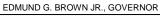


STATE BOARD OF OPTOMETRY

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

Correct Application Fee

☑ Detailed Course Summary

Detailed Course Outline

PowerPoint and/or other Presentation Materials

□Advertising (optional)

 $\ensuremath{\boxdot}\xspace{\mathsf{CV}}$ for EACH Course Instructor

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

| BUSINESS, CONSUMER SERVICES, AND | HOUSING AGENCY | GOVERNOR | EDMUND G. BROWN JR. |
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| OPTOMETRY WOARS' | E O L L S B F 3 101 1 10 L (310) 2 | 575-7292 www.optometry.ca.gov | |
| 2017 ACON | TIMUING EDUCAT | ION COURSE APPROVALan | d Board Use Only |
| \$50 Mandatory Fee | | CATION Receipt # Payor ID | Beneficiary ID Amount |
| Pursuant to California Code of F receiving the applicable fee, the specified in CCR § 1536(g). | Regulations (CCR) § <u>1536</u> , t requested information below | he Board will approve continuing educat w and it has been determined that the co | ion (CE) courses after |
| In addition to the information rec presentation materials (e.g., Por presentation date. Please type or print clearly . | uested below, please attacl werPoint presentation). App | h a copy of the course schedule, a detail plications must be submitted 45 days prio | ed course outline and or to the course |
| Course Title | | Course Presentation Date | |
| Prism Management for He | mianopsias | 05/21/20 | 1 7 |
| | Course Provider | Contact Information | |
| Provider Name | | | |
| John | Lee | | |
| (First) | (| (Last) (Mid | dle) |
| Provider Mailing Address | | | |
| Street 2575 Yorba Linda B | lvr City Fullerton | State <u>CA</u> zip <u>92831</u> | - |
| Provider Email Address ^{jlee@} |)ketchum.edu | | |
| Will the proposed course be o | pen to all California licens | sed optometrists? | YES 🗆 NO |
| | ince as the Board requires | or attending licensee such records , for a period of at least three years | YES 🗆 NO |
| | elow and attach the curricul | ctor Information lum vitae for <u>each</u> instructor or lecturer ir e requested information on a separate s | |
| Valerie | Quan | | |
| (First) | (L | ast) (N | /iddle) |
| License Number 14069 | | License Type Optometrist | |
| Phone Number (909) 469-8 | 754 | Email Address valeriequan@west | ternu.edu |
| I declare under penalty of perj this form and on any accompa | ury under the laws of the sanying attachments submi | | tion submitted on |
| | | 03/30/2017 | |
| Signature of Course Provider | | 1 Date | Form CE-01, Rev. 5/16 |



ASIAN AMERICAN OPTOMETRIC SOCIETY PRESENTS

2016 May Honors Symposium

Sunday, May 21, 2017 FEATURING 5 HOURS OF CONTINUING EDUCATION

Agenda:

| 9:00am – 9:05am | Welcome Andy Kongsakul, O.D. President, AAOS | | | |
|--|---|--|--|--|
| 9:05am – 9:55am (1 Hour CE) | Prism Management for Hemianopsias Valerie Quan, O.D. Western University of Health Sciences | | | |
| 9:55am – 10:20am (25 min) | Break | | | |
| 10:20am – 12:00pm (2 Hours CE) | Disease Masquerading as Visual Dysfunction Requiring Vision Therapy John Tassinari, O.D. Western University of Health Sciences | | | |
| 12:00pm – 1:00pm (1 hour) | Lunch Break – buffet style | | | |
| 1:00pm – 2:40pm (2 Hours CE) | Glaucoma Case Management Decisions George Comer, O.D., M.B.A. Marshall B. Ketchum University | | | |
| Time: 9AM-3 | ay, May 21, 2017 3PM tration starts at 8:30am | | | |
| Where: Dave a Buildi | and Buster's, the Outlets of Orange ng G, 20 City Blvd W #1 je, CA 92868 | | | |
| Free parking is availa | ble. Lunch Buffet will be served | | | |
| | a benefit for our members. Cost is \$100 for non-members. o please sign up <u>soon</u> ! Deadline is May 15, 2017 | | | |

Registration is through www.aaosociety.org

Topic: Prism Management for Hemianopsias

Author:

a e e

Valerie L. Quan, OD, FAAO Associate Professor Western University of Health Sciences, College of Optometry

Abstract:

Visual field loss is a common devastating vision problem resulting from stroke. These patients are at increased risk of injury and harm from bumping into objects, being struck by approaching objects, and falls. This grand rounds presentation will give an overview of prism treatment modalities for visual field expansion and increased visual spatial awareness. Case examples will be included to illustrate the concepts discussed.

Learning Objectives:

Participants will be able to:

- 1. Describe categories of hemifield defects, neglect and extinction.
- 2. Describe the basic protocols to evaluate field loss and neglect.
- 3. Calculate and prescribe yoked prisms.
- 4. Describe the Peli fitting system and Fresnel sector prisms.
- 5. Discuss vision rehabilitation options for ambulation, driving, and ADLs.
- 1. Introduction
 - a. Vision problems from brain injury and stroke
 - i. Etiology of hemianopsias
 - ii. Prognosis
 - iii. Cerebrovasculature system
- 2. Hemianopsia categories
 - a. Categories 1 to 4
 - b. Neglect (Unilateral spatial inattention)
 - c. Extinction versus neglect
- 3. Patient assessment
 - a. Patient complaints
 - b. Safety concerns
 - c. Basic protocol
 - d. Behavioral assessment
- 4. Patient management

- a. Compensatory and adaptive treatment
- b. Prisms
 - i. Yoked prisms
 - ii. Sector prisms
 - iii. Peli prisms
 - iv. Spotting prisms
- 5. Clinical cases to illustrate fitting concepts
 - a. Case 1 (Arteriovenous malformation rupture)
 - b. Case 2 (Right middle cerebral artery territory stroke)

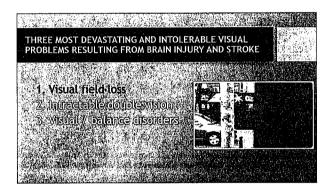
- c. Case 3 (Occipital stroke)
- 6. Visual field testing
 - a. Humphrey 30-2 Sita Std
 - b. Facial Amsler
 - c. SSA Kinetic
- 7. Charles Bonnet Symdrome and hemianopsias
- 8. Summary/Conclusion

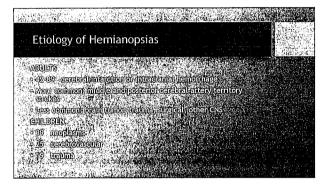
Prism Management for Homonymous Hemianopias

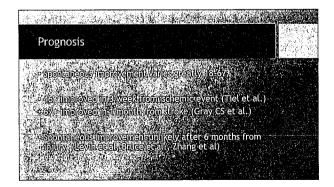
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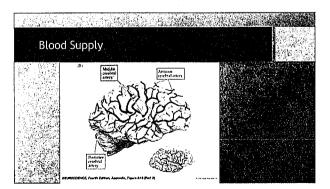


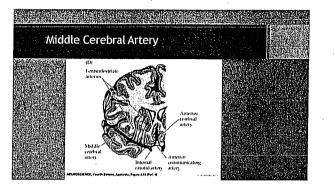
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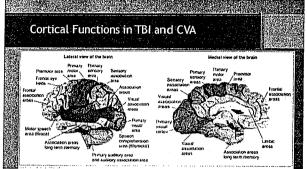


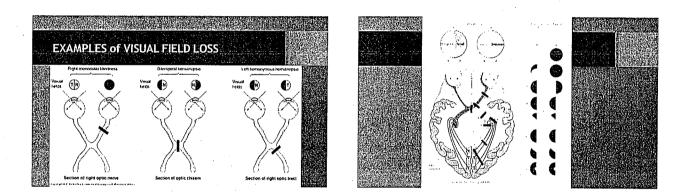


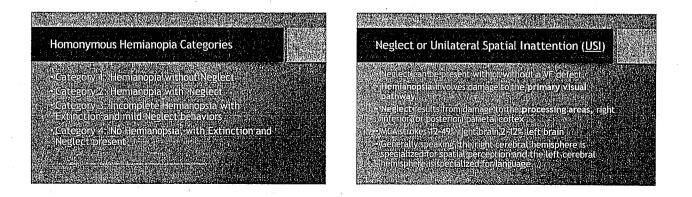


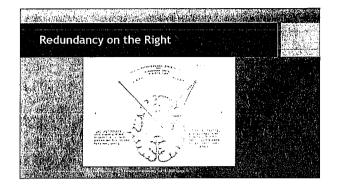




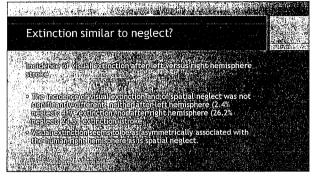


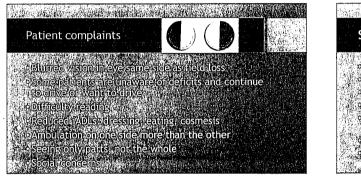


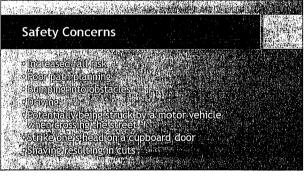


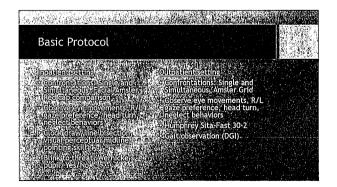


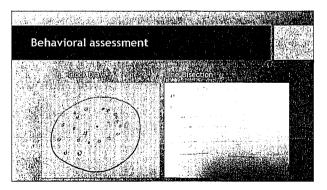
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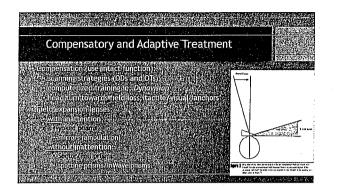




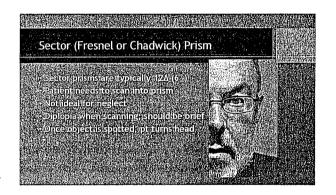


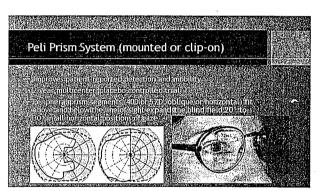


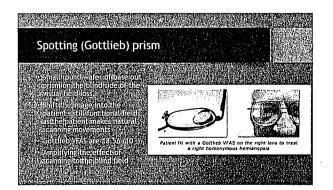


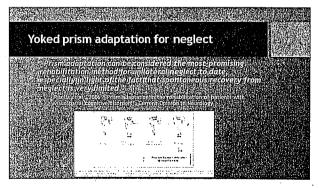


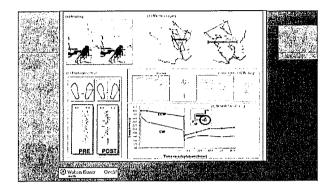
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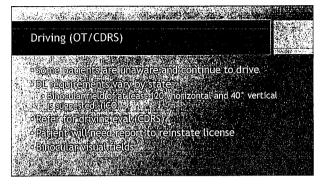


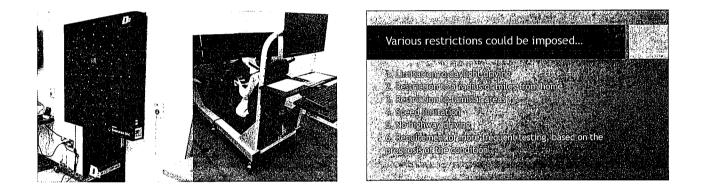


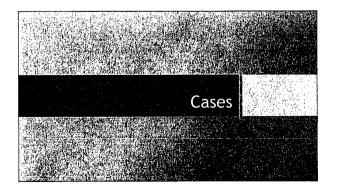


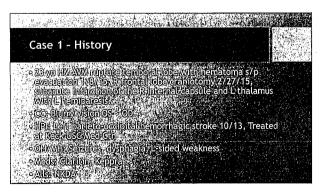


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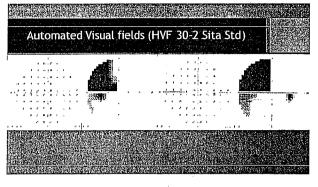




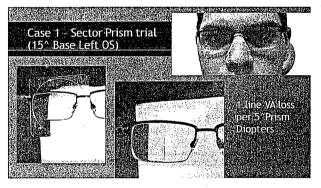


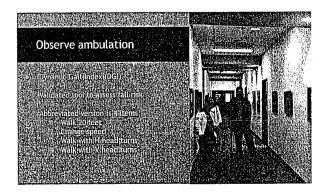
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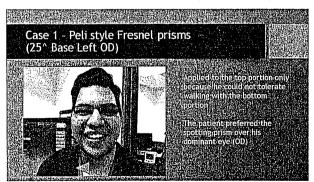


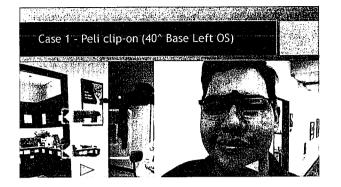


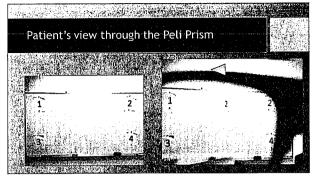


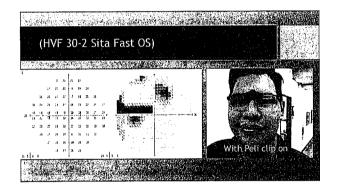


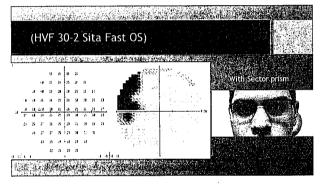


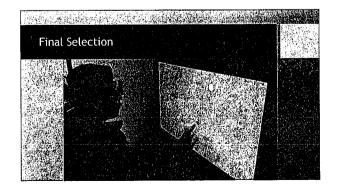


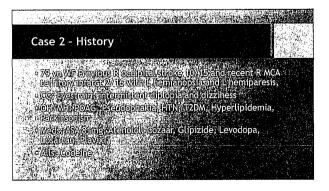


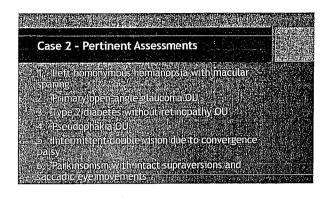


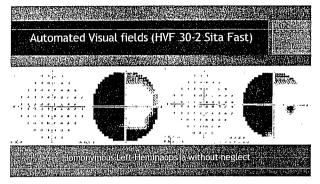


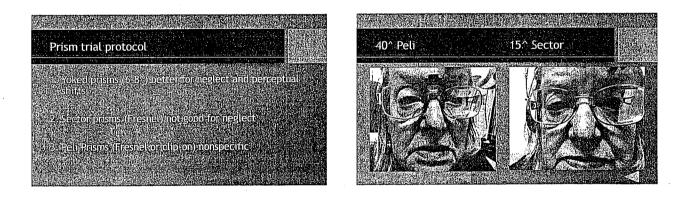


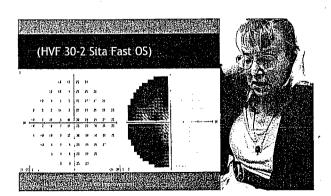


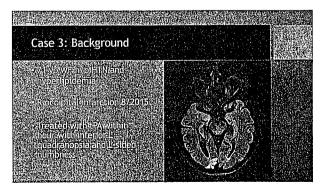


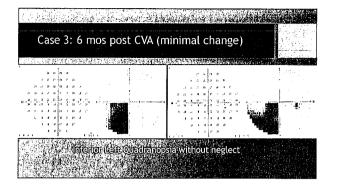




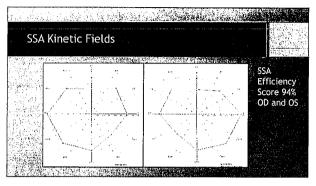


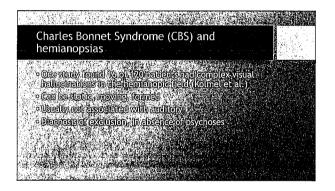


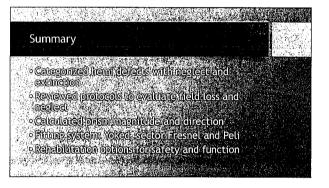


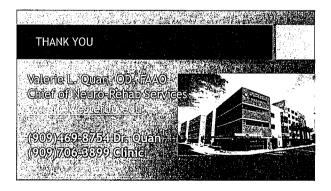


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Valerie L. Quan, OD, FAAO

Western University of Health Sciences 309 East Second Street Pomona, California 91766-1854 (909)469-8754 Valeriequan@westernu.edu

OPTOMETRIC LICENSURES

| 8/2010 - Present | California. Certification in diagnostic and therapeutic topical and oral pharmaceutical agents, including glaucoma. |
|------------------|--|
| 10/2008 - 2011 | Arizona. Certification in diagnostic and therapeutic topical and oral pharmaceutical agents. |
| 7/1999 - 2010 | New York. Certification in diagnostic and therapeutic topical pharmaceutical agents. |
| EDUCATION | |
| 6/2000 | Residency in Primary Care Optometry State University of New York, State College of Optometry, New York, NY 10036 |
| 5/1999 | Doctor of Optometry (O.D.) State University of New York, State College of Optometry, New York, NY 10036 |
| 3/1993 | Bachelor of Science (B.S.), Zoology and Chemistry University of Vermont, Burlington, VT 05405 |

PROFESSIONAL EXPERIENCE

Associate Professor, Western University of Health Sciences, College of Optometry

| 9/2013 – Present | Attending - Casa Colina Hospital for Rehabilitative Medicine Hospital appointment, inpatient and outpatient privileges. Evaluates and manages patients with vision complaints secondary to neurologic change in the inpatient, transitional living center and outpatient departments. Consults with physiatrists, neurologists, and occupational and physical therapists on a daily basis. Participates actively in the optometrist's role in interprofessional management during case conferences, in-service presentations, and shared model for rehabilitation. Contributes regularly to the Clinic Director's meeting, |
|------------------|---|
| | management during case conferences, in-service presentations, and shared |

8/2010 - Present Chief of Neuro-Optometric Rehabilitation Directly responsible for unit development and operations in the area of acquired brain injury, including optometric training for the profession program, outreach, marketing and interdisciplinary management for this patient base. Provides annual continuing education in neuro-rehabilitative care. Students and residents are cross-trained in vision rehabilitation, neuro-optometry and multidisciplinary management of acquired brain injury. Provides clinical supervision of 3rd year interns and 4th year externs. Supervised MSMS students. Provides case conferences for the didactic portion of the 4th year externship program.

5/2011 - Present Attending – Western Diabetes Institute

Provides optometric care and management for ophthalmic manifestations related to diabetes, alongside interprofessional team of providers to provide a new model of synchronous clinical care planning.

8/2010 - Present Attending – Primary Eye Care Service Clinical supervision of 2nd and 3rd optometric interns in a group practice setting. Provides majority of support for clinical faculty in billing, coding, and managed care issues. Experience with 4 electronic health records implementations in multi-provider setting.

Staff Optometrist, CIGNA Medical Group of Arizona

Attending – Department of Optometry Comprehensive optometric care in a multidisciplinary outpatient medical setting. Cataract co-management, glaucoma treatment, well-versed in ordering lab work, imaging, consultation referrals, as well as billing, coding and implementation of electronic medical records.

Assistant Clinical Professor, SUNY State College of Optometry, June 2000 to Dec 2008.

| 11/2003 –12/2008 | Founding Residency Program Supervisor in Head Trauma Vision |
|------------------|---|
| | Rehabilitation |
| | |

Developed novel residency program in managing acquired brain injury. Residents were cross-trained in vision therapy, neuro-optometry and multidisciplinary management of acquired brain injury. Attained ACOE accreditation for program in 3 years.

12/2006 - 12/2008 Faculty – Neuro-Ocular Service / Ocular Disease and Special Testing Specialization in evaluation and management of neuro-ocular patients: multiple sclerosis, myasthenia gravis, thyroid orbitopathy, tumor and stroke. Proficient in performing, interpreting, and teaching advanced testing such as fundus photography, visual fields, HRT, GDx, OCT, B Scan and Orb Scan.

7/2000 - 12/2008 Faculty – Head Trauma Vision Rehabilitation Unit Specialization in evaluation and management of head trauma patients in a

multidisciplinary modality. Experience with vision rehabilitation and perceptual therapy, yoked prisms, visual field neglect and diplopia management in patients with history of head trauma or stroke. Sub-specialization in treatment of vision related vestibular issues.

7/2000 - 12/2008

1/2009 - 7/2010

Attending - Primary Eye Care Service.

Clinical supervision of 3rd and 4th year optometric interns in a group practice setting. Proficient in electronic medical records, billing, coding, and managed care issues.

6/2008 - 12/2008 Attending – International Center for the Disabled, New York, NY Full scope optometric care in an outpatient rehabilitation setting. Experience in multidisciplinary referrals, billing and coding. Collaboration with Physiatry Department and other rehabilitation team members.

6/2001 - 6/2006 Attending – South Beach Psychiatric Center, Staten Island, NY Primary Optometric Care for inpatients and outpatients with a multitude of medical and psychiatric conditions.

| 1/2001 — 6/2006 | Attending – East New York Diagnostic and Treatment Center Kings County Hospital, Brooklyn, NY Clinical supervision of 4 th year interns and residents. Primary optometric care in a busy inner-city clinic; many patients with advanced disease. Co-management with glaucoma specialists and internists. |
|---------------------------------|--|
| 1/2001 6/2003 | Attending – Belvis Diagnostic and Treatment Center Metropolitan Hospital, Bronx, NY Clinical supervision of 4 th year interns and residents in a multidisciplinary setting. Primary optometric care and co-management with glaucoma specialists and internists. |
| 7/1999 6/2000 | Resident – Primary Care Optometry Intensive broad based clinical training with management of pediatrics, contact lenses, binocular anomalies, glaucoma, retinal disease, and emergency care needs. Expanded knowledge and pursued interests in vision therapy, head trauma rehabilitation, clinical research, and neuro-optometry. |
| | G |
| 1/2016 | Lecturer – NBEO Optometry Review Course Provided review of neuro-ophthalmic pathways in an active learning format. |
| 6/2015 | Lecturer – Neuro-Ophthalmic Disease Course Created and delivered neuroimaging lecture using Articulate platform |
| 3/2014 | Instructor – Principles and Practices of Optometric Procedures Guest lecturer on Neuro-Optometric Rehabilitation for 1 st year students |
| 5/2012 – 5/2013 | Instructor – Problem Based Learning Provided classroom instruction and small group discussions to achieve integration of basic sciences and evidence based practices in clinical practice. |
| 10/2011-Present | Instructor of Record – Neuro-Optometric Rehabilitation: Patients with Neurological Damage Trained 3 rd year students in the clinical application of vision rehabilitation in patients with acquired and congenital neurological deficits, emphasizing understanding of the neural basis and neurophysiology as well as integrated systems and multidisciplinary management of this patient base. Authored this course and created student learning objectives. |
| 10/2011-Present | Instructor – Interprofesssional Education in 3rd Year Curriculum Integral member of development team for interprofessional practices in clinical education. Pioneered clinical programs targeted to develop interprofessional management skills with team-based skill sets in the clinical environment, working with Medicine, Dentistry, Podiatry, Physical Therapy, Nursing and Pharmacy. Piloted programs include grand rounds programs, hospital based activities and synchronous care models. |
| 1/2011-Present 1/2013-4/2012 | Instructor - Interprofesssional Education in 2 rd Year Curriculum Interim Instructor of Record - Interprofesssional Education in 2 rd Year Curriculum Helped formulate materials for Team-based Objective Structured Clinical Evaluations (TOSCE) targeted for the College of Optometry students. Trained interprofessional rater for TOSCE events. Participated in rubric development to |

capture evidence of interprofessional skill set. Major contributor to standardized case development for the College of Optometry.

3/2011-5/2012 **Course Liaison - Neuroscience** Trained 1st year students in the mastery of neuroanatomy utilizing visual aids. hands on models, interactive teaching and Socratic method. Prepared syllabus. test items, and bi-serial correlations. 3/2011-5/2011 Instructor – Behavioral Optometry Trained 2st year students in optometric diagnostic theory and procedures for behavioral-based optometric evaluations. 10/2010-11/2010 Course Liaison – Head and Neck Anatomy Trained 1st year students in the mastery of anatomical structures utilizing visual aids, hands on models, interactive teaching and Socratic method. 9/2010-Present Instructor - Interprofesssional Education in 1st Year Curriculum 11/2012-3/2012 Interim Instructor of Record - Interprofesssional Education in 1st Year Curriculum Facilitated group discussions with students from various disciplines to foster. improved interprofessional communications among 5 or more professions. 9/2010-12/2010 Instructor – Principles and Practices of Optometric Procedures Trained 1st year students in optometric diagnostic theory and procedures. emphasizing psychomotor skills. 9/2008 - 12/2008 Instructor – Integrative Seminar Led discussion groups and seminars integrating basic science courses with clinical experiences for 1st year students. 9/2008 - 12/2008 Instructor – Optometric Methods I Trained 1st year students in optometric diagnostic theory and procedures. 6/2006 - 12/2008 Instructor of Record – Acquired Brain Injury Mini-Course Trained residents in optometric management of a specialized population. 6/2003 - 6/2007 Instructor of Record – Advanced Clinical Procedures Led workshops in advanced clinical optometric procedures for residents. 1/2001 - 12/2008 Instructor – Visual Fields Course Lectured and trained 2nd year optometry students in visual field testing and interpretation. 9/1999 - 12/2008 Instructor - Optometric Methods II Lectured and trained 2nd year students in optometric diagnostic procedures. Consistent high rating on student feedback scores. OTHER CLINICAL EXPERIENCE

7/2000 – 12/2008 Laser One – New York, NY Preoperative and postoperative management of lasik patients Co-management with refractive surgeons 9/2006 - 8/2007VistaSite - New York, NY
Comprehensive eye care in a private practice setting. Heavy ocular disease
population; glaucoma, diabetic retinopathy, cataract co-management.
Experience with managed care and medical billing.9/1993 - 8/1997Clinical Research Assistant
Memorial Sloan-Kettering Cancer Center - New York, NY

Performed clinical research with extensive patient interaction and collaborated with various members of an Oncology/Immunology multidisciplinary team. Experience with research protocols, data validation and statistical analysis.

SCHOLARLY ACTIVITIES

Papers (related to Optometry)

Manuscript submitted to Archives of Physical Medicine and Rehabilitation. Systematic Review of Quality of Life after Rehabilitation in Patients with Traumatic Brain Injury, April 2016.

Jasmine W. Yumori, OD, FAAO, David N. Dickter, PhD, Kierstyn Napier-Dovorany, OD, FAAO, **Valerie Q. Wren, OD, FAAO**, John H. Tegzes, MA, VMD, Dipl. ABVT, Sorrel Stielstra, PhD. "Optometry Students' Knowledge-Based Performance within Interprofessional Education Courses". Optometric Education: Volume 40 Number 3.

Wren V. "Traumatic brain injury update: ODs instrumental in fall prevention". California Optometry. 2012 Mar-Apr (39) 24-25.

Wren V. "Ocular and Visual Side Effects of Systemic Drugs – Clinically Relevant Toxicology and Patient Management." <u>Journal of Behavioral Optometry</u>, Volume 11 / 2000 / No. 6, pp 149-156. REPRINTED in the <u>Canadian Journal of Optometry</u>

Other Papers

"A phase II study of topotecan administered five times daily in patients with advanced gastric cancer." <u>American Journal of Clinical Oncology</u>, 12/1997.

"A phase I trial of a modified, dose intensive FAMTX regimen with oral uridine rescue." <u>Cancer</u>, 11/1996.

"Neoadjuvant therapy of high-risk gastric cancer: a phase II trial of preoperative FAMTX and postoperative intraperitoneal fluorouracil-cisplatin plus intravenous fluorouracil." <u>Journal of Clinical</u> <u>Oncology</u>, 06/1996.

Posters and Scientific Papers

- 11/2016 **Wren V**. Atypical Charles Bonnet Syndrome post-ischemic cerebral infarction. Poster presented at American Academy of Optometry Annual Meeting.
- 9/2016 Landin S, **Wren V**, Liu C. Interprofessional Referral Patterns for Traumatic Brain Injury and Stroke Patients with Visual Dysfunctions: A Retrospective Study. Poster presented at Neuro-Optometric Rehabilitation Association Annual Meeting.
- 11/2014 Amniotic membrane therapy in neurotrophic persistent corneal epithelial defect secondary to acoustic neuroma unresponsive to conventional treatment Poster Presentation, American Academy of Optometry Annual Meeting

| 10/2008 | Restrictive extraocular motility as an initial sign of metastatic breast cancer Poster Presentation, American Academy of Optometry Annual Meeting |
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| 12/2004 | Uncovering the Diagnosis in a Case of Cadasil Versus Multiple Sclerosis Poster Presentation, American Academy of Optometry Annual Meeting |
| 12/2003 | A Sytematic Approach to Prism Management of a Noncomitant Vertical Deviation Poster Presentation, American Academy of Optometry Annual Meeting |
| 12/2000 | Neuro-Ophthalmic Complications of Hydrocephalus: A Case Report Poster Presentation, American Academy of Optometry Annual Meeting |
| 12/2000 | The Effectiveness of Cycloplegia and Pupillary Dilation with Cyclopentolate, Tropicamide and Phenylephrine in a Single Combination Solution Scientific Lecture, American Academy of Optometry Annual Meeting |
| Lectures | |
| 4/2016 | Prism Management of Hemianopsias Invited speaker, Loma Linda University Eye Institute, Grand Rounds Series |
| 4/2016 | Online CE – Western University of Health Science's Continuing Education Series COPE 48806-PD, Hospital-based Grand Rounds • Webinar format with post-CE assessment |
| 3/2016 | Neuro-Optometric Rehabilitation in a Hospital Setting Invited Speaker, Neuropsychology Department, Casa Colina Centers for Rehabilitation |
| 3/2016 | Neuro-Optometric Care and Rehabilitation Speaker, California Department of Rehabilitation Educational Event Western University of Health Sciences, Pomona, CA |
| 10/2015 | Founder's Day Continuing Education, Western University of Health Sciences Invited lecture, Neuro-Optometry Grand Rounds |
| 10/2015 | STAPLE Presbyopic Workshop Preceptor for several groups, advising during hands-on activity |
| 9/2015 | STAPLE Toric Workshop Preceptor for several groups, advising during hands-on activity |
| 11/2014 | Sports Concussions and Neuro-Optometric Management Ellerbrock Course, American Academy of Optometry Annual Meeting |
| 10/2014 | Sports Concussions and Neuro-Optometric Management Invited lecture, Inland Empire Optometric Society |
| 9/2014 | Public Health Perspectives for TBI Care Co-Presenter at the 7 th International Congress of Behavioural Optometry Birmingham, United Kingdom |
| 8/2014 | Impact of Rehabilitation on TBI and Public Health Issues Co-Presenter, Western University-wide presentation |
| 6/2014 | Neuro-Optometry Grand Rounds Invited lecture, Los Angeles County Optometric Society |

| 2/2014 | Neuro-Optometric Rehabilitation Invited lecture to patients, Casa Colina Hospital for Rehabilitative Medicine, Pomona, CA |
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| 2/2014 | Neuro-Optometry Grand Rounds – All Day Workshop and AM series Invited lecture to medical staff and therapists, Casa Colina Hospital for Rehabilitative Medicine, Pomona, CA |
| 2/2014 | Online CE – Western University of Health Science's Continuing Education Series COPE Pending - NO Neuro-Optometry Grand Rounds Webinar format with post- CE assessment |
| 11/2015 3/2015 11/2013 4/2013 5/2012 3/2012 11/2012 | Glaucoma Grand Round Program at Western University Continuing Education Program is to assist California optometrists in becoming glaucoma certified pursuant to CCR section 1571. 16-hour Grand Rounds Program equivalent to prospectively treating 15 individual patients for 12 consecutive months. The 16-hour Grand Rounds Program counts for part of the 25 patient Case Management requirement. Directly contributed 8 hours of teaching per session. |
| 9/2013 | 3rd Annual Neuro-Optometric Rehabilitation Seminar Hays-Haine Symposium, Planning Committee Chair Western University of Health Sciences, College of Optometry, Pomona, CA COPE Course 38949-FV Sports Concussion and Interprofessional Management |
| 8/2013 8/2012 | West LA Veteran's Administration – Grand Rounds Invited Lecture, Los Angeles, CA Neuro-Optometric Management of Acquired Brain Injury Neuroscience for the Clinician Programming Neuro-Vision Rehabilitation |
| 5/2013 | IPAD and Interactive Technology in the Classroom Invited Presentation and Hands-on Workshop for the Association of Optometric Contact Lens Educators Annual Meeting |
| 2/2013 | Billing and Coding Update Faculty Presentation, calibration based presentation for improved efficiency and standardization amongst clinic providers using interactive responders |
| 1/20/13 | Online CE – Western University of Health Science's Continuing Education Series COPE Course 36460-NO Programming Neuro-Vision Rehabilitation Online video format which includes 10 questions to assess course attendee |
| 12/2012 | Visual Evoked Potentials Faculty Presentation, Hands-on in service training at the Eye Care Center at Western University of Health Sciences, Pomona, CA |
| 8/2016 10/2013 10/2012 | IKEN Orthoptics Program International attendees from Japan, Western University of Health Sciences, Pomona, CA in collaboration with California State University, Northridge Campus, Physical Therapy Department Discussion: Optometric Practice in the US; an international comparison Hands-on workshop: Advanced Imaging and Vision Therapy Techniques |
| 10/2012 | American Academy of Optometry Annual Meeting |

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| | Ellerbrock Course, Phoenix, AZ COPE Course 35380-PM OD's Instrumental in Fall Prevention |
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| 9/2012 | 2nd Annual Neuro-Optometric Rehabilitation Seminar Western University of Health Sciences, College of Optometry, Pomona, CA COPE Course 35505-NO Neuroscience for the Clinician COPE Course 35506-NO Programming Neuro-Vision Rehabilitation COPE Course 35505-NO Visual Evoked Potentials: Cases and Live Patient Demo |
| 6/2012 | Kaiser Low Vision Annual Regional Meeting Invited Lecture, Pomona, CA Neuro-Optometric Management for the Primary Care OD |
| 5/2012 | Neuro-Optometric Management and Referrals Faculty Lecture, Western University of Health Sciences, Pomona, CA |
| 4/2012 | Department of Defense and Veterans Administration TBI Vision Rehabilitation Symposium Invited Lecture, Naval Medical Center, San Diego, CA COPE Course 34415-NO Vision Therapy Sequencing – Models to Enhance Neuroplasticity |
| 3/2012 | Problem Based Learning in the Clinical Environment Faculty Lecture, Western University of Health Sciences, Pomona, CA |
| 3/2012 | IPAD: Using Technology to Enhance Clinical Education Faculty Lecture, Western University of Health Sciences, Pomona, CA |
| 3/2012- Present | Optometric Residency Programs Invited by Dean of Student Affairs, Campus Lectures, 3 hours mini-series, Western University of Health Sciences. Lectured and facilitated Panel Discussion to educate students and faculty regarding the benefits and logistics of Optometric Residency Programs (given annually) |
| 1/2012 | Meditrek – Faculty Calibration of Clinic Grading Faculty Presentation, Innovation with real-time based calibration using video segments and interactive responders |
| 10/2010 | Recent Advances in Vision Rehabilitation COPE Course 29553-LV, Western University of Health Sciences, College of Optometry |
| 9/2009 | Grand Rounds – Neuro Ophthalmic Cases COPE Course 26280-NO, CIGNA Medical Group Vision Department Meeting, AZ |
| 5/2007 | Optometric Management of Visual Consequences Following Acquired Brain Injury Invited Lecture, Helen Hayes Hospital, Traumatic Brain Injury Symposia, Upstate NY |
| 6/2005 | Ask the Experts: Vision Disturbances after Brain Injury Invited Lecture, Brain Injury Association of New York State 23 rd Annual Conference, Albany, NY |
| 2005-2008 | Typical Vision Problems Following Stroke or Traumatic Brain Injury Continuing Education Series, SUNY College of Optometry (given annually) |

| 2005-2008 | Eye Movement Problems Following Stroke or Traumatic Barin Injury Continuing Education Series, SUNY College of Optometry (given annually) |
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| 2003-2008 | Anterior Segment Grand Rounds Continuing Education Series, SUNY College of Optometry (given annually) |
| 2002-2008 | Vision Rehabilitation of the Brain-Injured Patient Continuing Education Series, SUNY College of Optometry (given annually) |
| 2/1999 | Ocular Manifestations of Systemic Medications Lecture Presentation, SUNY College of Optometry |
| 11/1999 | Ophthalmic Management of Hydrocephalus Lecture Presentation, SUNY College of Optometry |

IRB Research Activity

6/2013 **GE/NFL Head Health Challenge Grant Submission: Assessing spatial localization as a predictor of mild traumatic brain injury.** Not funded.

2010-Present Effectiveness of Osteopathic Manipulative Treatment (OMT) and Vestibular Rehabilitation Therapy (VRT) Alone or in Combination on Balance and Visual Function in Patients with Vertigo and Somatic Dysfunction. Protocol 11/IRB/033 Grant # 11-13-647 Amount: \$100K With Dr. Marcel Fraix and Dr. Donna Redman-Bentley

1999-2001 Effectiveness of Cycloplegia and Pupillary Dilation with Cyclopentolate, Tropicamide and Phenylephrine in a Single Combination Solution: Phase II. With Dr. David Krumholz.

HONORS AND AWARDS

Third Year Clinical Education Preceptor of the Year, 2013-2013. Morton L. Kimmelman Memorial Award for leadership within organized optometry, 1999. Wesley Jessen Award for outstanding proficiency in contact lenses, 1999. Dean's List – SUNY College of Optometry. Spring 1999. Gold Key International Optometric Honor Society. Member 1998-1999. Nomination, Alumus of the Year, 2014, SUNY State College of Optometry Resident Alumus Award, 2016, SUNY State College of Optometry

PROFESSIONAL ORGANIZATIONS and non-University SERVICE

Mentor: ASCO Summer Institute for Faculty Development (SIFD) (2015-Present) Podcast guest speaker: Optometry and Interprofessional Education, ASCO's Podcast Series (2015) SpiRe grant reviewer: Department of Defense, Rehabilitation section (2014-Present) Exhibitor: Brain Injury of California Regional Meeting (2015) Corporate Member and Liaison: California Brain Injury Association (2013-Present) Planning Committee: Annual Walk for Brain Injury, Los Angeles, CA (September 2014) Faculty Advisor: Neuro-Optometric Rehabilitation Association (NORA) Student Club (2012-Present) Peer-reviewer: California Optometric Association Publication (2010-Present) Committee Member: Health Net Duals Advisory Committee (2012-Present) Chair: ASCO SIG Neuro-Optometric Rehabilitation Educators (2015-2017) Chair-elect: ASCO SIG Neuro-Optometric Rehabilitation Educators (2012-2014) Fellow: American Academy of Optometry, since 2002. Member: Neuro-Optometric Rehabilitation Association (NORA)

Member: College of Optometrists in Vision Development (COVD) Member: American Academy of Optometry (AAO) Member: American Optometric Association (AOA) Member: New York State Optometric Association (NYSOA) Member: California Optometric Association (COA), Inland Empire Local Society Faculty Liaison: Faculty Relations Committee, American Academy of Optometry (2004-2008) Committee Member: Strategic Planning Committee, NYSOA (2006-2008) Board Member: Local Society of the American Optometric Association (2001-2007) Trustee: American Optometric Student Association (1996-1998) won bid for annual conference. Presenter: Career Day, Optometric Profession, El Roble Middle School (2015) UNIVERSITY SERVICE Participant: ASCO's Interprofessional Education and Collaborative Practice Summit (2016) Presenter: Award's Day Presenter, College of Optometry (2015) Member: IPE Design Team (2012-Present) Contributor: Created NBEO-style items as a content expert in neuro-ophthalmic disease (2015) Supervisor: Annual Performance Reviews and Mentorship, for Optometric Faculty (2012-2015) Committee Member: Integrative Practice Planning Committee (2015) Elected Position: Faculty Chair, College of Optometry (2015-Present) Chair: Executive Committee, College of Optometry (2015-Present) Chair: University Faculty Awards Committee, College of Optometry (2015-Present) Member: Cross College Communications Group, College of Optometry (2015-Present) Invited Member: University-wide Promotion and Tenure Task Force (2015) Invited Member: Inter-Professional Practice Task Force (2015) Research Advisor: Western University of Health Sciences Student Work Study Program (2012-2013) Chair: Billing and Coding Committee (2012-Present) Elected Member: Promotion and Tenure Committee (2011-2014)(2015-Present) File Reviewer: Admissions Committee (2010-2015) Member: House of Galileo, Faculty-Student group (2010-Present)

Track Leader, Rehabilitation Science Curriculum, College of Optometry (2016-Present)

COMMUNITY OUTREACH

| 1/2015 | Voice of America – Guest for 1 hour radio show, helped procur speakers for the show, featured in AOA publication http://www.voiceamerica.com/episode/82690/sports-concussions-what-every-parent-should-know-and-look-out-for |
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| 9/2013 | Mission Home Health – Health care team Invited Talk Neuro-Optometric Rehabilitation |
| 9/2013 | Atria Del Rey Senior Living – Stroke Group Invited Talk Vision and Balance |
| 9/2012 , | Palomares Senior Center – Stroke Group Invited Talk Post-Stroke Vision Changes |
| 9/2012 | Arcadia Community Center Invited Talk and Vision/Balance Screening Vision and Fall Prevention for Seniors |
| 8/2012 | Palomares Senior Center Invited Talk |

- Vision and Fall Prevention 6/2012 Ontario Senior Center Invited Talk and Vision Screening Vision and Fall Prevention
- 5/2011 Upland Rotary Club Invited Talk, Upland, CA The Discipline of Learning and the Art of Caring

INDUSTRY DISCLOSURES

Goodlite Products, Inc. Nature of relationship is as advisor without monetary or interest gains for development of tools and kits to be used for Neuro-Optometric assessments.

MEDIA

- 5/2015 Optometry and Interprofessional Education, Invited guest speaker ASCO's Podcast Series <u>http://www.opted.org/4693-2/</u>
- 1/2015 Voice of America Guest for 1 hour radio show, helped procur speakers for the show, featured in AOA publication <u>http://www.voiceamerica.com/episode/82690/sports-concussions-what-every-parent-should-know-and-look-out-for</u>
- 1/2013 Optometry on interprofessional care Public Relations video contribution aired on KCOW, Southern California's PBS station. www.discoverhealth.tv

BIO

Dr. Wren joined Western University from the State University of New York College of Optometry where she was involved in multispecialty clinical education, research, and residency education for 10 years. Additionally, she brings experience from hospital-based, rehabilitation, psychiatric, VA medical center, private practice, and outpatient surgical settings. As a the Chief of the Neuro-Optometric Rehabilitation Service, her focus lies in evaluation, treatment, and inter-professional management of patients with acquired brain injury. She provides state-of-the-art diagnostic, therapeutic, and rehabilitative assessments to enhance her patient's visual capabilities, daily activities, and quality of live. She is actively involved in clinical research and continuing professional education in the area of Neuro-Optometric Rehabilitation. Additionally, she teaches a course in the clinical application of vision rehabilitation in patients with acquired and congenital neurological deficits, emphasizing understanding of the neural basis and neurophysiology as well as integrated systems and multidisciplinary management of this patient base to future optometrists.