMD
- DD. IStent Inject: MIGS Today
- EE. Retinal Vascular Disease
- FF. OCT Interpretation
- GG. Scleral Fitting Made Easy
- HH. Analyzing Complex Anterior Segment Case Presentations
- II. Lowering IOP's with MIGS
- JJ. Advanced Cataract Surgery
- KK.
 1. All Things Cataract
 2. All Things Refractive
 3. The Surgical Day: Live Refractive Surgery Demonstration
 4. The Surgical Day: Live Cataract and Implant Surgery

Lillian Wang moved to approve all the course topics except for 4.G.1 and 4.G.2 which are approved for one hour each, and 4.W. which has been tabled for further research by staff. Debra McIntyre seconded. The Committee voted

unanimously 5-0 and the motion passed.

Member	Aye	No	Abstain	Absent	Recusal
Chawla	X				
Garcia	X				
McIntyre	X				
Morodomi	X				
Wang	X				

There was no public comment.

5. Discussion on Applicability of Immunization Training Courses as Continuing Education Units for Biannual License Renewal

Audio of discussion: 30:17 / 44:06

Ms. Murphy reported that while working out the regulatory language with the form to be able to implement AB 443, staff had initial conversations with Dr. Chawla about whether the injection courses would apply specifically to ocular disease or the treatment of ocular disease. Staff was not able to ascertain this, but a follow up letter was sent to Marshall B Ketchum University (MBKU) respectfully requesting that they submit materials for review. These materials have not been received by the Board.

Members discussed whether the course should be considered miscellaneous versus ocular. Dr. Wang's concern is regarding how much of the course is therapeutic and how much is miscellaneous. Schools like MBKU monitor and audit their own course topics. MBKU is asking for 20 hours, which is almost half of the renewal requirements for continuing education. The Committee discussed the need for a breakdown to determine how many of those 20 hours are therapeutic hours. Ms. Murphy stated that staff will continue the dialogue with MBKU explaining the concerns; emphasizing respect for their ability to self-audit, while explaining that this is a new procedure for optometrists.

There was no public comment.

6. Future Agenda Items

Audio of discussion: 43:34 / 44:06

There were no future agenda items discussed. There was no public comment.

7. Adjournment

Committee adjourned at 11:30 p.m.

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2450 Del Paso Road, #105
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To the Practice and Education Committee,

July 19, 2019

We represent a group of optometrists and researchers at the University of California Berkeley School of Optometry who are writing to strongly recommend that the California State Board of Optometry classify continuing education lectures on the topic of atropine use for myopia control under the Therapeutic Pharmaceutical Agents (TPA) umbrella.

We believe that the use of atropine qualifies as a pharmaceutical agent used as therapy for an ocular disorder, which includes progressive myopia as well as pathological or degenerative myopia. Myopia is associated with several ocular complications including myopic maculopathy, cataracts, glaucoma, and retinal detachment, all of which can lead to vision loss. By implementing treatment to slow the progression of myopia, we may also prevent a potentially high burden of needing to manage this disease and its sequelae in the future population.

There is a healthy amount of evidence-based literature on the topic of atropine for myopia control, and we have included references to some landmark studies at the end of this letter. In 2017 the American Academy of Ophthalmology published a retrospective literature review and isolated 17 high quality studies showing evidence that supports the use of atropine to prevent the progression of myopia, particularly in low dosage to minimize a rebound effect.

With myopia becoming a global epidemic, we expect that research and lectures in this area will continue to grow in the coming decades. We also anticipate this will affect the way optometrists will prescribe for this condition. Having high quality continuing education to ensure individuals in our profession

are well versed in using a pharmaceutical agent for myopia control is critical, and we recommend such education is properly classified as TPA.

Thank you for your consideration of our request, and please do not hesitate to contact us with any further questions.

Sincerely,

Continuing Education Committee:

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Selected References

- Chia, Audrey, et al. "Atropine for the Treatment of Childhood Myopia: Safety and Efficacy of 0.5%, 0.1%, and 0.01% Doses (Atropine for the Treatment of Myopia 2)." *Ophthalmology*, vol. 119, no. 2, 2012, pp. 347–354., doi:10.1016/j.ophtha.2011.07.031.
- Chia, Audrey, et al. "Five-Year Clinical Trial on Atropine for the Treatment of Myopia 2." *Ophthalmology*, vol. 123, no. 2, 2016, pp. 391–399., doi:10.1016/j.ophtha.2015.07.004.
- Chua, Wei-Han, et al. "Atropine for the Treatment of Childhood Myopia." *Ophthalmology*, U.S. National Library of Medicine, Dec. 2006, www.ncbi.nlm.nih.gov/pubmed/16996612.
- Flitcroft, D.I. "The Complex Interactions of Retinal, Optical and Environmental Factors in Myopia Aetiology." *Progress in Retinal and Eye Research*, vol. 31, no. 6, 2012, pp. 622–660., doi:10.1016/j.preteyeres.2012.06.004.
- Pineles, Stacy L., et al. "Atropine for the Prevention of Myopia Progression in Children: A Report by the American Academy of Ophthalmology." *Ophthalmology*, vol. 124, 2017, pp. 1857-1866., doi:10.1016/j.ophtha.2017.05.032.
- Yam, Jason C., et al. "Low-Concentration Atropine for Myopia Progression (LAMP) Study." *Ophthalmology*, vol. 126, no. 1, 2018, pp. 113–124., doi:10.1016/j.ophtha.2018.05.029.