



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



Continuing Education Course
 Approval Checklist

Title:

Provider Name:

- Completed Application
 - Open to all Optometrists? Yes No
 - Maintain Record Agreement? Yes No
- Correct Application Fee
- Detailed Course Summary
- Detailed Course Outline
- PowerPoint and/or other Presentation Materials
- Advertising (optional)
- CV for EACH Course Instructor
- License Verification for Each Course Instructor
 - Disciplinary History? Yes No



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CONTINUING EDUCATION COURSE APPROVAL APPLICATION

Continuing and Board Use Only			
Receipt #	Payer ID	Beneficiary ID	Amount
1-3323	439594	439594	50

\$50 Mandatory Fee

Pursuant to California Code of Regulations (CCR) § 1536, 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 Visual Fields	Course Presentation Date 05/26/2017
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Course Provider Contact Information

Provider Name Joseph Pruitt Allan (First) (Last) (Middle)		
Provider Mailing Address Street 11980 Mt Vernon Ave. City Grand Terrace State CA Zip 92313		
Provider Email Address pruitjoseph@gmail.com		
Will the proposed course be open to all California licensed optometrists?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> 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?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	

Course Instructor Information

Please provide the information below and attach the curriculum vitae for each instructor or lecturer involved in the course. If there are more instructors in the course, please provide the requested information on a separate sheet of paper.

Instructor Name Joseph Pruitt Allan (First) (Last) (Middle)		
License Number 13429	License Type TLG	
Phone Number (909) 721-7751	Email Address pruitjoseph@gmail.com	

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.


Joseph Pruitt

 Signature of Course Provider

3/13/2017

 Date

Neuroscience: Visual Fields

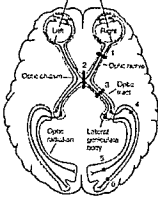


Joseph A. Pruitt, O.D., M.B.A., FFAO
Riverside-San Bernardino County
Indian Health, Inc.

1st Rule of Visual Fields

- Visual field defect = supratentorial level!

Eye
Retina
Optic Nerve
Optic Chiasm
Optic Tract
Thalamus
Optic Radiations
Primary Visual Cortex
Association Cortex



Lingo of Visual Field Defects

Anopsia - field defect

Hemianopsia - half/ hemi field defect

Quadrantanopsia - quarter/ quadrant field defect

Homonymous - Same field defect in both eyes

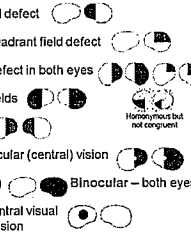
Bitemporal - both temporal fields

Binasal - both nasal fields

Macular sparing - spares macular (central) vision

Monocular - one eye (eyeball)

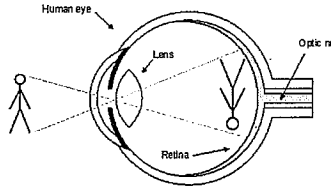
Central scotoma - area of central visual loss surrounded by normal vision



2nd Rule of Visual Fields

- Visual field defect = supratentorial level!
- What's up is down and what's left is right

Image is Reversed on Retina



Human eye

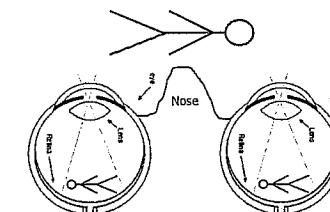
Lens

Optic nerve

Retina

What's up is down...

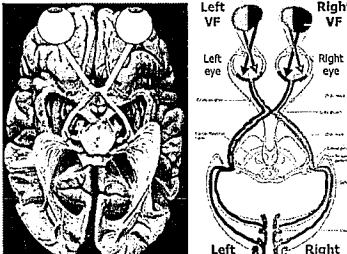
...What's left is right! (or what's nasal is temporal)



Nose

3rd Rule of Visual Fields

- Visual field defect = supratentorial level!
- What's up is down and what's left is right
- Right visual field goes to left occipital lobe
Left visual field goes to right occipital lobe



Left VF

Right VF

Left eye

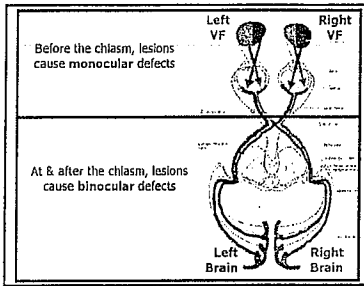
Right eye

Left Brain

Right Brain

4th Rule of Visual Fields

- Visual field defect = supratentorial level!
- What's up is down and what's left is right
- Right visual field goes to left occipital lobe
Left visual field goes to right occipital lobe
- Before the chiasm, lesions cause monocular defects
After the chiasm, lesions cause binocular defects



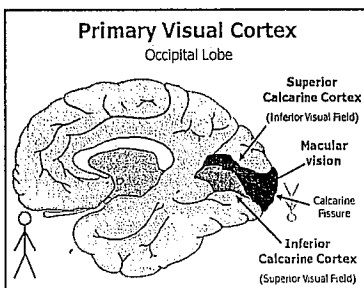
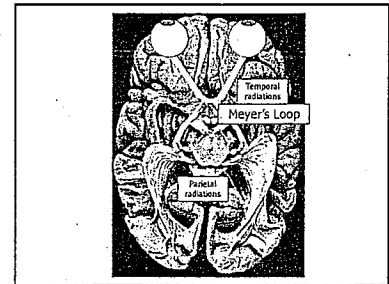
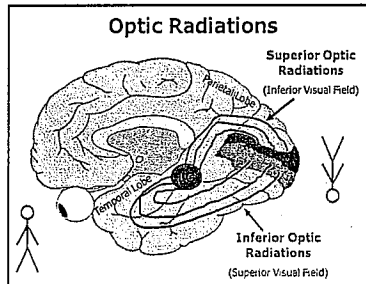
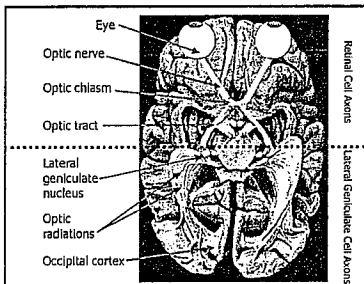
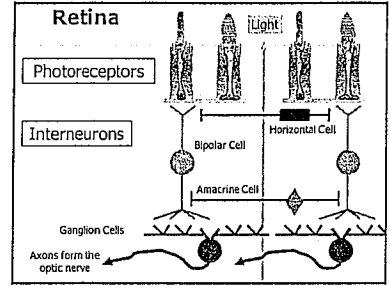
Questions

The optic tracts are made up of axons from which cell?

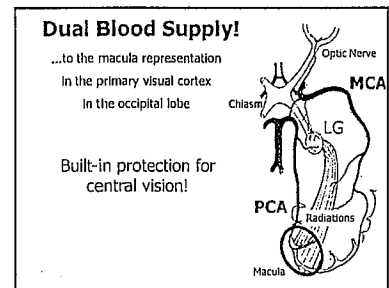
Retinal ganglion cells

The optic radiations are made up of axons from cells located in which structure?

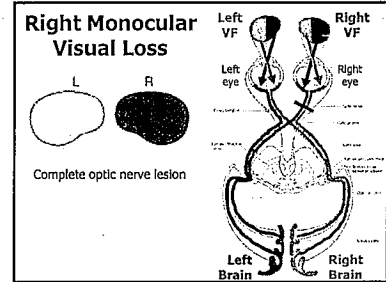
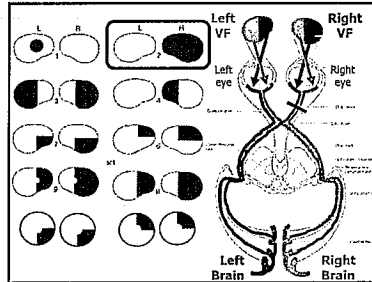
Lateral geniculate nucleus of thalamus



Why is there macular sparing?



Given a Lesion, Try to Predict the Visual Field Defect!

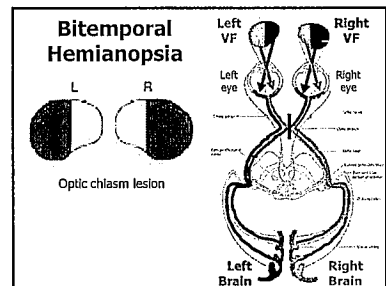
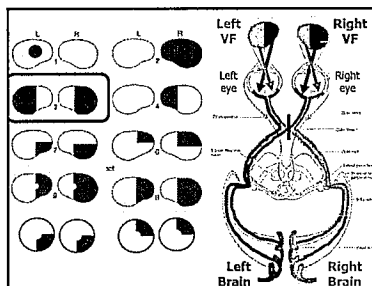
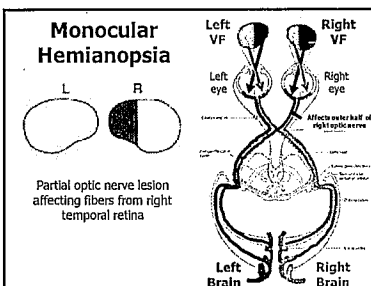
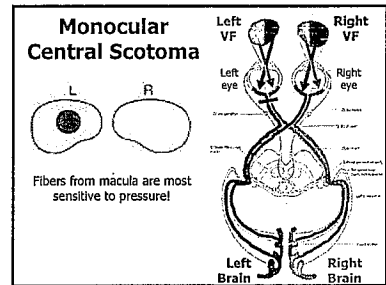
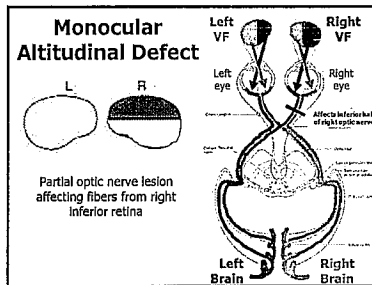


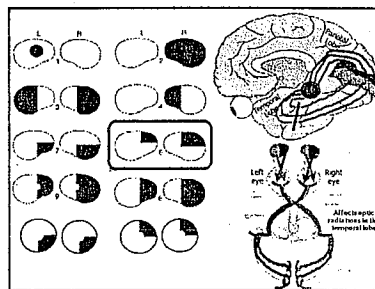
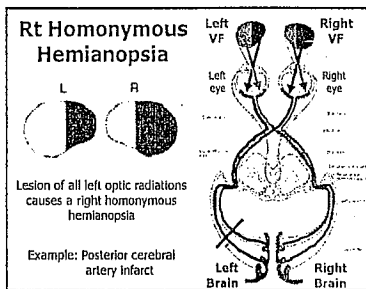
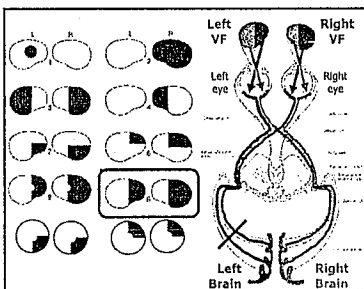
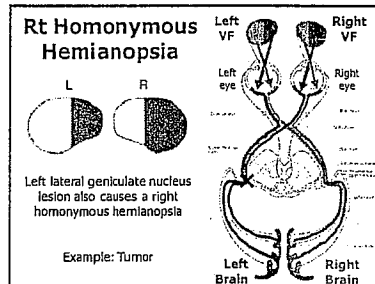
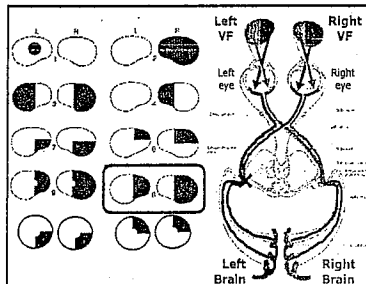
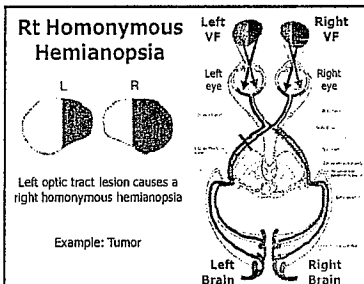
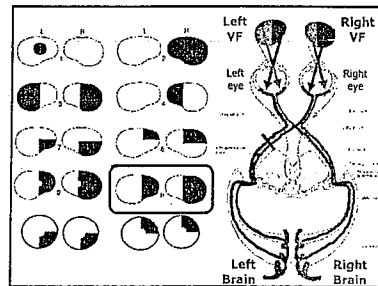
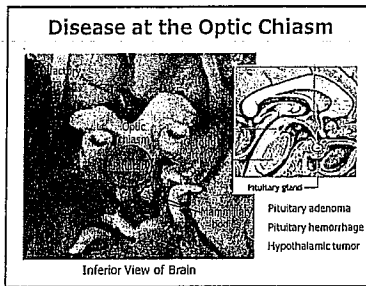
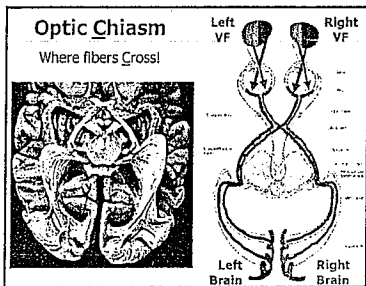
Diseases of Optic Nerve

- Optic neuritis
 - Demyelinating
 - Infectious
 - Inflammatory
- Optic atrophy
- Ischemic optic neuropathy
- Optic glioma or tumor pressing on optic nerve

Right Eye, Left Eye

Left optic nerve is swollen & enhances with contrast = Optic Neuritis





Right Superior Homonymous Quadrantanopsia

Lesion of the left **Inferior** optic radiations (Meyer's loop) causes a right superior homonymous quadrantanopsia

Example: Temporal lobectomy

Superior Homonymous Quadrantanopsia

Sometimes called the "Pie in the Sky" visual field defect

Affects optic radiations in the parietal lobe

Right Inferior Homonymous Quadrantanopsia

Lesion of the left **superior** optic radiations causes a right inferior homonymous quadrantanopsia

Example: Parietal lobe tumor

Affects optic radiations in the parietal lobe

Right Homonymous Hemianopsia with Macular Sparing

Lesion of left occipital cortex causes a right homonymous hemianopsia with macular sparing

Example: PCA Infarct

Affects superior calcarine cortex

Rt Inferior Homonymous Quadrantanopsia + Macular Sparing

Lesion of left superior calcarine cortex causes a right inferior homonymous quadrantanopsia with macular sparing

Affects superior calcarine cortex

Affects inferior calcarine cortex

Rt Superior Homonymous Quadrantanopsia + Macular Sparing

Lesion of left inferior calcarine cortex causes a right superior homonymous quadrantanopsia with macular sparing

Affect to inferior calcarine cortex

Three more fine points...

Lesions of what structures will cause a right homonymous hemianopsia?

Left optic tract
Left lateral geniculate
Left optic radiations (all)

So is there any way to distinguish these?

Congruency!

Degree of symmetry between visual field defects in the two eyes

More congruent = Posterior
Less congruent = Anterior

Example of more congruent homonymous quadrantanopsia

Question

Where in the visual pathway will a lesion NOT affect the pupillary light reflex?

Optic radiations and occipital cortex

Name the structure(s)?

Edinger-Westphal Nucleus/Nuclei

Question

What causes the blind spot?

Optic disc

What might cause the blind spots to become enlarged?

Papilledema

Clinical Correlation:
Practice Cases

Case 1

- A 27-year-old woman experiences visual loss in the left eye that came on over 3 days. This loss of vision is accompanied by pain in the orbit.
- Exam:** Left eye 20/400 acuity, right eye 20/20
Loss of vision in center visual field of left eye only
Optic discs normal bilaterally

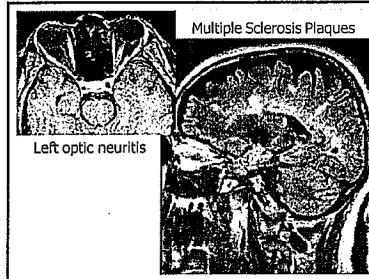
Case 1

- How would you describe this visual field defect?

Left central scotoma

Case 1

- Localize the lesion...
Left optic nerve
- What is the diagnosis?
Left optic neuritis

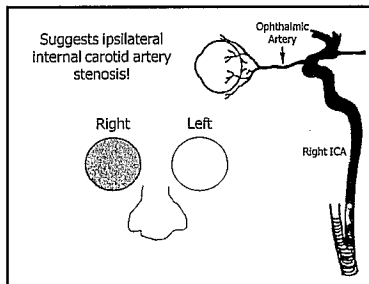


Case 2

- A 76-year-old man with a history of smoking, diabetes, hypertension, and hyperlipidemia presents after an episode of sudden onset right eye visual loss that he described as "like a shade coming down." After 5 minutes, his vision fully returned.
- Exam: Normal visual acuity, visual fields, and optic discs. Left carotid bruit.

Case 2

- What is this phenomenon called?
Amaurosis Fugax
- What structure is ischemic?
Retina
- Which artery is involved?
Ophthalmic Artery



Case 2

- Two months later, the same patient developed sudden right face, arm, and leg weakness with inability to speak more than single words.
- Exam: Right hemiparesis. Unable to name any objects. Follows only very simple commands.

Case 2

- What happened?
Left MCA ischemic stroke

CT MRI

The image shows two brain scans. The left scan is a CT scan showing a wedge-shaped area of hypodensity in the left middle cerebral artery (MCA) territory. The right scan is an MRI scan showing a corresponding area of hyperintensity in the same territory.

Case 2

- What should have been looked for after his episode of visual loss?
Ipsilateral carotid artery stenosis

External carotid artery

Internal carotid artery

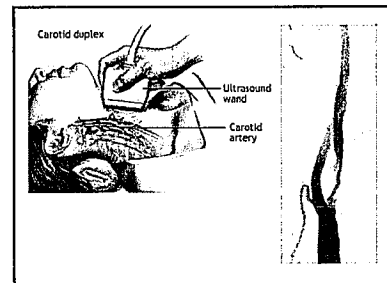
Embolus

Ulcer

Plaque

Common carotid artery

The diagram shows the carotid arteries. The internal carotid artery is shown with a narrowing (stenosis) and a plaque. An embolus is shown being dislodged from the stenosis. The external carotid artery and common carotid artery are also labeled.

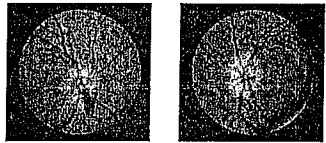


Case 3

- A 15-year-old boy with a history of hydrocephalus treated with a Ventriculoperitoneal (VP) shunt presents with gradually worsening headache. The headache awakens him at night, is associated with nausea, vomiting, and worsens with cough or strain.
- Exam: Visual acuity and visual fields are normal. Pupillary light response normal.

Case 3

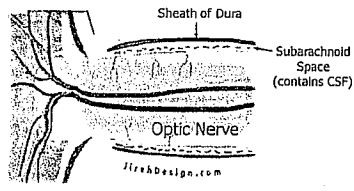
- How would you describe his funduscopic exam?



Right Eye Left Eye

Bilateral Papilledema

Papilledema




Sheath of Dura
Subarachnoid Space (contains CSF)
Optic Nerve
JlrehDesign.com

Transmission of increased intracranial pressure along the optic nerve causes swelling of optic disc

Case 3

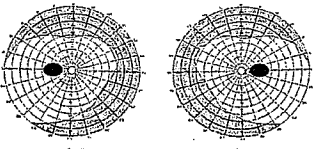
- What might you see on head imaging?



Hydrocephalus

Case 3

- What type of visual field defect might you find?



Left Eye Right Eye

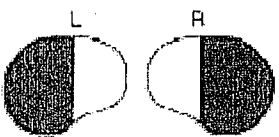
Enlarged Blind Spots

Case 4

- A 28-year-old woman experiences a sudden, severe headache with visual blurring while giving birth to a baby boy.
- Exam: Normal except for visual fields...

Case 4


- What is this visual field defect called?



Bitemporal hemianopsia

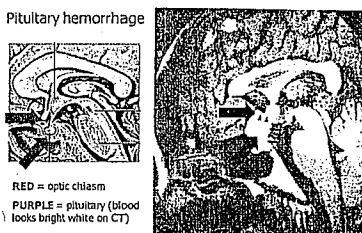
Case 4

- Where is the lesion?
Optic chiasm
- What adjacent structure can compress the optic chiasm?
Pituitary gland
- The sudden-onset of her symptoms suggests...
...a vascular cause



Case 4

Pituitary hemorrhage



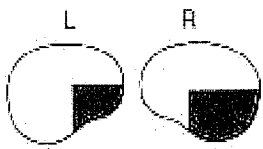
RED = optic chiasm
PURPLE = pituitary (blood looks bright white on CT)

Case 5

- A 45-year-old man presents with a 2-week history of progressive headache, fever, right-sided weakness, and difficulty reading.
- Exam: Right face, arm, and leg weakness
Normal vision acuity and ocular health

Case 5

- What is this visual field defect called?

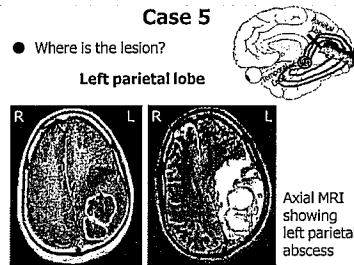


Right inferior quadrantanopsia

Case 5

- Where is the lesion?

Left parietal lobe



Axial MRI showing left parietal abscess

Case 5

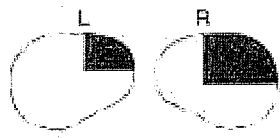
- Why is there difficulty reading?
- We read from left → right

Case 6

- A 35-year-old woman presents with a 6-week history of spells characterized by staring off, lip smacking, & picking movements of the hands. They last about 2 minutes and afterwards she is tired. Recently, there has also been some mild changes in her memory and blurred vision.
- Exam: Normal except for visual fields...

Case 6

- What is this visual field defect called?

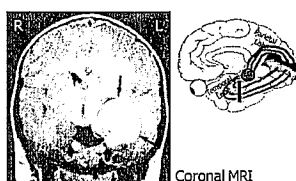


Right superior quadrantanopsia

Case 6

- Where is the lesion?

Left temporal lobe



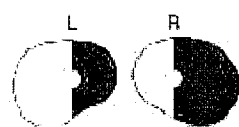
Coronal MRI

Case 6

- A 58-year-old man awakens with an occipital headache and notes problems reading the right side of the newspaper.
- Exam: Normal except for visual fields...

Case 6

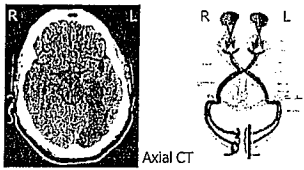
- What is this visual field defect called?



Right homonymous hemianopsia with macular sparing

Case 6

- Where is the lesion?
Left occipital lobe

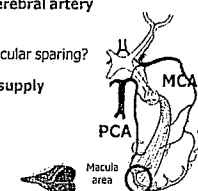


● Axial CT

The image contains two parts: on the left, an axial CT scan of the brain showing a hypodense area in the left occipital lobe; on the right, a schematic diagram of the brain with 'R' and 'L' markers indicating the right and left hemispheres, and a vertical line indicating the level of the CT scan.

Case 6

- What artery is involved?
Posterior cerebral artery
- Why is there macular sparing?
Dual blood supply



● Macula area

The diagram shows the posterior cerebral artery (PCA) and its branches, including the middle cerebral artery (MCA). A small inset shows a macula area with a central spot and surrounding ring.

Joseph A. Pruitt, O.D., M.B.A., FAAO

Objective:

Education:

Nova Southeastern University, Fort Lauderdale-Davie, Florida Master of Business Administration, 2011	2008-2011
West Los Angeles Veteran Affairs Healthcare Center, Los Angeles, California Residency Certificate, Geriatric/Primary Care, 2008	2007-2008
Illinois College of Optometry, Chicago, Illinois Doctor of Optometry, 2007	2003-2007
California State Polytechnic University, Pomona, California Bachelor of Science, Biology, 2003	2000-2003
University of Memphis, Memphis, Tennessee Major in Biology	1999-2000

Licenses:

Tennessee #2753 • Active • Injectable Certification • Therapeutic Certification	Date of Issue: July 10, 2007
California #13429T • Active • Therapeutic and Pharmaceutical Agent + Lacrimal Irrigation and Dilation + Glaucoma (TLG) Certified	Date of Issue: Sept. 28, 2007
Georgia #OPT002454 • Active • Diagnostic and Therapeutic Pharmaceutical Agent Certified	Date of Issue: June 12, 2008
Minnesota #3130 • Active • Diagnostic Pharmaceutical Agent (DPA) Certified • Therapeutic Pharmaceutical Agent (TPA) Certified	Date of Issue: June 17, 2008

Board Certification:

American Board of Certification in Medical Optometry • Board certified	Date of recertification: Feb 2018
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Certifications:

Drug Enforcement Agency (DEA) Certified	Date of Expiration: Mar 2020
Cardiopulmonary Resuscitation (CPR) & Automated External Defibrillator (AED)	Recommended Renewal: Mar 2017
Bausch & Lomb Overnight Orthokeratology • Certification Number: 20060406002	Date of Issue/Completion: April 6, 2006

Paragon Corneal Refractive Therapy (CRT)

Date of Issue/Completion: Dec. 28, 2007

- Certification Number: 161000

Advance Competence in Medical Optometry (ACMO)

Date Taken: June 13, 2008

- Administered by the National Board of Examiners in Optometry (NBEO)
- Examination only made available to candidates meeting specific clinical experience requirements/pre-requisites
- Passed examination

Employment:

Riverside San Bernardino County Indian Health, Inc (RSBCIHI) <ul style="list-style-type: none">• Director of Eye Care• Staff Optometrist	Oct. 2014- present
Riverside San Bernardino County Indian Health, Inc (RSBCIHI) <ul style="list-style-type: none">• Staff Optometrist	July 2014- Oct. 2014
Minneapolis Veteran Affairs Health Care System <ul style="list-style-type: none">• Low Vision/Staff Optometrist• Optometric Residency Coordinator<ul style="list-style-type: none">◦ Spearheaded and implemented program• Student Externship Coordinator<ul style="list-style-type: none">◦ Spearheaded and implemented program	Nov 2008- June 2014
Wal-Mart Vision Center (Red Wing & Rochester, MN) <ul style="list-style-type: none">• Associate Optometrist	Jul 2008- Nov 2008
EyExam of California <ul style="list-style-type: none">• On-call/Fill-in Optometrist	Oct 2007- June 2008

Faculty Appointments:

Western University of Health Science / College of Optometry, Pomona, California <ul style="list-style-type: none">• Clinical Assistant Professor of Optometry• RSBCIHI Externship Site Program Director<ul style="list-style-type: none">◦ As part of being RSBCIHI Eye Care Director	Jan 2015 - present
University of the Incarnate Word-Rosenberg School of Optometry, San Antonio, Texas <ul style="list-style-type: none">• Clinical Assistant Professor• Minneapolis VA HCS Externship Site Program Director	May 2012- June 2014
Midwestern University-Arizona College of Optometry, Glendale, Arizona <ul style="list-style-type: none">• Adjunct Clinical Assistant Professor• Minneapolis VA HCS Externship Site Program Director	May 2012- June 2014
Southern College of Optometry, Memphis, Tennessee <ul style="list-style-type: none">• Adjunct Faculty• Minneapolis VA HCS Externship Site Program Director	Dec 2010- June 2014
University of Missouri, St. Louis College of Optometry, St. Louis, Missouri <ul style="list-style-type: none">• Adjunct Assistant Professor• Minneapolis VA HCS Externship Site Program Director	Jul 2009- June 2014

Experience:

Riverside-San Bernardino Indian Health, Inc <ul style="list-style-type: none">• Director of Eye Care<ul style="list-style-type: none">◦ Oversee all organizational Eye Care activities	Oct 2014 - present
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- Staff Optometrist

Riverside-San Bernardino Indian Health, Inc

Jul 2014 – Oct 2014

- Staff Optometrist

Minneapolis Veteran Affairs Medical Center

Nov 2008- June 2014

- Staff Optometrist
 - Primary Eye Care
 - Low Vision
 - Sole low vision eye care provider
 - Polytrauma/Traumatic Brain Injury (TBI) Ocular Health & Vision Assessments
- VISN 23 Low Vision Continuum of Care Conference (May 2009)
 - Faculty
 - Planning committee
- Established Associated Health Education Affiliation Agreement with University of Missouri, St. Louis College of Optometry, Ferris State University Michigan College of Optometry, & Southern College of Optometry for the optometric externship program
 - Externship program director
- Established Associated Health Education Affiliation Agreement with the Illinois College of Optometry for the optometry residency program
 - Residency in Primary Care/Brain Injury and Vision Rehabilitation
 - Residency program director
 - Designed the program's curriculum
 - Secured all necessary approvals and funding
 - After the initial site visit, program received full ACOE accreditation

Wal-Mart Vision Center (Red Wing & Rochester, MN)

Jul 2008- Nov 2008

- Associate Optometrist

Residency:

West Los Angeles Veteran Affairs Healthcare Center

Jul 2007- June 2008

- Geriatrics/Primary Care
 - Primary Care including Diabetic exams
 - Low Vision evaluations/exams
 - Nursing home/in-patient exams
 - Medically justified specialty contact lenses exams/ fittings
 - Lecture Internal Medicine's and Endocrinology's Residents & Interns on Diabetic Retinopathy
 - Given during Chief Resident rotation
 - Precept Southern California College of Optometry's interns

Optometric Externships:

Atlantic Eye Institute, Jacksonville Beach, FL

Feb-May 2007

- OD/MD private practice with an emphasis on Contact Lenses and Primary Care
- Observed multiple surgical procedures:
 - Cataract Extraction
 - Blepharoplasty
 - Strabismus recession and resection

Memphis Veterans Affairs Medical Center (VAMC), Memphis, TN

Nov 2006-Feb 2007

- Emphasis on Primary Care
- Assisted in direct care in a high patient volume

- medical optometric eye clinic
- Assisted in optometric injections and fluorescence angiographies procedures

Illinois Eye Institute (IEI), Chicago, IL

Aug-Nov 2006

- Emphasis on Pediatrics/Binocular Vision, Advance Care, and Low Vision
- Performed comprehensive eye exams on pediatric patients (infants-11yrs of age)
- Performed comprehensive eye exams on "at risk/2nd chance" children one day a week at Maryville Academy
- Constructed, tailored and performed successful binocular vision/vision therapy treatments to 4 children over a 10 week period
- Assisted in the treatment of advance glaucoma with attending University of Chicago ophthalmologist
- Performed problem specific examinations one day per week in IEI's Emergency/Urgent Care/Walk-in clinic
- Performed full Low Vision examinations including Low Vision device selection and training

Body of Christ Optometry Clinic, Tegucigalpa, Honduras

May-Aug 2006

- Emphasis on Primary and Advance Care
- Performed full-scope optometric care in a high patient volume medical clinic geared towards the underprivileged
- Also worked closely with a local ophthalmologist
 - Observed and assisted in Cataract Extraction and Incision and Curettage procedures
 - Provided pre and post-surgical care

Primary Care Clinical Education

Illinois Eye Institute, Chicago, IL

Aug 2005-May 2006

Volunteer Optometric Assistant

Body of Christ Optometry Clinic, Tegucigalpa, Honduras

Jun-Aug 2004

- Assisted staff optometrist in direct patient care in the clinic and multiple remote satellite outreach locations

Professional Affiliations/Memberships:

- Accreditation Council on Optometric Education
 - Consultant, 2014-present
- American Academy of Optometry (AAO)
 - Fellow; Class of 2009
- American Optometric Association (AOA)
- Armed Forces Optometric Society (AFOS)
- European Academy of Optometry and Optics (EAOO)
 - Candidate for Fellowship
- Fellowship of Christian Optometrists (FCO)
- Minneapolis VAMC Medical Staff Association
 - Steering Committee, member 2010-2014
- National Association of Veteran Affairs Optometrists (NAVAO)
 - Newsletter Committee, member 2010-2014
- National Optometric Association (NOA)
 - Minnesota's NOA State Representative 2010-2012
 - National Optometric Student Association (NOSA)
 - NOSA National Vice-President: 2006-2007
 - NOSA-ICO President: 2005-2006
 - NOSA-ICO Vice-President: 2004-2005

- Volunteer Optometric Service to Humanity (VOSH)
- Journal of Rehabilitation Research and Development
 - Peer Reviewer, 2013-2014

Activities:

- VOSH Medical Mission Trip, Bamenda, Cameroon (May 2010)
- Mayo Medical School/Brighter Tomorrow's Winter Warmth Festival (Jan 2009 & Jan 2010)
 - Fun day of activities for children battling cancer and their families
 - Volunteer
- Veteran Affairs Disaster Emergency Medical Personnel System (DEMPS)
 - Volunteer (Aug 2009-present)
- FCO Optometry Mission Trip, Port Au Prince, Haiti (Feb 2007)
- SVOSH Medical Mission Trip, Addis Addaba, Ethiopia (Mar-Apr 2006)
- FCO Optometry Mission Trip, Tegucigalpa, Honduras (Apr 2003 & Nov 2004)

Honors/Rewards:

- Recognition of Excellence in Teaching as Clinical Assistant Professor, Western University Health Sciences/College of Optometry (2015-2016 Academic Year)
- Nomination for Medical Staff Clinical Excellence Award (2012 & 2013)
- Recognition for Outstanding Dedication and Service as Adjunct Assistant Professor, University of Missouri – St. Louis (2010-2011 Academic Year)
- Journal of the American Optometric Association: Optometry's Eagle Award (Nov 2010)
- Certificate of Appreciation (July 2009)
 - Department of Veterans Affairs – VISN 23
 - Awarded for participation in VISN 23 Blind and Low Vision Continuum of Care Conference
- Recognition for Clinical Excellence (May 2007)
- Derald Taylor Low Vision Award (May 2007)
- Clinical Dean's List (summer 2005; summer & fall 2006, winter & spring 2007)
- Academic Dean's List (fall 2004)
- Wildermuth Leadership Award/Scholarship (Aug 2006)
- Vistakon Acuvue Eye Health Advisor Citizenship Scholarship (Jan 2006)
- NOSA Service Award/Scholarship (Aug 2004)

Publications:

Pruitt JA. *The Management of Homonymous Hemianopsia Secondary to Hemispheric Ischemic Cerebral Vascular Accident. Accepted for publication by Review Optometry (July 2010).*

Rittenbach TL, Pruitt JA. A Roundup of Recently Approved Ophthalmic Drugs (and their Use in Practice.) *Rev Optom.* 2014. 151(2):22-28.

Pruitt JA. Management strategies for patients with AION. *Rev Optom.* 2011. 148(6):57-65.

Pruitt JA. Neuro-Optometric Rehabilitation Association Program Summary. *Optimum VA: The Official Newsletter of the National Association of VA Optometrists Summer 2010.*

Pruitt JA, Ilsen P. On the frontline: What an optometrist needs to know about myasthenia gravis. *Optometry* 81(9): 454-460.

Pruitt JA, Sokol T, Maino D. Fragile X Syndrome and the Fragile X-associated Tremor/Ataxia Syndrome. *Eye Care Review: Ophthalmology, Optometry, Opticianry* 4(2): 17-23

Posters/Presentations

Pruitt JA. The Curious Case of the Functionally Legally Blind Patient with 20/25 (6/7.5) Visual Acuity. *Accepted into American Optometric Association Annual Meeting: Optometry's Meeting (2012) Poster Session.*

Pruitt JA, Prussing N. Successfully Treated Horizontal Diplopia Returns with Subsequent Traumatic Brain Injury. *Accepted into American Optometric Association Annual Meeting: Optometry's Meeting (2012) Poster Session.*

Pruitt JA, Prussing N. The Curious Case of the Functionally Legally Blind Patient with 20/25 (6/7.5) Visual Acuity. *European Academy of Optometry and Optics Annual Meeting (2012) Poster Session.*

Pruitt JA, Prussing N. Successfully Treated Horizontal Diplopia Returns with Subsequent Traumatic Brain Injury. *European Academy of Optometry and Optics Annual Meeting (2012) Case Presentation Session.*

Pruitt JA, Prussing N. Traumatic Brain Injury Resulting in Horizontal Diplopia Resolved 5 Years Later with 12 Weeks of Vision Therapy. *Minnesota Optometric Association Annual Meeting (2012) Poster Session.*

Pruitt JA, Wiley LM. Overcoming Mental Barriers in Visual Rehabilitation. *American Optometric Association Annual Meeting: Optometry's Meeting (2011) Poster Session.*

Pruitt JA, Prussing N. Traumatic Brain Injury Resulting in Horizontal Diplopia Resolved 5 Years Later with 12 Weeks of Vision Therapy. *European Academy of Optometry and Optics Annual Meeting (2011) Poster Session.*

Pruitt JA. Overcoming Mental Barriers in Visual Rehabilitation. *European Academy of Optometry and Optics Annual Meeting (2011) Case Presentation Session.*

Pruitt JA, Wiley LM. Overcoming Mental Barriers in Visual Rehabilitation. *Minnesota Optometric Association Annual Meeting's (2011) Poster Session*

Pruitt JA, Ilsen P, Yeung C. Ptosis Crutch: Success Treating Myogenic Ptosis Secondary to Myasthenia Gravis. *American Optometric Association (AOA) 2008 Optometry Meeting Poster Session*

Pruitt JA, Ilsen P. Ptosis Crutch: Success Treating Myogenic Ptosis Secondary To Myasthenia Gravis. *Southeastern Congress of Optometry (SECO) 2008 Multimedia Poster Session*

Lectures and Other:

Riverside-San Bernardino County Indian Health, Inc.: Eye Care Rounds (Nov 2016)

- Ptosis Crutch: Success Treating Myogenic Ptosis Secondary to Myasthenia Gravis
- CA Board of Optometry-approved CE

Riverside-San Bernardino County Indian Health, Inc.: Eye Care Rounds (Sept 2016)

- Visual Fields
- CA Board of Optometry-approved CE

Riverside-San Bernardino County Indian Health, Inc.: Eye Care Rounds (July 2016)

- Ethical Concerns with Short-term Mission Trips
- CA Board of Optometry-approved CE

Riverside-San Bernardino County Indian Health, Inc.: Eye Care Rounds (July 2016)

- Systemic Urgencies and Emergencies
- CA Board of Optometry-approved CE

Riverside-San Bernardino County Indian Health, Inc.: Eye Care Rounds (Mar 2016)

- Episcleritis, Scleritis, and Iritis
- CA Board of Optometry-approved CE

Illinois College of Optometry: Practice Opportunities Symposium (Mar 2011)

- Represented and presented on VA Optometry
- Participated in panel discussion on "Residency-trained Optometrists"

University of Minnesota: Pre-Optometry Club (Oct. 2010)

- Presentation on the profession of Optometry
- Presented and represented VA Optometry and NOA

Illinois College of Optometry: Capstone Ceremony (May 2010)

- Represented and presented on VA Optometry

Illinois College of Optometry: Practice Opportunities Symposium (Mar 2010)

- Participant in Residency-trained Speaker's Panel
- Represented and presented on VA Optometry

Illinois College of Optometry: White Coat Ceremony/Smart Business Program (Sept 2009)

- Participant on Recent Graduate Speaker's Panel