

STATE BOARD OF OPTOMETRY

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



Continuing Education Course Approval Checklist

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



February 1, 2017

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

Dear California State Board of Optometry,

Re: Returned CE Course Approval Request – Enlarged Optic Nerve Cupping

This letter serves to furnish the items requested after preliminary review of my initial application.

A sincere effort was made to submit the initial application 45 days in advance of the presentation date; however, I did not receive the presentation materials from Dr. Neda Shamie within an acceptable time frame. That said, I waited to mail the entire CE application packet until I was in possession of all presentations for the Kaiser Permanente 2017 Optometry Symposium. In the future, I will be more stringent with each instructor to ensure I have all necessary materials well in advance of the symposium date.

Additionally, there was a misunderstanding of the CE Course Approval Application process as I was unaware of the requirement that the application be submitted electronically and not by mail. Moving forward, I am now clear of the requirements and will submit future applications via email.

If you have any questions, please feel free to contact me at (626) 405 – 4648 or by email jennifer.n.iacuaniello@kp.org.

Sincerely,

Jennifer Iacuaniello

Jenniger la maniello

\$350 Paid for the 7 Courses

BUSINESS, CONSUMER SERVICES, AND HOUSING AGENCY



STATE BOARD OF OPTOMETRY2450 DEL PASO ROAD, SUITE 105, SACRAMENTO, CA 95834
P (916) 575-7170 F (916) 575-7292 www.optometry.ca.gov

Receipt #

Amount

Beneficiary ID

Cashiering and Board Use Only

CONTINUING EDUCATION COURSE APPROVAL APPLICATION

\$50 Mandatory Fee

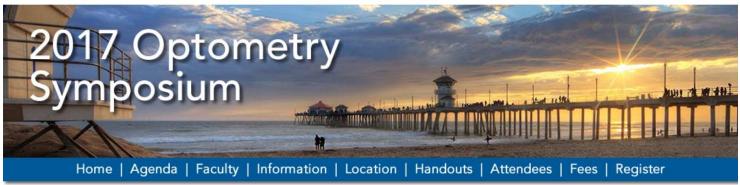
Pursuant to California Code of Regulations (CCR) § <u>1536</u>, the Board will approve continuing education (CE) courses after receiving the applicable fee, the requested information below and it has been determined that the course meets criteria specified in CCR § 1536(g).

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

| Please type or print clearly. | | | | |
|--|-------------------|---------------------|---------------|-----------------------|
| Course Title | | Course Presentation | n Date | |
| Enlarged Optic Nerve Cupping | | 0 2 /1 | 1/20 | 1 7 |
| | Cauras Bravidar C | ontact Information | | |
| Provider Name | Course Provider C | ontact information | | |
| 5-1 190E | (2) 72 122 | | 1212 21 | |
| Jennifer | lacuaniello | | Nami | |
| (First) | (L | .ast) | (Mide | dle) |
| Provider Mailing Address | | | | |
| Street 393 E. Walnut, 1st FI City | y Pasadena | State CA | _ z ip | s |
| Provider Email Addressjennifer.n.iacuaniello@kp.org | | | | |
| Will the proposed course be open to all California licensed optometrists? ✓ YES □ NO | | | ✓ YES □ NO | |
| Do you agree to maintain and furnish to the Board and/or attending licensee such records of course content and attendance as the Board requires, for a period of at least three years from the date of course presentation? ✓ YES □ NO | | | | |
| Course Instructor Information Please provide the information below and attach the curriculum vitae for <u>each</u> instructor or lecturer involved in the course. If there are more instructors in the course, please provide the requested information on a separate sheet of paper. | | | | |
| Instructor Name | | | | |
| Andrew | Mick | | Boyd | |
| (First) | | ast) | | Middle) |
| (1 1131) | (10 | 151) | | vildale) |
| License Number 11996 | | License Type Opto | ometrist | |
| Phone Number (415) 221-4810 ext. 4606 Email Address andrew.mick@va.gov | | | | |
| 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. | | | | |
| X dog for I (10) | | 1.5. | 7 | |
| Signature of Course Provider | | Date | 7 | |
| () () | | | | Form CE-01, Rev. 5/16 |
| | 2 | 2 | | |



SCPMG Meetings & Events



WELCOME!

Please join us at this informative conference for Kaiser Permanente optometrists, opticians and other interested health care professionals. This event will provide a congenial atmosphere to exchange ideas and learn from notable experts in optometry and related fields.

Madhu Chawla, OD Chairperson, Optometry Symposium Committee

DATE & LOCATION

Saturday, February 11, 2017

The Waterfront Beach Resort. A Hilton Hotel 21100 Pacific Coast Highway Huntington Beach, CA 92648 (714) 845 - 8000

AGENDA

Download the symposium agenda

FACULTY

Click here to meet the faculty

SOCIAL MEDIA

Follow us on facebook and twitter for up to date information on all symposia.



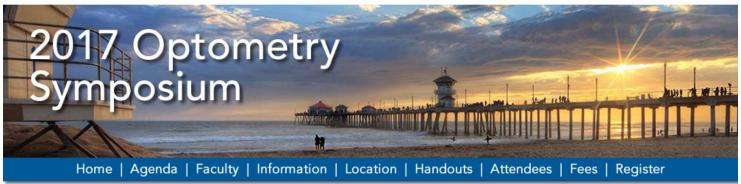


Reminder

Name badges will no longer be printed. Please bring your Kaiser Permanente issued badge for identification.



SCPMG Meetings & Events



LEARNING OBJECTIVES

At the end of this activity, participants should be able to:

- Enhance their knowledge surrounding the treatment and management of glaucoma
- 2. Co-manage patients with corneal disorders
- Be informed and learn about new diagnostic technology available for patient care for the treatment and management of glaucoma and comeal disorders
- Gain a better understanding of treatment options available for anterior segment disorders
- 5. Enhance knowledge of systemic disease as it applies to eye
- Reinforce knowledge of the standard of care within the profession and optimize care delivery

TARGET AUDIENCE

Optometrists, Ophthalmologists, Opticians and any other interested health care professionals

ACCREDITATION

Optometrists – California State Board of Optometry approval pending.

PERSONS WITH DISABILITIES

In compliance with the Americans with Disabilities Act, all reasonable efforts will be made to accommodate persons with disabilities at the meeting. If you have any special dietary or accommodation needs, please notify the meeting planner listed, prior to the symposium at (626) 405-4648 or tie-line 8-335-4648. This advance notice will help us serve you better.



2017 Optometry Symposium

Saturday, February 11, 2017

| Agenda | |
|--------------|---|
| 7:00 am | Registration and Breakfast |
| 7:50 am | Welcome and Introductions |
| 8:00 am | Potpourri of Corneal Cases Neda Shamie, MD |
| 8:50 am | Corneal Dystrophies and Pathology Neda Shamie, MD |
| 9:40 am | Morning Break |
| 10:00 am | Systemic and Medical Jeopardy David Sendrowski, OD |
| 10:50 am | Viral Infections of the Anterior Segment David Sendrowski, OD |
| 11:40 am | OD of the Year |
| 11:50 am | Lunch |
| 12:50 pm | Lessons Learned as a Malpractice Consultant Andrew Mick, OD |
| 2:30 pm | Afternoon Break |
| 2:40 pm | The Other Glaucoma Andrew Mick, OD |
| 3:30 pm | Enlarged Optic Nerve Cupping Andrew Mick, OD |
| 4:20 pm | Closing Comments and Raffle |
| Agenda is su | bject to change |

Course: Enlarged Optic Nerve Cupping

Speaker: Andrew Mick, OD, FAAO

Time: 3:30 pm – 4:20 pm

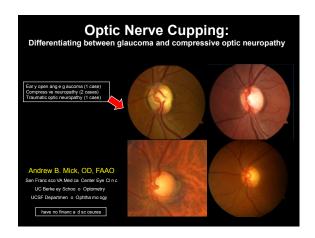
CE Requested: 1 Hour

Summary: The initial sign of a potential diagnosis of glaucoma is often enlarged nerve cupping. This sign is not specific and many of the confirmatory tests are also abnormal with compressive optic neuropathy. This lecture reviews the patient profiles, systemic symptoms and ocular signs to help differentiate between glaucoma and compressive neuropathy.

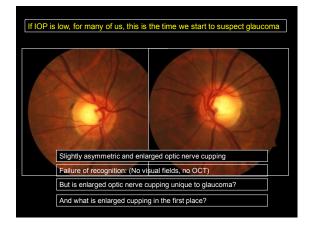
Topical Outline

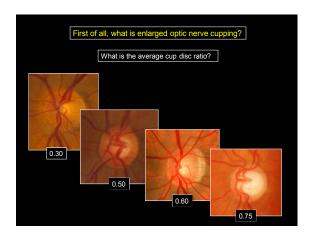
- 1. Brief anatomical review of the optic nerve and anterior visual pathway
- 2. Glaucomatous and compressive optic neuropathy: Why we can be fooled
 - a. Enlargement of the optic cup-to-disc ratio is nonspecific
 - b. There is overlap in the age of incidence for the two optic neuropathies
 - c. Early in both diseases, the clinical appearance of the nerve can be similar
 - d. Early in both diseases, visual field defects can be similar
 - e. Early in both diseases, OCT measured nerve fiber layer loss can be similar
 - f. The cost and logistics of getting brain scans leads to resistance in ordering
 - g. The comparatively high prevalence of glaucoma
- 3. Systemic symptoms/signs of pituitary dysfunction
 - a. Non-secreting adenomas usually only produce signs/symptoms associated with mass effect
 - b. Secreting adenomas can produce symptoms specific to overproduced hormone
- 4. How we can differentiate and determine who should be scanned
 - a. More likely to be compressive
 - b. More likely to be glaucoma

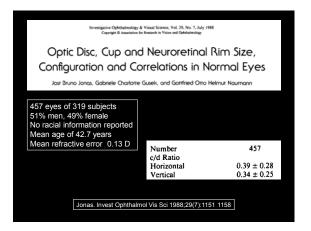


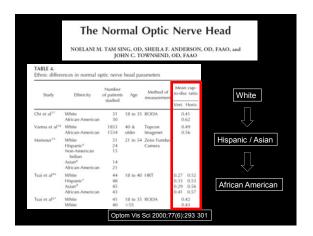


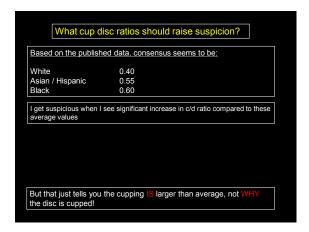


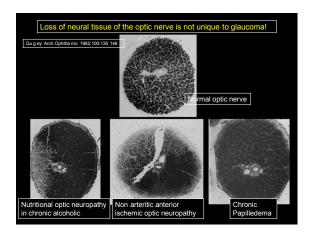


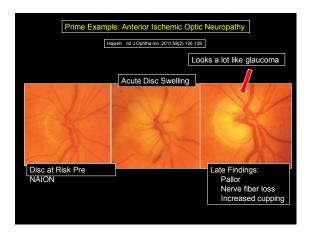










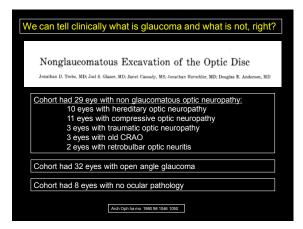


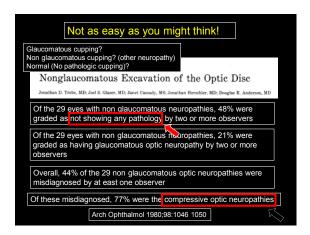
But all those neuropathies look different, right?

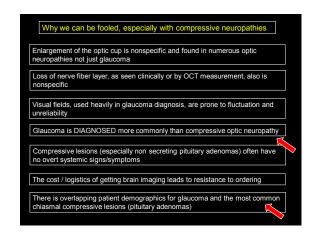
We can tell clinically what is glaucoma and what is not!

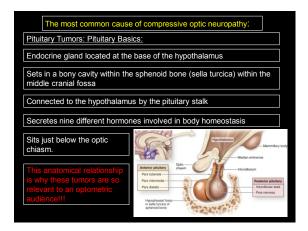
70 eyes with different reasons for increased cupping:
Eyes with open angle glaucoma
Eyes with no ocular disease
Eyes with hereditary optic neuropathy
Eyes with compressive optic neuropathy
Eyes with traumatic optic neuropathy
Eyes with old CRAO
Eyes with retrobulbar optic neuritis

Could you group them into one of three groups based just on the nerve?
Glaucomatous cupping
Non glaucomatous cupping (A neuropathy that isn t glaucoma)
Normal (No pathologic cupping)

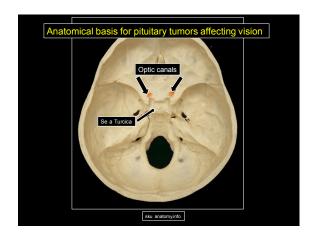


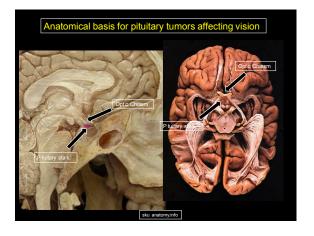


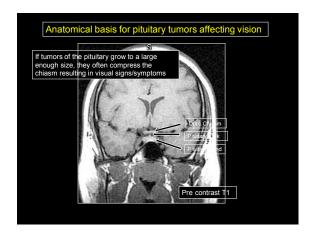


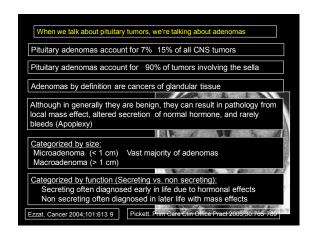


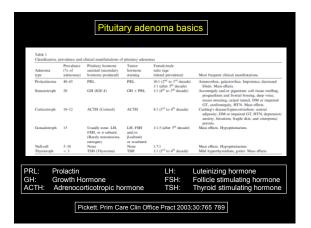


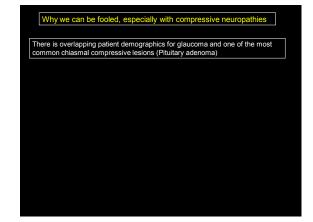


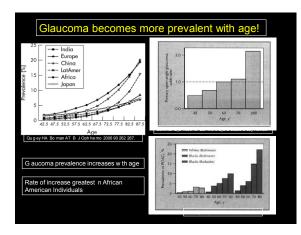


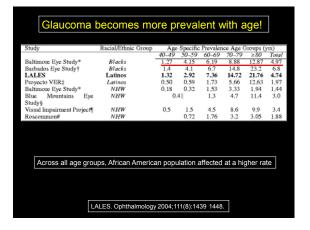


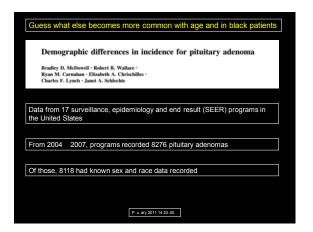


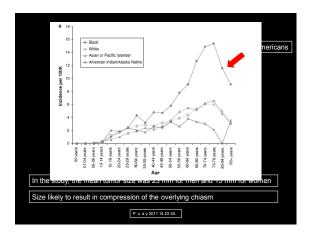


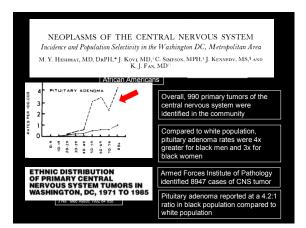












Why we can be fooled

The optic nerves can look strikingly similar

There is overlapping demographics between glaucoma and CON

Glaucoma is DIAGNOSED more commonly than compressive optic neuropathy

Implication that pituitary adenoma are rare.

But how rare are they?

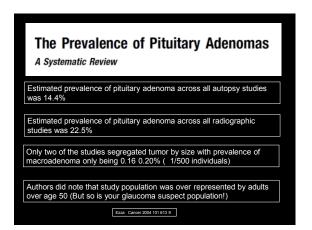
Pituitary adenomas are rare.....right?

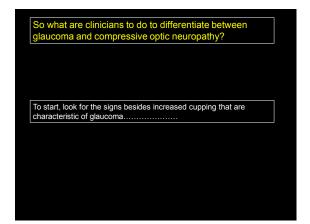
The Prevalence of Pituitary Adenomas
A Systematic Review

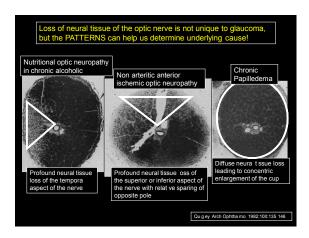
Pituitary adenoma prevalence studies utilize either autopsy or radiographic evidence

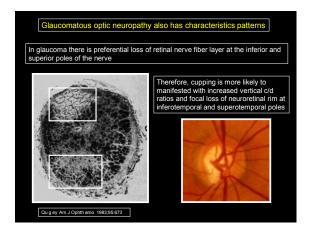
Meta analysis of all published studies on pituitary adenoma prevalence prior to the year 2000

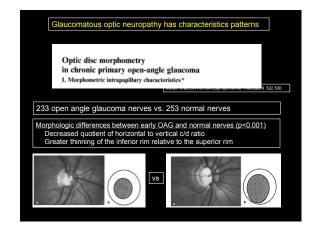
Identified 10 studies: 3 radiographic and 7 autopsy evidence based







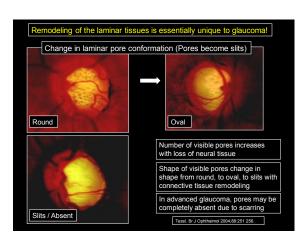


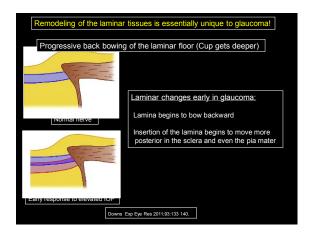


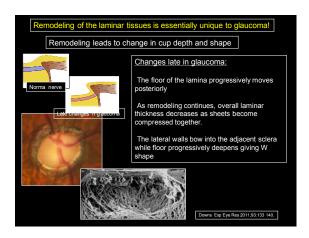
Claucomatous optic neuropathy is more than just increased cupping

Vertical elongation of the cup or notching of vertical pole

Connective tissue remodeling leads to change in cup depth and shape plus altered laminar pore conformation





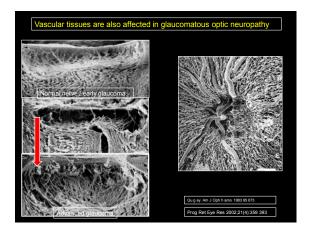


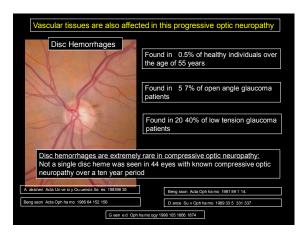
Claucomatous optic neuropathy is more than just increased cupping

Vertical elongation of the cup or notching of vertical pole

Connective tissue remodeling leads to change in cup depth and shape plus altered laminar pore conformation

Vascular tissues are also affected in progressive glaucomatous optic neuropathy





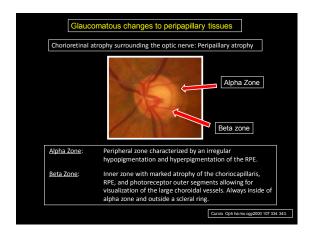
Glaucomatous optic neuropathy is more than just increased cupping

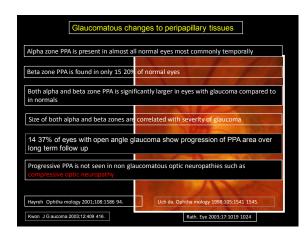
Vertical elongation of the cup or notching of vertical pole

Connective tissue remodeling leads to change in cup depth and shape plus altered laminar pore conformation

Vascular tissues are also affected in progressive glaucomatous optic neuropathy resulting in disc hemorrhages

Peripapillary tissues are also affected in progressive glaucomatous optic neuropathy





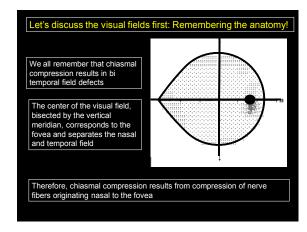
So what are clinicians to do to differentiate between glaucoma and compressive optic neuropathy?

You have already looked for changes to the nerve that are relatively specific to glaucomatous optic neuropathy:

Vertical elongation of cup or vertical quadrant notch Laminar changes
Disc hemorrhages
Enlarged areas of or progressive peripapillary atrophy

Next, make sure there is not evidence of the changes to the nerve characteristic of compressive optic neuropathy?

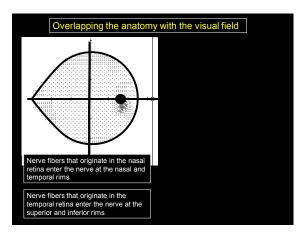
Let go back to the anatomy!

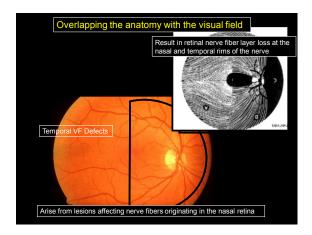


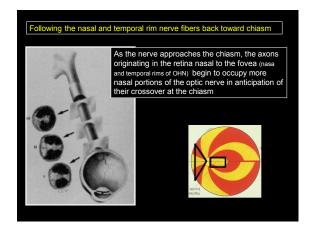
All ganglion cell axons originating nasal to the optic nerve within the retina essentially take a direct course to the nasal, superior nasal, and inferior nasal optic nerve

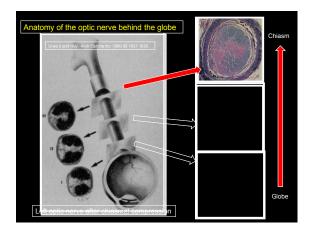
Ganglion cell axons originating from the fovea and nasal to the fovea course directly to the temporal optic nerve creating the papillomacular bundle

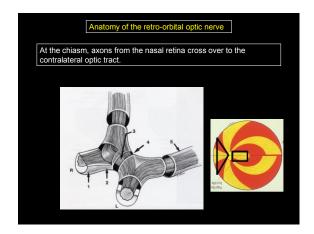
Ganglion cell axons originating from portions of the retina temporal to the fovea must take an arcuate course around the papillomacular bundle entering the superior and superior temporal, inferior and inferior temporal nerve

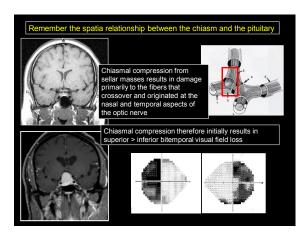


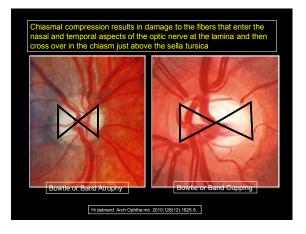




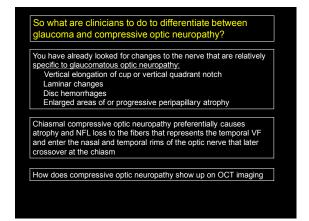


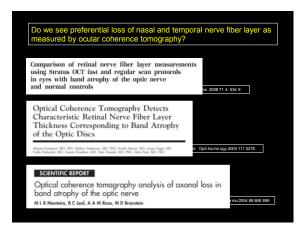


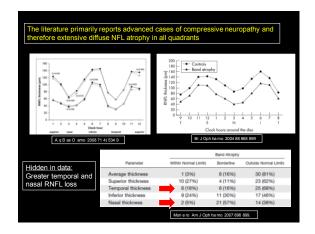


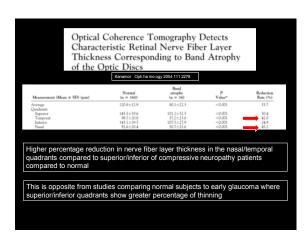


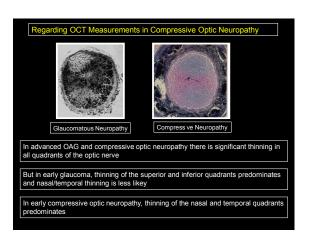












So what are clinicians to do to differentiate between glaucoma and compressive optic neuropathy?

You have already looked for changes to the nerve that are relatively specific to glaucomatous optic neuropathy:

Laminar changes

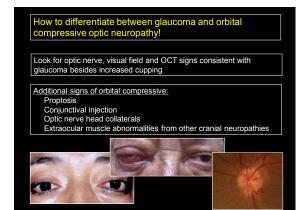
Disc hemorrhages

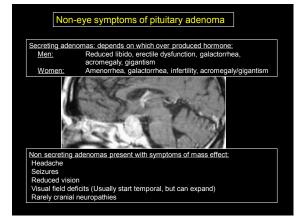
Enlarged areas of or progressive peripapillary atrophy

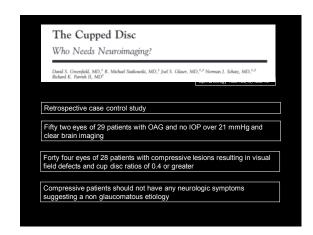
Chiasmal compressive optic neuropathy preferentially affects nerve fibers that represent the temporal VF, enter the nasal and temporal rims of the optic nerve, and later crossover at the chiasm

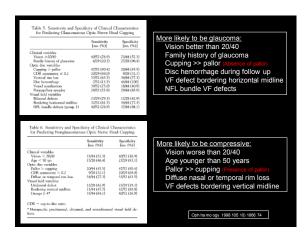
Although both neuropathies show OCT NFL thinning in all quadrants in advanced cases, early in glaucoma vertical poles are affected and early in compressive horizontal poles are affected

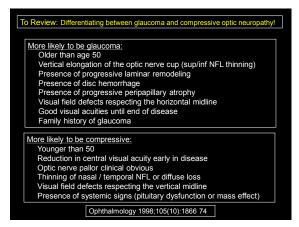
Glaucoma should be isolated to the nerve (No orbital, hormonal or mass effect signs!)













Andrew B Mick, OD, FAAO

San Francisco VA Medical Center Eye Clinic (112-A) 4150 Clement St San Francisco, California, CA 94121 415-221-4810 x 4606 (Office), 415-378-0028 (Cell) andrew.mick@va.gov

EDUCATION

| 1993-1997 | University of Michigan, Ann Arbor. Bachelors of Science in Biology |
|-----------|---|
| 1997-2001 | University of California, Berkeley. Doctorate of Optometry |
| 2001-2002 | Bascom Palmer Eye Institute University of Miami, Department of Ophthalmology Optometric Residency in Ocular Disease |

EMPLOYMENT

| 1995-1997 | Kellogg Eye Center, University of Michigan, Department of Ophthalmology |
|-----------|---|
| | Glaucoma/Molecular Biology Research Assistant |
| | Principle Investigator: Julia E. Richards, Ph.D. |

2002-2004 Meredith Morgan Eye Center, University of California Berkeley

Clinical Faculty, School of Optometry

2002-Present San Francisco VA Medical Center

Staff Optometrist (2002-Present)

Optometry Student Externship Coordinator (2002-2012) Optometric Residency Coordinator (2012-Present)

FACULTY APPOINTMENTS

2002-Present University of California, Berkeley, School of Optometry

Associate Clinical Professor

2007-Present University of California, San Francisco, Department of Ophthalmology

Associate Clinical Professor

HONORS AND AWARDS

| 2000 | Harris Family Scholarship |
|------|---|
| 2000 | California Optometric Association Junior Leadership Award |
| 2001 | Thal/VSP Excellence in Primary Care Award |
| 2001 | Vision West Annual Scholarship |

| 2001 | Vistakon Award of Contact Lens Excellence |
|------|---|
| 2001 | Robert Gordon and Andrea Silvers Award |
| 2001 | William Feinbloom Low Vision Award |
| 2001 | Medical Eye Services Award |
| 2001 | University of California, Berkeley, Gold Retinoscope Award |
| 2003 | American Academy of Optometry Fellowship |
| 2004 | San Francisco VA Medical Center, Service and Patient Care Award |
| 2012 | Bernard Dolan Residency Mentor of the Year Award |

BOOK CHAPTERS

- 1. Mick AB. Lacrimal disorders. In Onofrey B, Skorin L, Holdeman N (Editors). Ocular Therapeutics Handbook: A Clinical Manual 2rd Edition 2005. Philadelphia: Loppincott, Williams, Wilkins.
- 2. Mick AB. Ocular Trauma. In Onofrey B, Skorin L, Holdeman N (Editors). Ocular Therapeutics Handbook: A Clinical Manual 2rd Edition 2005. Philadelphia: Loppincott, Williams, Wilkins.
- 3. Mick AB. Lacrimal disorders. In Onofrey B (Editor). Ocular Therapeutics Handbook: A Clinical Manual 3rd Edition 2011. Philadelphia: Loppincott, Williams, Wilkins.
- 4. Mick AB. Ocular Trauma. In Onofrey B (Editor). Ocular Therapeutics Handbook: A Clinical Manual 3rd Edition 2011. Philadelphia: Loppincott, Williams, Wilkins.

PEER REVIEWED PUBLICATIONS

- 1. Othman MI, Sullivan SA, Skuta GL, Cockrell DA, Stringham HM, Downs CA, Fomes A, Mick AB, Boehnke M, Vollrath D, Richards JE. Autosomal dominant nanophthalmous (NN01) with high hyperopia and angle closure glaucoma maps to chromosome 11. *Am J Hum Genet* 1998;63:1411-1417.
- 2. Mick AB, Gonzalez S, Dunbar MT, McSoley JJ. A cost analysis of the prostaglandin analogs. Optometry 2002;73(10):614-619.
- 3. Tsou-Chong J, Mick AB. Choroidal metastasis: Case reports and review of the literature. *Optometry* 2005;76(5):293-301.
- 4. Hicks D, Mick AB. Recurrent conjunctival hemorrhage leading to the discovery of ocular adnexal lymphoma. *Optometry* 2010;81(10):528-32.
- 5. Harrison WW, Bearse MA, Schneck ME, Wolfe BE, Jewell NP, Barez S, Mick AB, Dolan BJ, Adams AJ. Prediction by retinal location of the onset of diabetic macular edema in patients with nonproliferative diabetic retinopathy. *Invest Ophthalmol Vis Sci* 2011;52(9):6825-6831.
- 6. Guan H, Mick A, Porco T, Dolan BJ. Preoperative factors associated with IOP reduction after cataract surgery. *Optom Vis Sci* 2013;90(2):179-184.

PEER REVIEWED POSTERS

- 1. Carlson PE, Mick AB, McNamara NA, Fleiszig SMJ. Hypoxia protects human corneal epithelial cells from killing by cytotoxic P. Aeruginosa. ARVO, 2000.
- 2. Tran T, Mick A, Dolan B. Posterior segment complications of interferon therapy for chronic hepatitis C. American Academy of Optometry; Dallas 2003.
- 3. Fong C, Chen M, Mick A. Ocular side effects with reduced vision from high dose, long term chlorpromazine treatment. American Academy of Optometry; San Diego 2005.
- 4. Yoshiyama K, Mick A, Dolan B. Corneal crystal deposits secondary to multiple myeloma. American Academy of Optometry; Denver 2006.
- 5. Wong A, Dolan B, Mick A. Visual loss as the only presenting symptom in a patient with AIDS-associated progressive multifocal leukoenchephalopathy. American Academy of Optometry; Tampa 2007.
- 6. Tobin L, Dolan B, Mick A. Idiopathic intracranial hypertension presenting as symptomless unilateral optic disc edema. American Academy of Optometry; Tampa 2007.
- 7. Hicks D, Mick A. Ocular adnexal lymphoma presenting as recurrent subconjunctival hemorrhage. American Academy of Optometry; Orlando 2009.
- 8. Bedwell A, Mick A. Spectral domain OCT in four patients with adult onset foveomacular vitelliform dystrophy. American Academy of Optometry; Boston, MA 2011.
- 9. Jones H, Mick A. Expanding the differential diagnosis of papilloedema: Ruling out cerebral venous thrombosis. American Academy of Optometry; Boston, MA 2011
- 10. Flettner J, Mick A, Dolan B. Federal aviation (FAA) vision requirements: What are your responsibilities when a pilot develops a disqualifying visual condition? American Academy of Optometry; Phoenix, AZ 2012
- 11. Meadows J, Bahn M, Mick A. Antibiotic therapy in anticoagulated patients with risk factors for community associated methicillin-resistant Staphylococcus aureus. American Academy of Optometry; Seattle, WA 2013.

NON-PEER REVIEWED PUBLICATIONS

- 1. Mick AB. A revolution at Berkeley. *California Optometry* 1999;26(6):21.
- 2. Mick AB. A cancer patient's vision declines. Review of Optometry 2002;139(2):101-102
- 3. Mick AB. Book Review: Imaging the eye from front to back with RTVue fourier domain optical coherence tomography. *Optom Vis Sci* 2011;88:781.
- 4. Mick AB. Book Review: Cataracts: A patient's guide to treatment. *Optom Vis Sci* 2012;89(10).

5. Chen-Lynch M, Mick AB. Nonnecrotizing anterior scleritis mimicking orbital inflammatory disease. *Clin Optom* 2013;5:29-37.

NATIONAL PROFFESSIONAL APPOINTMENTS

| 1999 | American Optometric Association House of Delegates, Student Delegate |
|--------------|--|
| 2004-2006 | American Academy of Optometry Membership Committee |
| 2005-2008 | National Board of Examiners in Optometry Part III Examiner |
| 2006-2010 | Accreditation Council on Optometric Education Consultant (2006-2008) Team Chair (2009-2010) |
| 2006-2016 | American Academy of Optometry, Scientific Program Committee Member (2006-2012) Vice Chair (2012-2014) Chair (2014-2016) |
| 2014-2016 | Optometric Glaucoma Foundation Chief Financial Officer |
| 2015-2016 | American Academy of Optometry, Awards Committee Member |
| 2015-Present | American Academy of Optometry, Glaucoma Diplomate Program Candidate Mentor |

VETERANS AFFAIRS COMMITTEE APPOINTMENTS

| 2004-2006 | Advanced Clinic Access Committee Eye Clinic Representative |
|----------------|---|
| 2005-Present | Veterans Integrated Service Network 21 Co-Consultant to National Optometry Service |
| 2009-Present | Reusable Medical Equipment Disinfection Committee Eye Clinic Representative |
| 2016 – Present | Direct Scheduling Committee Eye Clinic Representative |

ACADEMIC COMMITTEE APPOINTMENTS

| 1999-2000 | University of California, Berkeley, School of Optometry Optometry Student Association President |
|-----------|---|
| 2000 | University of California, Berkeley, School of Optometry ACOE Self Study Committee: Student Education |
| 2000 | University of California, Berkeley, School of Optometry Admissions Committee |
| 2002-2006 | University of California, Berkeley, Optometry Alumni Association Vice President |
| 2003-2004 | University of California, Berkeley, School of Optometry Clinic Advisory Committee |
| 2002-2005 | University of California, Berkeley, School of Optometry Faculty Glaucoma Certification Program Instructor |
| 2006 | University of California, Berkeley, School of Optometry ACOE Self Study Committee: Resident Education |
| 2006-2008 | University of California, Berkeley, School of Optometry Clinical Curriculum Committee |
| 2008 | University of California, Berkeley, School of Optometry California State TPA Glaucoma Course Curriculum Committee |
| 2008-2009 | University of California, Berkeley, School of Optometry Curriculum Committee |
| 2011-2012 | University of California, Berkeley, School of Optometry California State Optometry Glaucoma Certification Course Beta II Course Reviewer Beta III Course Reviewer Examination Question Writer Grand Rounds Facilitator |
| 2012 | University of California, San Francisco Department of Ophthalmology Staff Optometrist Search Committee |
| 2014 | University of California, San Francisco Department of Ophthalmology San Francisco General Hospital Staff Optometrist Search Committee |
| 2016 | University of California, San Francisco Department of Ophthalmology Staff Optometrist Search Committee |

EXPERT WITNESS CONSULTING

2012 Montana Fourth Judicial District Court 2012 - Present Superior Court of the State of California

JOURNALS EDITED

2011-Present Optometry and Vision Science

Journal of the American Academy of Optometry

Associate Topical Editor (2011-2014) Editorial Board (2014-Present)

JOURNALS REVIEWED

2004-Present **Optometry and Vision Science**

Journal of the American Academy of Optometry

2007-2011 **Optometry**

Journal of the American Optometric Association

2013-Present **Journal of General Internal Medicine**

INVITED PROFESSIONAL LECTURES

1. American Academy of Optometry, Dallas, TX, 2003

Recent large multi-center clinical trials and how they have shaped optometric glaucoma management

2. University of California, Berkeley, 2003

Optometry Alumni Association Reunion

The ocular ischemic syndrome

3. Clinical Educators in Eyecare, San Jose, CA, 2003

Glaucoma treatment: A study driven philosophy

4. University of California, Berkeley, 2003

Meredith Morgan Symposium

Glaucoma management in optometric practice

5. Sacramento Optometric Society, 2003

Integrating recent glaucoma clinical trials into patient management

6. San Mateo Optometric Society, 2003

Uveitic glaucoma

7. American Academy of Optometry, Tampa, FL, 20004

Seeing the whole picture: Ocular clues to systemic disease

8. San Francisco Optometric Society, 2004

Anterior uveitis and the judicious use of steroids

9. University of California, Berkeley, 2004

Optometry Alumni Association Reunion

Diabetes and the eye: Diagnosis, management strategies, and potential future therapies

10. American Academy of Optometry, San Diego, CA, 2005

Evidenced based medicine

11. Tri-County Optometric Society, Santa Barbara, CA, 2005

Central corneal thickness: Its relationship to IOP and glaucoma

12. VISN 21 Nurse Practitioners Conference, San Francisco, CA 2005

Ocular emergencies

13. American Academy of Optometry, Denver, CO, 2006

Transient ischemic attack

14. Kentucky Optometric Association, Louisville, KY, 2006

Current and future AMD treatments

Ocular manifestations of systemic disease

15. Asian American Optometry Study Group, San Francisco, CA, 2006

Corneal thickness: What is it telling us?

16. Vision Expo West, Las Vegas, NV, 2007

Evidenced based medicine

A review of the glaucoma medications

Central corneal thickness and glaucoma

17. American Academy of Optometry, Tampa, FL, 2007

The dilemma of early glaucoma diagnosis

Transient ischemic attack

18. University of California, Berkeley, 2007

Meredith Morgan Symposium

Early glaucoma diagnosis dilemma: Should early diagnosis be followed by treatment?

19. Northern California Optometric Society, Chico, CA 2007

Transient ischemic attack

Early diagnosis dilemma: Should early diagnosis be followed by treatment?

20. American Academy of Optometry, Anaheim, CA, 2008

Vitreous: Friend or Foe?

The dilemma of early glaucoma diagnosis

21. Santa Clara County Optometry Society, 2008

Transient ischemic attack

22. Asian American Optometric Study Group, Berkeley, CA, 2008

Transient ischemic attack

23. University of Alabama, Birmingham, 2009 Primary Eye Care Update

Vitreous: Friend or Foe?

The dilemma of early glaucoma diagnosis Ocular manifestations of systemic disease

24. American Academy of Optometry, Orlando, FL, 2009

Vitreous: Friend or Foe? Angle Closure Glaucoma

25. Kaiser Foundation Optometric Symposium, Anaheim, CA, 2009

Transient ischemic attack

Early glaucoma diagnosis dilemma

26. Santa Clara County Optometric Society, 2009

Ocular manifestations of systemic disease

27. Northern California Optometric Society, Chico, CA, 2009

Vitreous: Friend or Foe?

Ocular manifestations of systemic disease

28. American Academy of Optometry, San Francisco, CA, 2010

Angle closure glaucoma

The art of writing scientific abstracts

The Viagra anterior ischemic optic neuropathy link

29. Alameda Contra Costa County Optometric Society, 2010

Ocular manifestations of systemic disease

30. Alameda Contra Costa County Optometric Society, 2010

Transient ischemic attack

31. Santa Clara County Optometric Society, 2010

Early glaucoma diagnosis dilemma

32. American Academy of Optometry, Boston, MA, 2011

The trabecular meshwork

The art of writing scientific abstracts

33. Wyoming Optometric Association, Cheyenne, WY, 2011

Angle closure glaucoma

The vitreous: Friend or Foe

Ocular manifestations of systemic disease

34. San Francisco Optometric Society, 2011

Challenging cases from SFVA

35. Bay Area Optometric Societies, San Jose, CA, 2011

Tales from the trenches

36. Southeastern Council of Optometrists (SECO), Atlanta, GA, 2012

Talking TIA

The other glaucoma: Angle closure glaucoma

Tales from the trenches

37. American Academy of Optometry, Phoenix, AZ, 2012

The trabecular meshwork

The art of writing scientific abstracts

Identifying glaucoma progression clinically

38. Santa Clara County Optometric Society, 2012

SFVA grand rounds

39. Alameda Contra Costa County Optometric Society, 2012

Angle closure glaucoma

40. American Academy of Optometry, Seattle, WA, 2013

The cupped disc: Differentiating between glaucoma and compressive optic neuropathy

41. Vision Expo East, New York, NY, 2013

Talking TIA

The vitreous: Friend or Foe?

Ocular manifestations of systemic disease

42. Southeastern Council of Optometrists (SECO), Atlanta, GA, 2013

VA eye clinic grand rounds

Current and future trends in AMD

Ocular manifestations of systemic disease

43. Santa Clara County Optometric Society, 2013

Lessons learned as a malpractice consultant

44. Maine Optometric Association, Freeport, ME, 2013

The trabecular meshwork

Lessons learned as a malpractice consultant

Ocular manifestations of systemic disease

Talking TIA

The cupped disc: Differentiating between glaucoma and compressive optic neuropathy

45. Broward County Optometric Association, Ft. Lauderdale, FL, 2014

Ocular manifestations of systemic disease

VA eye clinic grand rounds

46. Vision Expo East, New York, NY, 2014

Retinal manifestations of systemic disease and drugs

Talking TIA

The other glaucoma: Angle closure

47. San Francisco Optometric Society, 2014

Lessons learned as a malpractice consultant

48. American Academy of Optometry, Denver, CO, 2014

Ocular Herpes Management: Beyond HEDS OVS author workshop: Preparing a manuscript

Glaucoma Special Interest Group Roundtable: Angle closure glaucoma

49. Santa Clara County Optometric Society, 2014

Ocular herpes management: Beyond HEDS

50. Redwood Empire Optometric Society, Petaluma, CA, 2015

Ocular herpes management: Beyond HEDS

51. Southeastern Council of Optometrists (SECO), Atlanta, GA, 2015

Talking about TIAs

The other glaucoma: A closer look at angle closure

How to avoid a lawsuit Breakfast with the experts

52. Vision Expo East, New York, NY, 2015

Enlarged optic nerve cupping: Differentiating glaucoma from compressive optic neuropathy

Lessons learned as a malpractice consultant

The other glaucoma: A closer look at angle closure

53. Vision Expo West, Las Vegas, NV, 2015

Enlarged optic nerve cupping: Differentiating glaucoma from compressive optic neuropathy

Lessons learned as a malpractice consultant

The other glaucoma: A closer look at angle closure

54. American Academy of Optometry, New Orleans, LA, 2015

Methicillin Resistant Staph Aureus: Ocular manifestations and clinical management

55. Association of Lease-Holding Lenscrafters Doctors Meeting, Cancun, Mexico, 2015

Methicillin resistant Staph aureus: Ocular manifestations and clinical management Ocular herpes management: Beyond HEDS

56. UC Berkeley Optometry Alumni: 65th Annual Alumni CE Program, Berkeley, CA 2015

Update on the optometric management of angle closure

57. Maine Optometric Association, Freeport, ME, 2015

Methicillin resistant Staph aureus: Ocular manifestations and clinical management

Ocular herpes management: Beyond HEDS

VA Eye Clinic Grand Rounds

Retinal manifestations of system disease and drugs

58. San Mateo County Optometric Association, San Mateo, CA 2015

Methicillin resistant Staph aureus: Ocular manifestations and clinical management

59. Santa Clara County Optometric Society, 2016

Methicillin resistant Staph aureus: Ocular manifestations and clinical management

60. San Francisco Optometric Society, 2016

Methicillin resistant Staph aureus: Ocular manifestations and clinical management

61. UC Berkeley School of Optometry: Sheldon M. Golden Conference, Berkeley, CA

The use of imaging in the diagnosis and management of glaucoma: Where are we?

The use of visual fields in the diagnosis and management of glaucoma: Where are we?

The surgical management of glaucoma: Where are we?

Glaucoma panel discussion

62. East West Eye Conference, Cleveland, OH, 2016

The early glaucoma diagnosis dilemma

Enlarged optic nerve cupping: Differentiating glaucoma from compressive optic neuropathy

The trabecular meshwork: Its role in glaucoma pathogenesis and as a target of therapy

The other glaucoma: A closer look at angle closure glaucoma

Methicillin resistant Staph aureus: Ocular manifestations and clinical management

Ocular herpes management: Beyond HEDS

63. American Academy of Optometry, Anaheim, CA, 2016

Headache disorders that affect the visual system

Essentials of peer-review and constructive criticism

Best practices for getting published

64. Maine Optometric Association, Portland, ME 2016

Headache disorders that affect the visual system

The early glaucoma diagnosis dilemma

VA Eye Clinic Grand Rounds

Retinal manifestations of system disease and drugs

INVITED ACADEMIC LECTURES

1. University of California, Berkeley, 2000

Course: Optometry 106B

Problem based learning facilitator

2. University of California, San Francisco, 2002-Present (Recurring)

Department of Medicine

Differential diagnosis of the acute red eye

Differential diagnosis of painless loss of vision

Slit lamp and direct ophthalmoscopy techniques

3. University of California, Berkeley, 2002-2005

Course: 430

Glaucoma clinical trials: What they tell us

Glaucoma management: A literature driven philosophy Common and uncommon retinal vascular diseases

The pupil: Important clinical indicator

Anterior ischemic optic neuropathy

Macular degeneration basics

Glaucoma medication review

Diabetic retinopathy basics

4. University of California, San Francisco, 2008 Department of Ophthalmology Grand Rounds

Progressive multifocal leukoenchephalopathy

5. University of California, San Francisco, 2012 Department of Ophthalmology Grand Rounds

FAA guidelines on reporting visual dysfunction

6. University of California, San Francisco, 2013 Department of Ophthalmology Grand Rounds

Brimonidine associated uveitis

7. University of California, San Francisco, 2008-Present (Recurring)

Department of Ophthalmology

Fundamentals of Ophthalmology Course

Basic refraction and lensometry

The optics of refraction and retinoscopy

Introduction to rigid gas permeable contact lenses

Introduction to hydrogel contact lenses

Ophthalmic Knowledge Assessment Program (OKAP) Examination Optics Review

8. University of California, Berkeley 2011-Present (Recurring)

Course: 256

Retinal vascular occlusive disease

9. University of California, Berkeley, 2014-Present (Recurring)

Old Week 2014 Graduating Class Final Review

Clinical Advice to Avoid Malpractice

10. University of California, San Francisco, 2014

School of Nursing

Ocular disorders: The red eye

11. University of California, San Francisco, 2016

Department of Ophthalmology Grand Rounds

Topiramate associated ciliochoroidal effusion angle closure

12. University of California, Berkeley, 2016

School of Optometry Grand Rounds

Methicillin resistant Staphylococcus aureus keratitis

PROFESSIONAL ORGANIZATIONS

American Academy of Optometry, Fellow, 2003-Present National Association of VA Optometrists, 2003-Present American Optometric Association; 2001-2009 Optometric Glaucoma Society, 2013-Present

VOLUNTEER ORGANIZATIONS

Project Homeless Veteran Connect, 2008-2010 Volunteer Optometric Service to Humanity, Costa Rica, Brazil, 2000-2003 Oakland Public Schools, Eyeball dissections in high school science curriculum, 1999-2000

OPTOMETRIC LICENSURE

State of Florida, 2001-2015 (#OPC 3605) State of California, 2002-Present (#11996TPLG) State of Idaho, 2015-Present (#ODP-100330)