

CURRICULUM VITAE

LEO PAUL SEMES, O.D.

Citizenship: USA

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EDUCATION

Undergraduate St. Francis College, Loretto, PA
B.S. (Chemistry)

Graduate University of Delaware, Newark, DE
Major: Chemistry (Analytical)

Professional Pennsylvania College of Optometry
Philadelphia, PA
B.S.
O.D.
Residency (Certificate): The Eye institute of PCO.

Board Certification Medical Optometry, American Board of Certification in
Medical Optometry February 1, 2011

AWARDS AND HONORS

Friends of St. Francis College Scholarship – 1966

Alumni Association Award for Academic Excellence Pennsylvania College of
Optometry (Honorable Mention) - 1978

Member Beta Sigma Kappa, International Optometric Honor Fraternity, 1975 to
date; Eta Chapter Vice President -1978

Outstanding Young Americans - 1983

Spurgeon Eure Award, Southern Council of Optometrists - 1990

Excellence in Clinical Teaching, AOSA - 1990

Education Award - Maryland Optometric Association - 1991

Excellence in Clinical Teaching, AOSA – 1992

Excellence in Classroom Teaching AOSA – 1993

UAB President's Award for Teaching Excellence – 1994

Best Paper of 1994. Presented by the Prentice Society.

Fellow, American Academy of Optometry - 1982 to date.

Who's Who in the South and Southeast - 1987 to date

Named to Who's Who in the 21st Century 2000

Fellow, American College of Optometry Physicians 1988 to date

2000 Outstanding Intellectuals of the 21st Century, 2001

Selected for inclusion in Who's Who in Health Sciences Higher Education.
February 2005.

Admitted as a Distinguished Practitioner to the National Academies of Practice in
Optometry. August, 2006

Selected for inclusion in Who's Who in America 2009

Nominated by the UAB School of Optometry for the Ellen Gregg Ingalls/UAB
National Alumni Society Award for Lifetime Achievement in Teaching. 2015.

Alabama Optometric Association Educator of the Year 2015.

Dean's Distinguished Service Award 2016 (Third recipient in the history of the
School)

PROFESSIONAL MEMBERSHIPS AND LICENSES

American Optometric Association

Southern Council of Optometrists

Fellow, American Academy of Optometry, 1982

Licensed to practice optometry in Alabama (S-575 / T-121), Colorado (1011);
Pennsylvania (5421-P; inactive).

Association of Optometric Educators
National Post Graduate Education Committee 1986 – date
National Academies of Practice 2006
Optometric Glaucoma Society (founding member) 2002 – date
Secretary 2012-date
Optometric Retina Society (founding fellow) 2003 - date

EXPERIENCE

Military Service

Honorable Discharge, United States Navy - 1970

Professional

Chemistry

Forensic Chemist - State of Delaware, Office of the Chief Medical Examiner, Forensic Sciences Laboratory, Wilmington - 1971-1974 (Developed a procedure of gas chromatographic analysis of blood for alcohol). Supervisor: Leonard R. Bednarczyk, Ph.D., Chief Toxicologist

Analytical Chemist - National Medical Services Willow Grove, PA - Summers 1975, 1976 (Developed a spectrophotometric analysis procedure for quantization of acetylsalicylic acid in human serum).

Supervisor: Fredric Rieders, Ph.D.

Academic

Chemistry

Graduate Teaching Assistantship
University of Delaware, Newark, Delaware,
Department of Chemistry -1970-1971

Optometry

Fellowship in Primary Care Optometry at
The Eye Institute of the Pennsylvania College of
Optometry, Philadelphia, PA -Clinical Staff Opto-
metrist. Optometry interests include Primary Care
and Retina.

Supervisors: Edward A. Deglin, M.D.,
Thomas L. Lewis, O.D., Ph.D., Jeffery S. Nyman,
O.D., Joseph C. Toland, M.D., Christopher A.
Weidig, O.D.

Instructor in Optometry at the UAB School of Optometry, The Medical Center, Birmingham. August, 1979 to October, 1980.

Assistant Professor, October, 1980 to 1983.

Associate Professor, Tenured October, 1983.
Professor, 2007 – 2017
Professor Emeritus of Optometry and Vision Science 2018

COURSES TAUGHT at UAB School of Optometry

Fall Quarter, 1979

Advanced Clinical Topics Laboratory

Winter Quarter, 1979-1980

Advanced Clinical Topics Laboratory

Spring Quarter, 1980; Fall, 1980

Clinical Evaluation of the Visual System
Lecture and Laboratory

Coordinator, C.E.V.S. Winter Quarter 1980-81 to 1989.

Ocular Disease Course (Winter 1980-81): The Vitreous; Tumors of the Eye and Orbit.

Ocular Disease Course (Spring 1981): The Peripheral Retina.

Coursemaster, Clinical Examination of the Visual System , 1981-82 academic years to 1992.

Clinical Management in Vision Care (Winter Quarter 1981- to date; Winter Quarter 1984-85) "Diagnosis and Management of Lacrimal Drainage System Problems" "Scleral Indentation"

Clinical Management Laboratory (Winter 1982-83; Winter 1983-84; Winter 1984-85).

Ocular Disease (Winter Quarter 1981-82) "Tumors of the Eye and Orbit" "Corneal Abnormalities" "Scleritis and Episcleritis"

Ocular Disease (Spring Quarter 1982) "The Vitreous" "Diseases of the Peripheral Retina" "Pigmented Lesions of the Retina and Choroid"

Ocular Disease (Winter Quarter 1982): Five lectures - The Vitreous, Peripheral Retina, Pigmented Fundus Lesions.

Ocular Disease (Spring Quarter 1983): Ocular Tumors, Scleritis and Episcleritis.

Ocular Disease (Winter 1983-84, Winter 1984-85): The Vitreous, Peripheral Retina Diseases; (Spring 1984-85): Ocular Tumors.

Ocular Disease (Winter 1985-86): The Vitreous, Peripheral Retina Diseases; (Spring 1985-86): Ocular Tumors

Colloquia 1 quarter hour (1989-1993)

Clinical Management in Vision Care 4 quarter hours (1988-1995)

Diseases of the Posterior Segment: (4 lecture hours) 1996-2000
Disorders of the Vitreous
Peripheral retina

Glaucoma (4 lecture hours) 1996-2001
Evaluation of the optic nerve
Visual Fields in Glaucoma

Ocular Oncology 1 quarter hour (1990-1996)

Residency Conference (1980-date)

Grand Rounds 1 quarter hour (1991-1995)

Coursemaster: Diseases of the Posterior Segment 4 quarter hours (2000- 2009)

Coursemaster: Glaucoma 2 quarter hours 2001-2009

Clinical assignment:
Ocular Disease

Current Coursemaster (2010 – 2016):
OPT 225 – Diseases of the Posterior Segment (3 credit hours)

OPT 316 – Glaucoma (2 credit hours)

Guest Lectures at UAB

Block IV Optometry students I (Fall) Anterior Optic Nerve and Glaucoma, October 18, 2008 (Dr. Laura Cotlin Coursemaster) 1 hour.

Coursematsters 2009 – date: Drs. Robert Rutstein and Thomas Norton

BaSCO (UABSO) Case presentations of visual field abnormalities that are neurologically induced. (with Dr. Lei Liu) 1 hour (2009, 2010, 2011)

BaSCO (UABSO) Introduction to glaucoma. 1 hour (2008)

BaSCO (UABSO) Carotid blood supply to the eye. 1 hour (2008, 2009)

BaSCO: Clinical case presentations related to gross anatomy (1 hour 2010)

BaSCO: Cardiovascular disease and the eye: case presentations (1 hour 2010)

Winter CEVS II(2005-date)

Binocular Indirect Ophthalmoscopy(2 hours)

Spring Cornea and External Disease: ((2000-2009)

Intraocular Neoplasia (2 lecture hours)

Spring Clinicolegal Aspects of Optometry (2011 -

Duty to diagnose and treat glaucoma

Duty to Detect Retinal Detachment

Courses Taught Elsewhere

Emergency Medicine Residency Program (UA School Of Medicine)

Anterior Segment Urgent Care 2002

Invited Lecturer – University of New South Wales, NSW, Australia for OPTM 7302 (a post-graduate course leading to the MS degree in Optometry) – December 2004

Invited Lecturer – University of New South Wales, Sydney, NSW, Australia for OPTM 7213, Ocular Therapy 1 (a post-graduate course leading to the MS degree in Optometry) – November 2006 (12 hours lecture on ocular disease topics)

Invited Lecturer - University of New South Wales, Sydney, NSW, Australia for OPTM 7513, Ocular Therapy 3 (a post-graduate course leading to the MS degree

in Optometry) – November 2008, 2009, 2010 (14 hours lecture on ocular disease topics)

Invited Lecturer – The Ohio State University College of Optometry
NSAIDs – 1 hour guest lecture (Optometry 682 G. Nixon, OD, MS, Coursemaster; Clinical ocular pharmacology) July 2010

Invited Lecturer – Grand Rounds Geisinger Medical Center Department of Ophthalmology (2 hour presentation) September 2010

Invited Lecturer Howard Hughes Medical Program: Age-related Macular Degeneration: Clinical Aspects. July 2010

Invited Contributor – International Center for Eyecare Education
“Glaucoma – Intraocular pressure and Pachymetry” **Monograph**
Invited Lecturer - University of New South Wales, Sydney, NSW, Australia for OPTM 7513, Ocular Therapy 3 (a post-graduate course leading to the MS degree in Optometry) – July, August 2011 (14 hours lecture on ocular disease topics). Sydney, Adelaide and Perth Australia.

Invited Lecturer - University of New South Wales, Sydney, NSW, Australia for OPTM 7513, Ocular Therapy 3 (a post-graduate course leading to the MS degree in Optometry) – July, 2012 (14 hours lecture on ocular disease topics). Sydney, Adelaide and Perth Australia.

Invited Lecturer - University of New South Wales, Sydney, NSW, Australia for OPTM 7513, Ocular Therapy 3 (a post-graduate course leading to the MS degree in Optometry) – August, 2013 (14 hours lecture on ocular disease topics). Sydney and Perth Australia.

SCIENTIFIC PUBLICATIONS and ABSTRACTS

1. Semes L: Retinal hole in a blunt trauma victim. Rev Optom May 1980; 117(5).
2. Potter JW, Semes L and Thallmer JT: A case in point: Prepapillary glial ring in the diagnosis of posterior vitreous detachment. J Am Optom Assoc Aug. 1981; 52:663-5.
3. Molinari JF, Semes L: Inter-observer variability in the measurement of center thickness of aphakia-correcting soft lenses. C.L. Jour (Eng) 1981; 10(5):3-7.

4. Molinari JF, Semes L: Reliability and validity of labeled parameters of aphakia-correcting soft contact lenses. *Am J Optom Physiol Opt* Aug 1982; 59(8):680-5.
5. Semes LP, Bartlett JD: Mydriatic effectiveness of hydroxyamphetamine. *J Am Optom Assoc* Nov. 1982; 53(11):899-904.
6. Galkin KA, Semes L: Risk of loss of Soflens® during water skiing. *J Am Optom Assoc* 1983; 54(3):267-9.
7. Semes L: Learning to position a condensing lens. *South J Optom* 1983; 1(8):22-3.
8. Semes LP, Amos JF: Idiopathic cysts of the anterior uvea. *Am J Optom Physiol Opt* 1984; 61(5):327-33.
9. Semes L, Thurschwell LM: Choosing an inexpensive camera system for ocular documentation. *South J Optom* 1984; 2(1):27-34.
10. Murphy RM, Semes L. Retinal white without pressure. *Optom Mon* 1984; (11):441-4.
11. Potter JW, Semes LP. Hemorrhagic detachment of the peripheral retinal pigment epithelium. *Am J Optom and Physiol Opt* 1985; 62(3):161-4.
12. Horton R, Potter JW, Semes LP. Significance of splinter hemorrhages in posterior vitreous detachment. *J Am Optom Assoc* 1985; 56(12).
13. Semes L, Melore GG. Dilation and diagnostic irrigation of the lacrimal drainage system. *J Am Optom Assoc* 1986; 57(7):518-25.
14. Cavallerano A, Semes. How to Perform Scleral Indentation. *Rev Optom* 1986; (Nov):51-9.
15. Semes L. Book Review. Radial Keratotomy. *J Optom Ed* 1986.
16. Semes L. Abstract. Khan JA, Fitz J, Psaltis P, Ide CH. Prolonged complementary chromatopsia in users of video display terminals. *Am J Ophth* 1984, 98:756-8; *J Am Optom Assoc* 1986, 57:150.
17. Semes L, Gold A. Clinical and Legal Considerations in the Diagnosis and Management of Ocular Tumors. *J Am Optom Assoc* 1987; 58(2):134-9.
18. Semes L. Sunlight: Damages Our Eyes. Better Health (UAB Medical Center Newsletter); June, 1987.

19. Semes L. Book Review. The Fundus Periphery. J Am Optom Assoc 1987; 58:772.
20. Potter JW, Cavallerano AA, Garston MJ, Semes LP. The history of binocular indirect ophthalmoscopy. In: Potter JW, Semes LP, Cavallerano AA, et al. Binocular Indirect Ophthalmoscopy. Stoneham, MA: Butterworths 1988; 1-10.
21. Semes LP. The technique of binocular indirect ophthalmoscopy and examination of the posterior fundus. In: Potter JW, Semes LP, Cavallerano AA, et al. Binocular Indirect Ophthalmoscopy. Stoneham, MA: Butterworths 1988; 11-50.
22. Cavallerano AA, Semes LP. Examination of the anterior fundus, including scleral indentation. In: Potter JW, Semes LP, Cavallerano AA, et al. Binocular Indirect Ophthalmoscopy. Stoneham, MA: Butterworths 1988; 51-67.
23. McDowell T, Semes L. Optometric diagnosis of AIDS. Clin Eye Vis Care 1988; 1:24-26.
24. Chiara GF, Semes LP, Potter JW. Portable tonometers: a clinical comparison of applanation and indentation devices. J Am Optom Assoc 1989; 60:105-110.
25. Griffith T, Semes L, Cutter G. Patient preference between clear and yellow lenses for binocular indirect ophthalmoscopy. Clin Eye Vision Care 1989; 1:163-165.
26. Semes L. Sharpen your retinal examination skills. Rev Optom 1989; 126:57-60.
27. Semes LP, Cavallerano AA. The pan retinal 2.2 hand-held condensing lens. Clin Eye Vision Care 1989; 1:208-211.
28. Semes L. (Book Review). Retinal disease: biomedical foundation and clinical management. Clin Eye Vision Care 1988; 1:54.
29. Semes L. (Book Review). Consultation in ophthalmology. Clin Eye Vision Care 1989; 2:107.
30. Semes L. (Book Review). Retinal Detachment: diagnosis and management (2 ed.). Clin Eye Vision Care 1988; 1-54.
31. Semes LP, Potter JW, Cavallerano AA. Practical BIO: Two steps to successful examination. South J Optom 1990; 8:20-24.
32. Semes L. An alternative gonioscopy and fundus contact lens protocol. J Am Optom Assoc 1990; 61:619-22

33. Semes L. UV-A absorbing characteristics of commercial sunglasses intended for recreational and general use. *J Am Optom Assoc* 1991; 62:754-8.
34. Semes L. Something new under the sun. *Optom Clin* 1991; 1(2):28-34.
35. Amos JF, Swanson MW, Semes LP, Thurschwell LM. Pupillary dilation for aphakic patients, pseudophakic patients, and patients with cataract. *Optom Clin* 1991; 1(2):188-194.
36. Semes L, Thomas SR. Comparison of radiometric transmittance properties of sunglasses to ANSI Z 80.3 (1986) standards. *Optom and Vis Sci* 1991; 68(Suppl): 185.
37. Lowther GE, Semes L. Effect of intracannalicular collagen implants on drying symptoms and the tear film of hydrogel contact lens patients. *Optom and Vis Sci* 1991; 68(Suppl): 75.
38. Lowther GE, Semes L. Effect of intracannalicular collagen implants on drying symptoms and the tear film of hydrogel contact lens patients. *ICLC* 1992; 19 (11):.
39. Freed DM, Semes LP. RPE hypertrophy may be a sign of serious bowel disease. *Rev Optom* 1991; 128:45-9. [winning paper, First Annual Student Case Report Contest]
40. Freed DM, Semes LP, Potter JW. Rotary diamond chart - A new visual-field screening device. *J Am Optom Assoc* 1992; 63:95-101.
41. Semes L. (Book Review) *Clinical Anatomy of the Eye*. By Richard S. Snell and Michael A. Lemp. Blackwell Scientific Publications, 1989. Pp. 364. *Clin Eye Vis Care* 1990; 2:161.
42. Semes L. (Book Review) *The Ocular Fundus. A Photographic Documentation Atlas with Diagnostic and Therapeutic Guidelines*. By Horst Huismans. English translation by Manfred R. Tetz and David J. Apple. Baltimore, MD: Williams and Wilkins, 1989. Pp 215. *Clin Eye Vis Care* 1990; 2:161.
43. Semes L. (Book Review) *Atlas of Clinical Ophthalmology*. By G. Scuderi, G. Morone, and R. Brancato. Translated from the Italian by F.C. Blodi. Masson/Yearbook Medical Publishers, 1986; English language edition, 1987 Pp. 304. *Clin Eye Vis Care* 1990; 2:161-2.

44. Semes L. (Book Review) Manual of Fluorescein Angiography. By Amresh Chopdar. Stoneham, MA: Butterworths, 1989. Pp 134. Clin Eye Vis Care 1990; 2:221-2.
45. Semes L. Lattice degeneration of the retina and retinal detachment. Optom Clin 1992; 2(3):71-81.
46. Cavallerano AA, Semes LP. Management of retinal breaks and degenerations of the peripheral retina. Optom Clin 1992; 2(3):145-153.
47. McBrayer G, Semes L, Stephens G. AC Hemoglobinopathy: A newly discovered association. J Am Optom Assoc 1993; 64:250-253.
48. Kissner DM, Semes L. Clinical Review. Cutaneous malignant melanoma metastatic to the eye and orbit. Clin Eye Vis Care 1992; 4:146-50.
49. Semes LP, Blash MM, Woolley T. The intraocular response to scleral indentation (Abstract) Optom and Vis Sci 1992; 63(12 Suppl): 63.
50. Wesson MD, Semes LP. Gonioscopy as a key to optimal primary care. Optom Today 1992; 9:23-4.
51. Semes LP. Contemporary ocular fundus examination. Part I BIO. Optom Today 1992; 9:19-21.
52. Semes LP. Contemporary ocular fundus examination. Part II Fundus Biomicroscopy. Optom Today 1992; 10:19-21.
53. Semes L, Wesson MD. Gonioscopy: Pigmentary dispersion and pigmentary glaucoma. Optom Today 1993; 4:37-9.
54. Semes L. Decision Making in Ophthalmology (Book Review). Clin Eye Vision Care 1993; 5:47.
55. Semes L. (Abstract). Hypermedia in medical education. Robertson DR. J Med Educ Tech 1(14); 21-4, 1991. J Optom Ed 18(2):1993.
56. Semes L, Wesson MD. Eye injury: Evaluating the anterior chamber angle after blunt trauma. Optom Today (May) 1993:43.
57. Wesson MD, Semes LP. Differential diagnosis of iris elevations. Optom Today (June) 1993:49.

58. Wesson MD, Semes LP. Fundus evaluation: A primer for binocular indirect ophthalmoscopy. *Optom Today* (6):9-11.
59. Semes LP, Blash MM, Woolley T. Intraocular pressure response to scleral indentation. *Optom Vis Sci* 1993; 70:729-732.
60. Semes LP, Wesson MD. Pre-corneal lenses for ocular fundus examination. *Optom Today*. 1993; 1(7):39.
61. Wesson MD, Semes LP. Fundus contact-lens examination. *Optom Today*. 1993; 1(8):37.
62. Semes L. Routine pupil dilation - ocular and systemic considerations. *Eyequest* 1993; 3(6)30-43.
63. Classé JG, Semes LP. The initial assessment of ocular contusion injury. *Optom Clin* 1993; 3(2):115-145.
64. Wesson MD, Semes L. Posterior vitreous separation. *Optom Today* 1993; 1(12):15-16.
65. Semes LP, (Abstract) Vernon DTA, Blake RL. Does problem-based learning work? A meta-analysis of evaluative research. *Acad Med* 68:550-63, 1993. *J Optom Ed* 1994; 19:95
66. Semes LP, Herrick RS. The use of removable punctal plugs in the treatment of ocular surface disease secondary to Sjögren's Syndrome. *Sjogren's Syndrome – State of the Art. Proceedings of the Fourth International Symposium*. Amsterdam: Kugler Publications 1994.
67. Semes LP. (Abstract) A Program for documenting competency during surgical residency. Luchette F, Hassatt JM, Seibel R, et.al. *Med Teacher* 16(4): 333-340, 1994. In *J Optom Ed* 1996, 21(2): 63.
68. Classe JG, Daum K, Semes L, et. al. Association between eye and hand dominance and hitting, fielding and pitching skills among players of the Southern Baseball League. *J Am Optom Assoc* 1996; 67: 81-86.
69. Semes L. Why you shouldn't dismiss tear supplements. *Optom Manage* 1996 31(9): 83.
70. Semes L. What's your diagnosis? (Stargardt Disease). *Primary Care Optometry News*. October 1996.

71. Semes L. What's your diagnosis? (Sickle Cell Retinopathy)). Primary Care Optometry News. December 1996.
72. Semes L (Abstract) An active-learning approach to basic clinical skills. Curry RH, Makoul G. Acad Med 1996; 74: 41-44. In J Optom Ed 1997; 22(3): 94.
73. Review of Ultraviolet Radiation Effects on the Eye (Review of Optometry) July 1998.
74. Semes, L (Abstract) Optom Ed. July 1997. Broomfield D, Bligh EJ Curriculum change: the importance of team role Med Ed 1997, 31: 109-114.
75. Semes, L. Visual Field Case Presentations. Optom Manage; Oct 1997.
76. Semes LP. Clinicians consider patient's tolerance, anatomy, physiology before punctal occlusion. Primary Care Optometry News 1998; 3(5): 19.
77. Semes LP. Here comes the sun: Are your patients protected? Rev Optom 1998; 135(5): 84-88.
78. Semes L, White MF Jr. Going to the next level in case management. Optom Mgt 1999; 34 (8S): 4.
79. Semes L, White MF Jr. Getting staff on board with imaging. Optom Mgt 1999; 34 (8S): 7.
80. Semes L. (Book Review) An Atlas of ophthalmic trauma. Thomas C. Spoor Martin Dunitz 1997. Clin Eye Vis Care 1999; 11(2): 115.
81. Semes LP (Book Review) Atlas of Vitreous Biomicroscopy. Schepens CL, Trempe C, Takahashi M, eds. Boston, Butterworth Hienmann, 1999. Optom Vis Sci 2000; 77: 134.
82. S. C. Barlow, L.P. Semes, S. C. Cartner. **(by invitation)** Iridodialysis in a Rhesus Macaque: A Case Report. Comp Med 2000; 50: 673-4.
83. Tekiele BC. Semes L. The relationship among axial length, corneal curvature, and ocular fundus changes at the posterior pole and in the peripheral retina. Optometry 2002; 73(4):231-6. [erratum appears in Optometry 2002 May; 73(5):262].
84. Semes LP. NSAIDS and Corneal Melts. Contact Lens Spectrum; February 2002

85. Semes LP. Prostaglandins for IOP control. Part I Contact Lens Spectrum; April 2002.
86. Semes LP. Prostaglandins for IOP control. Part II Contact Lens Spectrum; June 2002.
87. Semes LP AMD I –prophylaxis. Contact Lens Spectrum; August 2002
88. Semes LP. AMDII – Photodynamic therapy. Contact Lens Spectrum; November 2002
89. Semes L, Duong M. What’s your diagnosis? Young man has juvenile retinoschisis, optic atrophy. PCON 2002; 7(12): 34-5.
90. Semes LP. What the OHTS means to practitioners. Contact Lens Spectrum; January 2003
91. Gordy G, Semes LP. What’s your diagnosis? Healthy young woman has reduced vision in both eyes. PCON 2002 7(8); 34-6.
92. Semes LP, Hansen R. Comparison of Oculus EasyField fast threshold versus Humphrey SITA standard visual field data. Optom Vis Sci 2002; 79 (12S): 12.
93. Becker K, Semes L. The reliability of FDT perimetry in a pediatric population. Optometry: JAOA 2003; 74: 173-179.
94. Semes L. Age-related macular degeneration: Diagnosis and Treatment. Contemp Optom 2003; 1(4): 1-8.
95. Bartlett JD, Shaikh AW, Semes LP. Open angle glaucoma: variation in the intraocular pressure after visual field examination. (letter) J Glaucoma 2003; 12 (5): 445.
96. Semes L. Vitamins and the macula. Contact Lens Spectrum 2003; 18 (12): 51.
97. Semes L. What Can You Do About Dry Eye? A New Treatment May Help. Contact Lens Spectrum 2003; 18 (10): 48.
98. Semes L. Medical Prescription Errors. Contact Lens Spectrum 2003; 18 (8): 50.
99. Semes L. Latanoprost update. Contact Lens Spectrum 2003; 18 (6): 51.
100. Semes L. Diabetic Retinopathy: Old Disease, New Strategies. Contact Lens Spectrum 2003; 18 (4): 53.

101. Shaikh A, Semes L. An evaluation of the Xal-Ease. *Optom Vis Sci* 2003; 80: 12(S): 134.
102. Semes L. NSAIDs versus Inflammation. *Contact Lens Spectrum* 2004; 19 (2): 50.
103. Semes LP, McPherson L. Elderly woman has sore area over the left temporal artery. What's your diagnosis? *Primary Care Optometry News*. 2003; 8 (12): 31-34.
104. **Monograph.** Semes LP (Principal Author), et al. : Care of the Patient with Ocular Surface Disease. Clinical practice guideline for the American Optometric Association. 2003.
105. Shaikh A, Semes L (Abstract). An evaluation of the Xal-Ease. *Optom Vis Sci* 2003; 80: 12(S): 134.
106. **Monograph.** Semes L. Flashes and floaters. *Cont Optom* 2004; 2(10): 1-8.
107. Semes L. Device Squeezes more drops from latanoprost bottle. A clinical trial of the Xal-ease delivery system. 2004; *Rev Optom* 141 (3S): 4-5.
108. Semes L. Investigating Fourth-Generation Fluoroquinolones. *Contact Lens Spectrum* 2004; 19 (4): 48
109. Semes L. Getting Familiar with CAM. *Contact Lens Spectrum* 2004; 19 (6): 48.
110. Semes L. Teach Your Patients the Importance of Persistence. *Contact Lens Spectrum* 2004; 19 (8): 50.
111. Semes L. Aptamers – remember the name. *Contact Lens Spectrum* 2004; 19 (10):
112. Semes L .Investigating swollen eyelids *Contact Lens Spectrum* 2004; 19 (12): 52
113. **Monograph.** Semes L. Fluorescein angiography. *Cont Optom* 2005; 3(7): 1-8.
114. Shaikh A, Semes L, Bartlett JD, Xie A, Comparison of Humphrey® Matrix 24-2 Standard Perimetry and Humphrey® Field Analyzer 24-2 SITA-Standard Perimetry .2005; *Rev Optom* 142 (3S): 4-5.
115. Semes L. Neuroretinitis -- To Treat or Not to Treat. *Contact Lens Spectrum* 2005; 20 (5):50

116. Semes L. Reducing the risk of AMD. Contact Lens Spectrum 2005; 20 (8):50
117. Semes L. AMD update: Emerging treatments for this widespread condition may prove useful for generations to come. Optom Manage 2005; 40(7): 30-34.
118. Semes L. Dry eye enigmas. Contact Lens Spectrum 2005; 20 (11):52.
119. Semes L. OCT NSAIDs and steroids. Optom Manag 2005; 40(12): 28-34.
120. Semes LP, Shaikh AW, McGwin G Jr, Bartlett JD. Race, not iris color, influences central corneal thickness and intraocular pressure. Optom Vis Sci 2006; 83: 512-5.
121. **Semes L.** Advances in Glaucoma Therapy. Optom Manage 2006; 41(4): 94-98.
122. Pizzimenti JL, **Semes L.** Tracking early AMD. Optom Manage 2006; 41(4): 104.
123. Semes L, Shaikh A. Evaluation of the Xal-Ease latanoprost delivery system. Optometry JAOA. 2007; 78:30-3.
124. **Semes L.** Vitreoretinal abnormalities. Cont Optom 2007; 5(8): 1-8.
125. **Semes L.** Vision loss occurs after retinal detachment surgery. PCON 2007; 12(4): 48-49.
126. **Semes LP.** Uncomplicated cataract extraction requires frequent follow-up. Cont Lens Spectrum. 2007; 22(6) 49.
127. **Semes LP.** Intriguing questions from a corneal patient's treatment. Cont Lens Spectrum 2007; 22(9) 50.
128. Fingeret M, Chaglasian M, **Semes L**, Quinn C, Wooldridge R. Application of New Technology and New Therapies in the Management of Glaucoma. 2007 Rev Optom; CE Supplement October 2007.
129. **Semes LP.** OHT — To Treat or Not to Treat. Cont Lens Spectrum 2007; 22(12) 49.
130. **Semes LP.** Options for Recurrent Erosion.. Cont Lens Spectrum 2008; 23(1) 52.
131. Sendrowski DP, Jaanus SD, **Semes LP**, Stern ME. Anti-inflammatory drugs. In Bartlett JD, Jaanus SD. Clinical Ocular Pharmacology, 5th Ed. 2007 Elsevier.
132. **Semes LP.** Blaho KE. Nutritional Agents. In Bartlett JD, Jaanus SD. Clinical Ocular Pharmacology, 5th Ed. 2007 Elsevier.
133. **Semes L.** Dry eye disease. Contemp Optom 2008; 5 (8): 1-10. (**monograph**)

134. **Semes L.** Diagnosing and managing allergic dermatitis. *Cont Lens Spectrum* 2009; 24(3) 53.
135. **Semes L.** Managing a case of swollen eyelids. *Cont Lens Spectrum* 2009; 24(5) 50.
136. **Semes L.** Gaining some perspective on dry eye treatment. *Cont Lens Spectrum* 2009; 24(7) 49.
137. **Semes L.** Lutein, the natural protector. *Rev Optom* 2009; 146 (9): 46-47.
138. Reid JC, **Semes L.** Device Helps With Diagnosis of Acute Conjunctivitis. *Cont Lens Spectrum* 2010; 25(1) 49.
139. Shechtman DL, **Semes L.** *SD-OCT vs. TD-OCT: A Comparison of Retinal Imagery.* *Rev Optom.* The Sixth Annual Guide to Retinal Disease. November 2009. 11-16.
140. **Semes L,** Wooldridge RP. Treating Glaucoma and Ocular Surface Disease in a Real-World Setting. *Rev Optom.* 2009.
141. **Semes L.** The role of Pachymetry in Glaucoma – International Center for Eyecare Education 2010. **Monograph.**
142. **Semes L.** SCORE study reports detail effectiveness of IVTA injection. *Cont Lens Spectrum* 2010; 25 (3): 52.
143. **Semes L.** Combining functional and structural measures. In: **The diagnosis and management of glaucoma- a review.** 2010 *Rev Optom*; 147 (3): (Suppl 1-12)
144. **Semes L.** More options for treating retinal vein occlusion. *Cont Lens Spectrum* 2010; 25 (5): 48.
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161. **Semes L. (by invitation)** D is the new C. *Optom Pharma (Suppl to Australian Optometry)*. Dec 2011; 14-15.
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Podium presentations at scientific meetings

1. **Semes, LP (presenter)**, Bartlett JD. The Clinical Effectiveness of Hydroxyamphetamine" American Academy of Optometry Annual Meeting. Chicago, December 1980.
2. Molinari JF (presenter), **Semes LP**. Verification of Labeled Parameters of Aphakic Soft Lenses. American Academy of Optometry Annual Meeting. Chicago, December 1980.
3. **Semes LP**. Referral of Cataract and Glaucoma Patients" - Panel member - American Academy of Optometry Annual Meeting, Section on Primary Care. Chicago, 1980.
4. **Semes, LP**. Corneal Dystrophies Symposium" - Panel member - American Academy of Optometry Annual Meeting, Section on Disease. Orlando, 1981.
5. Potter JW, **Semes, LP (presenter)**. Hemorrhagic Detachment of the Retinal Pigment Epithelium"; American Academy of Optometry Annual Meeting, Section on Disease. St. Louis, 1984.
6. Semes LP (presenter). Ultraviolet 'Windows' in Commercially Available Sunglasses. American Academy of Optometry Annual Meeting. Atlanta, 1985.
7. **Semes LP(presenter)**, Gold A. Optometric Responsibility in Detection and Management of Ocular and Intracranial Tumors" - American Academy of Optometry Annual Meeting. Section on Public Health Symposium. Atlanta, 1985.
8. **Semes LP**. Follow-up Study of Ultraviolet-A Transmissivity Properties of Sunglasses After a Period of Use." American Academy of Optometry. Toronto, Ontario, Canada 1986.
9. **Semes LP**. Giant-cell Arteritis" Presented as part of the Sudden Vision Loss Symposium of the section on Ocular Disease. American Academy of Optometry Annual Meeting. Toronto, Ontario, Canada 1986.
10. Mancil G (presenter), **Semes, LP**. Functional Visual Impairment and Early Cataracts. American Academy of Optometry. Denver, Colorado December 1987.
11. Chiara, G(presenter); **Semes, LP**, Potter JW, Cutter G ,Tucker WR. Clinical Comparison of the Schiotz and Perkins Tonometers. American Academy of Optometry Annual Meeting. Denver, Colorado December 1987.

12. **Semes L.** The use of removable punctal plugs in the treatment of ocular surface disease secondary to Sjögren's Symposium. Poster and oral presentation at the IV International Sjögren's Symposium. Tokyo, Japan. August 11-14, 1993.
13. **Co-chair** Plenary Poster Discussion IV International Sjögren's Symposium. Tokyo, Japan. August 11-14, 1993 (with M. Sawa, M.D. and T. Hamano, M.D.).
14. **Semes LP. (by invitation).** The Application of the OSHA bloodborne pathogens rule to office optometric practice. American Academy of Optometry (Cooperative section in meeting of the Sections on Public Health, Ocular Disease,, Primary Care, and Optometric Education). Boston, MA, December, 1993.
15. **Semes LP (presenter),** Epstein A, Greiner J, et.al. Clinical evaluation of a liquid punctal occlusion delivery system – 3 month follow-up. American Academy of Optometry Annual Meeting, Seattle, WA; December 12, 1999
16. Niemann K, **Semes LP (presenter).** Outcomes of patients presenting for unscheduled eye-care visits. American Academy of Optometry Biennial European Meeting; Madrid, Spain; April 9, 2000
17. **Semes L (presenter),** Schachet J, Epstein A, Greiner J. Clinical evaluation of a liquid punctal occlusion delivery system - 3 month results. Association of Ocular Pharmacology and Therapeutics Susquennial meeting, Birmingham, AL; November 4, 2000.
18. **Semes, LP.** Specialty Certification. Why Not? And How! American Academy of Optometry Primary Care and Public Health combined Section meeting. AAO Annual meeting Orlando, FL December 8, 2000.
19. **Semes LP (presenter),** Hansen R. Comparison of Oculus EasyField fast threshold versus Humphrey SITA standard visual field data. American Academy of Optometry Annual Meeting; San Diego, CA, December 2002
20. **Semes LP (presenter),** Hansen R. Comparison of Oculus EasyField fast threshold versus Humphrey SITA standard visual field data. Optometric Glaucoma Society Inaugural Meeting. December 12, 2002. San Diego, CA
21. **Semes L (presenter),** Shaikh A. Clinical evaluation of the Xal-Ease latanoprost delivery system. Second Annual Optometric Glaucoma Society Meeting, Dallas, TX December 3, 2003.

22. Shaikh A, **Semes L (presenter)**, Bartlett JD, Xie A, Comparison of Humphrey® Matrix 24-2 Standard Perimetry and Humphrey® Field Analyzer 24-2 SITA-Standard Perimetry . Third Annual Meeting, Optometric Glaucoma Society. Tampa, FL December 8, 2004.
23. Bartlett JD (presenter), Shaikh A, **Semes L**, et. al. "The Influence of Race on Pulsatile Ocular Blood Flow", Association for Ocular Pharmacology and Therapeutics, Catania, Sicily, February 2005.
24. **Semes LP**. "Obesity, Nutrition and Eye Health: A Full Circle. The influence of nutrition on macular degeneration" CDC Diabetes and Obesity Conference. Denver, CO May 18, 2006.
25. **Semes, LP**. "Outcomes Measures." ARBO Summit on Continuing Education in Optometry. Rosemont, IL, May 13, 2006.
26. **Semes LP**. (Keynote lecture). The ABCs of retinal disease. Optometric Retina Society Annual Meeting. Boston, MA April 4, 2013.
27. **Semes LP**. (Keynote lecture). Stem cells in ganglion cell rescue. National Glaucoma Society Annual Meeting. Cape Cod, MA July 11, 2013.

Poster presentations at scientific meetings

1. Lubert GP, **Semes LP**, Jones WL. Optic Nerve Head Anomaly - Morning Glory Syndrome Associated with Developmental RPE Defect American Academy of Optometry Annual Meeting. Atlanta, 1985.
2. **Semes LP**, Griffith T, Cutter G. Patient Preference Between Yellow and Clear Glass Condensing Lenses for Binocular Indirect Ophthalmoscopy" American Academy of Optometry Annual Meeting. New Orleans, Louisiana 1989.
3. **Semes LP**. Comparison of Radiometric Transmittance Properties of Sunglasses to the ANSI Z.80.3 (1986) Standard. American Academy of Optometry Annual Meeting. Anaheim, California 1991.
4. **Semes LP**, Blash MM, Woolley T. The intraocular response to scleral indentation. American Academy of Optometry Annual Meeting; Orlando, FL. December 1992.
5. **Semes LP** Inconsistency of Snellen notation for testing near visual acuity American Academy of Optometry Annual meeting, San Francisco, CA 1998.

6. **Semes LP**, Holland WC, Likens EG. Prevalence and Laterality of in a Primary Eyecare Population. American Academy of Optometry Annual meeting, San Francisco, CA 1998.
7. **Semes LP**, Tekiele BC, III. The prevalence of ocular fundus changes in the posterior pole and peripheral retina of myopic eyes. American Academy of Optometry Annual Meeting, Seattle, WA; (December 1999)
8. **Semes LP**, Epstein A, Greiner J, et.al. Multicenter clinical evaluation of a liquid punctal occlusion delivery device. CLAO Meeting (January , 2000)
9. **Semes LP**, Schachet J, Epstein A, et.al. Clinical evaluation of a liquid punctal occlusion delivery system – 6 month results. British Contact Lens Association Annual Meeting (May, 2000)
10. S. C. Barlow, **L.P. Semes**, S. C. Cartner. Iridodialysis in a Rhesus Macaque: A Case Report. American Academy of Laboratory Animal Medicine. Orlando, FL May 31,2000.
11. **Semes LP**, Niemann, K. Outcomes of patients presenting for unscheduled eye-care visits. American Optometric Association Annual Congress, Las Vegas, NV; June 23, 2000.
12. Prezgay K, **Semes LP**. Recalcitrant Ocular Toxoplasmosis. American Optometric Association Annual Congress, Las Vegas, NV; June 23, 2000.
13. Greiner J, **Semes LP**, Schachet J. Multicenter clinical evaluation of a liquid punctal occlusion device in patients with dry eye syndrome. Annual Meeting of the American Academy of Ophthalmology. October 23, 2000
14. Niemann K, **Semes LP**, Cat Scratch Disease. American Optometric Association Annual Congress, Boston, MA. June 23, 2001.
15. **Semes L**, Duong M. Goldmann-Favre Syndrome. Case Report. American Optometric Association Annual Congress, June 2002.
16. Shaikh A, **Semes, L**. An evaluation of the Xal-Ease. American Academy of Optometry Annual Meeting, Dallas, TX December 6, 2003
17. **Semes L**, Shaikh A, Bartlett JD. Pulsatile ocular bloodflow and race. AAO Annual Scientific Meeting. Tampa, FL December 2004.

18. J.D. Bartlett, A.Shaikh, **L. Semes**, G.McGwin., The relationship among race, iris color, central corneal thickness, and intraocular pressure. ARVO Ft. Lauderdale, FL April 2004.
19. Bartlett JD, AS Shaikh, **L Semes**, Xie, A. Comparison of Humphrey Matrix 24-2 Standard Perimetry and Humphrey Field Analyzer 24-2 SITA standard Perimetry. (ARVO 2005 Annual Meeting, Ft. Lauderdale, FL, May, 2005)
20. **Semes L**, Shaikh A. Bartlett JD. Is iris color or race a determinant of central corneal thickness? First World Glaucoma Congress, Vienna, Austria, July 2005
21. **Semes L**, Shaikh AS. Comparison of Humphrey Matrix 24-2 Standard Perimetry and Humphrey Field Analyzer 24-2 SITA standard Perimetry. First World Glaucoma Congress, Vienna, Austria, July 2005
22. Boyle MW, **Semes L**, Clay O, Fuhr P. Sleep apnea syndrome (SAS) represents a risk for glaucoma in a Veteran's Affairs Population. AAO Annual Meeting, Denver 2006.
23. **Semes LP**, Boyle M, Fuhr P, Clay O. Sleep Apnea is Associated with Glaucoma. World Glaucoma Congress; Singapore, July 18-21, 2007.
24. **Semes LP**. McGriff W. RELATIONSHIP BETWEEN CCT AND BETA-ZONE PPA IN GLAUCOMA PATIENTS AND SUSPECTS. Poster 207. World Glaucoma Congress; Paris, France. June 29 - July 2, 2011.
25. **Semes L**, McGriff W. Relationship between location and extent of beta-zone PPA or CCT and severity of visual field damage in glaucoma patients. Abstract 423. World Glaucoma Congress; Vancouver, BC 17-21 July, 2013.
26. Rodman J, Shechtman D, Haynie J, Alexander L, **Semes L**, Jones W, Ferrucci S, Bittner AV, Murray Ocular Oncology and Retina, Schaeffer Eye center ARVO abstract 2015 D0203: The Prevalence of Vitreomacular Adhesion in Patients 40 Years and Older- VAST Study Abstract Number: 1226. 2015.
27. **Semes, L**. Early Glaucoma masquerading as congenital parietal lobe leucomalacia. Abstract. 6th World Glaucoma Congress; Hong Kong, June, 6 - 9, 2015.

CONTRIBUTIONS TO OTHER PUBLICATIONS

1. Potter J, **Semes L**. The Ocular Fundus (in *Ocular Assessment*, B. Barresi, Ed. Butterworths) January, 1983.
2. **Semes, L**. Light Sensitivity (in *Clinical Management in Vision Care*, J. Amos, Ed. 1987, Butterworths)
3. *Binocular Indirect Ophthalmoscopy* (J. Potter, **L. Semes**, A. Cavallerano, M. Garston). Butterworths 1988.
4. **Semes L**. Diseases of the Lacrimal System In: *Clinical Ocular Pharmacology*; J Bartlett, S Jannus, eds.). Butterworths: 1989.
5. **Semes, LP**. Direct Ophthalmoscopy. In: *Clinical Procedures in Optometry*; J Eskridge, J Amos, J Bartlett (Eds). Lippincott 1991; pp. 238-41.
6. **Semes, LP**. Monocular Indirect Ophthalmoscopy. In: *Clinical Procedures in Optometry*; J Eskridge, J Amos, J Bartlett (Eds). Lippincott 1991; pp. 242-45.
7. **Semes, LP**. Binocular Indirect Ophthalmoscopy. In: *Clinical Procedures in Optometry*; J Eskridge, J Amos, J Bartlett (Eds). Lippincott 1991; pp. 246-55.
8. **Semes, LP**. Lacrimal System Evaluation. In: *Clinical Procedures in Optometry*; J Eskridge, J Amos, J Bartlett (Eds). Lippincott 1991; pp. 345-49.
9. Semes, LP. Nasolacrimal Testing. In: *Clinical Optometric Pharmacology and Therapeutics*. B Onofrey (Ed). Lippincott 1991.
10. **Semes, LP**. Dry Eye and Keratoconjunctivitis Sicca. In: *Anterior Segment Complications of Contact Lens Wear*. JA Silbert (Ed) New York: Churchill Livingstone, 1993.
11. **Semes LP**. Keratoconjunctivitis Sicca and Ocular Surface Disease. In Silbert JA, Ed. *Anterior Segment Complications of Contact Lens Wear*. New York: Churchill Livingstone, 1994.
12. **Semes LP**, Clompus RJ. Diseases of the Lacrimal System In: *Clinical Ocular Pharmacology*; 3rd Ed, J Bartlett, S Jannus, eds.). Butterworth-Heinemann.:1995
13. **Semes LP**. Anterior Segment Evaluation In: Benjamin WJ (Ed) *Borish's Clinical Refraction*. Philadelphia: W. B. Saunders, 1998; 408 – 429.

14. **Semes, LP.** Keratoconjunctivitis Sicca and Ocular Surface Disease. In Silbert J A, ed. *Anterior Segment Complications in Contact Lens Wear, 2ed.* Boston: Butterworth-Hinemann, 2000.
15. **Semes LP.** Lattice Retinal Degeneration. In Amos JF, Classe JG, Casser L, eds. *Manual of Primary Eyecare.* (submitted, 2000)
16. **Semes LP.** Diseases of the Lacrimal System In: *Clinical Ocular Pharmacology; 4th* Ed, J Bartlett, S Jannus, eds.). Butterworth-Heinemann, 2001.
17. Fleming J, **Semes LP.** Anterior Segment Evaluation in Benjamin WJ. Ed. *Borish's Clinical Refraction.* Philadelphia: Elsevier. 2005
18. **Semes LP,** Amos JF. Posterior Segment Evaluation. in Benjamin WJ. Ed. *Borish's Clinical Refraction.* Philadelphia: Elsevier. 2005
19. **Semes LP.** Part 2, Ocular Disease and Trauma – Glaucoma. In: Review Questions for the NBEO Examination, Bennett E, Lakshminarayanan V, eds. Part 2. Boston: Butterworth-Heinimann, 2006.
20. **Semes LP.** Part 2, Ocular Disease and Trauma – Retina and Vitreous. In: Review Questions for the NBEO Examination, Bennett E, Lakshminarayanan V, eds. Part 2. Boston: Butterworth-Heinimann, 2006.
21. Palomib JA, Roberts DK, Sutton BM, **Semes LP.** .Part 2, Ocular Disease and Trauma – Cornea/External Disease. In: Review Questions for the NBEO Examination, Bennett E, Lakshminarayanan V, eds. Part 2. Boston: Butterworth-Heinemann, 2006

CONTINUING EDUCATION PRESENTATIONS

Two 1-hour lectures presented at the Philadelphia College of Pharmacy and Science Continuing Education Program: (1) "Over-the-Counter Medications and Devices Used in Eye Care"; and (2) "Management of Common Ocular Disorders for Pharmacists" - March, 1979.

October, 1979 - Alabama Optometric Association Fall Semester - Utilization of Hruby Lens and Krieger Lens for Posterior Pole Examination (Laboratory course).

May 17, 18, 1980 - Georgia Society of Professional Optometrists Seminar in Optometry.

1. Diagnostic Considerations in the Detection of Diabetes Mellitus and Hypertension
2. Ocular Anatomy and Physiology Related to Diabetes Mellitus and Hypertension
3. Ocular Pathophysiology of Diabetes Mellitus
4. Ocular Management Options in Diabetes Mellitus and Hypertension

Alabama Association of Optometrists "The Peripheral Retina" (2-hour lecture - January, 1980).

UAB School of Optometry Continuing Education Series "Lacrimal System Function and Dysfunction" (2-hour lecture - February, 1980).

UABSO Continuing Education Series "Binocular Indirect Ophthalmoscopy" (2-hour lecture/laboratory, September, 1980).

UABSO Continuing Education Series "Recognition and Management of Peripheral Retinal Degenerations" (1-hour lecture, November, 1980).

American Academy of Optometry Ellerbrock Memorial Continuing Education Courses: "Management of Lacrimal System Dysfunction" (2-hours lecture, December, 1980); "Peripheral Retinal Disease - Diagnosis and Management" (1-hour lecture, December, 1980).

Southern Council of Optometrists Educational Congress: Faculty Member (3 Hours Lecture; 3 Hours Laboratory), "Binocular Indirect Ophthalmoscopy" (Coordinated by Dr. L.J. Alexander.); March, 1981.

UABSO Continuing Education Series "Automated Refraction" (Lecture, Panel Discussion, Laboratory); April, 1981.

American Academy of Optometry Ellerbrock Memorial Continuing Education Courses: "Diagnosis and Management of Lacrimal System Dysfunction" (2-hour lecture) "A Study of Peripheral Retina" (2-hour lecture with William L. Jones, O.D.); December, 1981, Orlando, Florida.

UABSO Continuing Education Series: From Cataract to Aphakia. "Indications for and Techniques of Cataract Surgery", February, 1982 (2-hour lecture).

Southern Council of Optometrists Educational Congress: Faculty member for "Clinical Binocular Indirect Ophthalmoscopy", (coordinated by Dr. L.J. Alexander); "Management of Lacrimal Drainage Dysfunction" (1-hour lecture), March, 1982.

Module participant "Internal Ocular Examination -Scleral Indentation".

N.W. Louisiana Optometric Association Education Conference, March 1982; (6 hours):

1. Diseases of the Vitreous
2. Management of Peripheral Retinal Degenerations
3. Diagnosis and Management of Lacrimal System Problems

Middle Atlantic Continuing Education Conference, Invited Lecturer April 1982 (7 hours):

1. Diabetic Retinopathy
2. Diseases of the Vitreous
3. Diagnosis and Management of Peripheral Retinal Degenerations
4. Pigmented Lesions of the Retina and Choroid
5. Management of Lacrimal System Dysfunction

UABSO Continuing Education Series. August 1982. "The Iris" and "Scleritis."

American Academy of Optometry Ellerbrock Memorial Continuing Education Course: Diagnosis and Management of Lacrimal Dysfunction, Philadelphia, 1982.

UABSO Continuing Education Series. February 1983. "Pigmented Fundus Lesions" (2 hours) and "Diseases of the Peripheral Retina" (2 hours).

Clinical Symposium Instructor. Southern Council of Optometrists. February 1983. "Lacrimal Dilatation and Irrigation."; Use of the Goldmann Perimeter.

Southwest Council of Optometrists. Invited Lecturer. March 1983 "Binocular Indirect Ophthalmoscopy."

UABSO Continuing Education Series. October 1983. "Management of Sports-Related Trauma."

American Academy of Optometry Ellerbrock Memorial Continuing Education Course: Diagnosis and Management of Lacrimal Dysfunction, Houston, 1983.

UABSO Continuing Education Series. February 1984. Coordinated "New Ophthalmic Instrumentation" course.

Southeastern Council of Optometrists: February 1984. Clinical Procedures Symposium: "Lacrimal dilation and irrigation"; Panelist (general program): "Chronic ocular imitation." Continuing Education Lecture: "Lacrimal System Dysfunction."

Northwest Louisiana Optometric Seminar: March 1984 (6 hours).

1. Management of Sports-Related Trauma
2. The Iris
3. Pigmented lesions of the Retina and Choroid
4. Evaluation of the Pupils

September 1984: Panama City, FL. Bay Point Anterior Segment Symposium. How to Work-up the Tearing Patient (2 hrs.).

November 1984: Albuquerque, N.M. Diagnosis and Management of Lacrimal System Dysfunction as part of the New Mexico Optometric Association's Pharmacology course (12 hrs).

December 1984: St. Louis, MO. American Academy of Optometry. Peripheral Retinal Degenerations (2 hrs. with William L. Jones, O.D.); Management of Sports-Related Trauma (2 hrs. with J.G. Classé, O.D., J.D.).

January 1985: Stereoscopic Fundus Examination. UABSO CE (6 hrs.).

March 1985: Southern Council of Optometrists' Workshop: Lacrimal Dilation and Irrigation.

March 1985: Northwestern State University of Louisiana: 13th Annual Optometrists' Conference:

1. Prescribing for Light Sensitive Patients (1 hr.)
2. Basic Ocular Pharmacology (1 hr.)
3. Lacrimal Dysfunction Diagnosis plus Workshop (3 hrs.)
4. Binocular Indirect Ophthalmoscopy plus Workshop (4 hrs.)
5. Diagnosis and Management of P.V.D. (1 hr.)

March 1985: Florida Academy of Optometry. "Pigmented Fundus Lesions" (2 hrs.) "The Vitreous."

May 1985: Buxmont Optometric Society (PA). "Pigmented Lesions of the Retina and Choroid."

June 1985: UABSO CE "Light Sensitivity and Video Display Terminals."

October 1985: OMNI - Atlanta, GA. "Binocular Indirect Ophthalmoscopy Workshop."

November 1985: Anaheim, CA. Association of Military Surgeons of the United States - 92nd Annual Meeting:

1. Lacrimal System Work-up
2. Ultraviolet Protection for the Eye

December 1985: Atlanta, GA. American Academy of Optometry. "An Indirect View of the Peripheral Fundus" (with Dr. William L. Jones).

February 1986: Atlanta, GA. Southern Council of Optometrists. Ocular Disease Track. "Peripheral Retina and Vitreous."

March 1986: Natchitoches, LA. Northwestern State University of Louisiana: 14th Annual Optometrists' Conference:

1. Pharmacology for Optometrists
2. Ultraviolet Sensitivity and the Eye
3. Refractive Surgery

March 1986: Brevard County Optometric Association: First Annual "Peripheral Retina Workshop."

April 1986: UABSO CE: Controversies in Management: "Retinal Detachment" and "Choroidal Malignant Melanomas."

June 1986: North Carolina Optometric Association Spring Educational Conference. "Peripheral Retina: Part I and Part II."

September 1986: Vision Expo (New York City, AOA Sponsored)

1. Ultraviolet Radiation and the Eye
2. VDT's and Vision
3. Pigmented Fundus Lesions

October 1986: Tennessee Optometric Association Education Symposium:

1. The ABC's of PVD
2. Common Peripheral Retina Degenerations
3. Retina Self Assessment (Series I)

November 1986: West Virginia Optometric Association: "Review of Peripheral Retina."

December 1986: Mississippi Optometric Association:

1. Photography for Documentation and Follow-Up

2. Diagnostic Pharmaceuticals in a Busy Practice

February 1987: Southern Council of Optometrists Educational Congress:

1. Macular Function Testing
2. Anterior Segment Workshop

February 1987: Nevada State Optometric Association:

1. Disorders of the Iris
2. Pigmented Fundus Lesions
3. Macular Function Testing

March 1987: Florida Academy of Optometry:

1. Lacrimal Procedures Workshop
2. Fundus Examination Workshop

March 1987: Brevard County Optometric Association: "Peripheral Retina Workshop."

July 1987: Colorado Optometric Association/Mountain States Optometric Association: "Lacrimal System Dysfunction."

September 1987: Bay Point Anterior Segment Symposium: "Lubricant and Decongestant Solutions."

December 1987: American Academy of Optometry (Denver, CO): "Binocular Indirect Ophthalmoscopy Workshop" (Beginners/Advanced) and "Lacrimal Dilution and Irrigation Workshop."

December 1987: Mississippi Optometric Association:

1. The ABC's of PVD
2. Diagnosis and Management of Retinal Detachment
3. Retinal Self Assessment (Series II)

1988

Southern Council of Optometrists. February: Binocular Indirect Ophthalmoscopy Workshop, Visual Fields Workshop.

Northwest Louisiana State University. March: Potpourri.

Bay Point Posterior Segment Symposium. May: Retina Program.

Louisiana Association of Optometrists. July: Retina Program.

American Academy of Optometry. December: Lacrimal Workshop.

1989

Heart of America Contact Lens and Primary Care Congress. February: Potpourri.

Southern Educational Congress of Optometry. February: BIO and VF Workshops, General Program.

Nevada State Optometric Association. February: Dermatology, OTC Medications.

Southwest Council of Optometrists. March: Potpourri.

Opti Fair. New York City. Potpourri.

Bay Point Posterior Segment Symposium. Florida: Retina Program.

California Optometric Association. Monterey: Retina and Ultrasound Program.

American Academy of Optometry. New Orleans: Decision Making in Vitreoretinal Disorders, UV Radiation and the Eye.

1990

North Central States Optometric Council (Minneapolis)

International Winter Ophthalmic Conference (Salt Lake City)

1990

Southern Educational Congress of Optometrists (Atlanta)

Southwest Council of Optometrists (Dallas)

Florida Academy of Optometry (Leesburg)

Vision Expo/OptiFair (East and West)

Alberta Association of Optometrists (Calgary)

Louisiana Optometric Association (New Orleans)

American Optometric Association (Honolulu)

California Optometric Association (Newport Beach)

Maryland Optometric Association (Baltimore)

Mississippi Optometric Association (Jackson)

South Carolina Optometric Association (Hilton Head)

American Academy of Optometry (Nashville)

1991

International Winter Ophthalmic Conference (Jackson, WY)

Southern Education Congress (Atlanta)

Vision Expo (New York)

Nevada Optometric Association (Stateline)

Brevard County Optometric Association (Cocoa Beach, FL)

Eye Center South Educational Meeting (Dothan, AL)

Arkansas Optometric Association (Hot Springs)

American Optometric Association (Dallas)

UABSO Alumni Educational Meeting (Destin)

Southwest Florida Educational Meeting (Captiva)

1991

Vision Expo Educational Meeting (Anaheim)

Ohio Optometric Association (Huron)

California Optometric Association (San Francisco)

North Carolina Optometric Association (Charlotte)

Maryland Optometric Association (Baltimore)

South Carolina Optometric Association (Hilton Head)

American Academy Optometric Annual Meeting (Anaheim)

1992

International Winter Ophthalmic Conference; Lake Louise, Alberta, CANADA

Heart of America Contact Lens and Primary Care Society; Kansas City, MO

Nevada State Optometric Association; Lake Tahoe, NV

Southern Educational Council of Optometrists; Atlanta, GA

Northwestern State University of Louisiana; Natchitoches, LA

Southwest Council of Optometrists; Dallas, TX

Vision Expo East; New York, NY

California Optometric Association; Anaheim, CA

Texas - 90-hour TPA Course (Dallas, TX)

Eye Center South; Dothan, AL

Arkansas Optometric Association; Little Rock, AR

Florida Academy of Optometry; Leesburg, FL

Gilbert Cataract Center; Jacksonville, FL

American Optometric Association 95th Annual Congress; Montreal, Quebec, CANADA

1992

Tennessee TPA Review Course; Nashville, TN

Oklahoma Academy of Optometry, Oklahoma City, OK

Bay Point Anterior Segment Symposium; Panama City Beach, Florida

Texas Association of Optometrists; San Antonio, TX

Mid-Florida Eye Surgery Center; Mt. Dora, FL

American Academy of Optometry (Ellerbrock Memorial CE); Orlando, FL

DPA Course (UAB)

South Carolina Optometric Association; Hilton Head, SC

1993

International Winter Ophthalmic Conference; Aspen, CO

Triad Medical Eye Center and Cataract Institute; Tulsa, OK

Vision Expo East; New York, NY

Southern Council of Optometrists; Atlanta, GA

Southwest Council of Optometrists; Dallas, TX

Indiana Optometric Association; Indianapolis, IN

Iowa Optometric Association; Des Moines, IA

New Mexico Optometric Association; Albuquerque, NM

Florida Academy of Optometry, Leesburg, FL

Eyequest Conference, Chicago, IL

University of Waterloo School of Optometry; Waterloo, Ontario, CANADA

Louisiana Optometric Association; Shreveport, LA

South Carolina Optometric Association, 110 hour TPA course; Columbia, SC

1994

Bay Point Anterior Segment Symposium; Panama City Beach, FL

Mississippi Optometric Association TPA Review Course; Jackson, MS

South Dakota/Wyoming Optometric Association; Lead, SD

West Tennessee Optometric Association; Jackson, TN

California Optometric Association; Monterey, CA

Colorado Optometric Association DPA Course; Denver, CO

DPA Course (UAB)

American Academy of Optometry (Ellerbrock Memorial CE); Boston, MA

1996

AAO- Ellerbrock program - Dec

EyeQuest meeting lecturer 'May '96

AOA Congress Lecturer Portland - Jun

California Optometric Association Nov

1997

SkiVision January

SECO Feb

NECO Feb

California Optometric Association Congress Mar

Univ NSW (Australia) TPA course lecturer Apr

Eye Center of Mid Florida invited Lecturer Apr

Manitoba Association of Optometrists; Retinal/Vitreous Video Grand Rounds (2 hrs.), Scleral Indentation Workshop (2 hrs.); Winnipeg, Manitoba, May 4, 1997

Eyequest Conference; Advanced BIO Workshop (4 hrs), Gonioscopy Workshop (4 Hrs.), Retinal/Vitreous Video Grand Rounds (2 hrs.); Chicago, IL, May 16-17, 1997

The 7th Annual Victoria Conference; Management of Vitreoretinal Disorders (2 hrs), Interactive Case Rounds: Glaucoma (2 hrs.); July 17, 18, 1997

The 8th Annual Optometry Update; Ocular Dermatology (2 hrs.), Therapeutic Misadventures (Case Presentations w/ Dr. Bruce Onofrey 2 hrs.); Jacksonville, FL, May 20, 1997

The 100th AOA Annual Congress; UV effects and Care (1 hr.), Algorithms for Visual Field Interpretation (2 hrs.), , Retinal/Vitreous Grand Rounds (2 hrs.), Optic Nerve and Nerve Fiber Evaluation (1 hr.); Contemporary Pharmaceuticals (*for paraoptometrics* – 2 hrs.); St. Louis, MO, July 14-16, 1997

Wisconsin Optometric Association Annual Meeting and Convention; Ocular Dermatology (2 hrs.), Ocular Surface Disease – Advanced Management (2 hrs), Optic Nerve and Nerve Fiber Evaluation (1 hr.); Madison, WI, Sep 25,26, 1997

New Jersey Optometric Association "Therapy by the Sea" Convention; Glaucoma Grand Rounds (2hrs.), Ocular Surface Disease (2 hrs); Atlantic City, NJ, Sep 27, 28, 1997

Optometric Society of the District of Columbia; Lacrimal Occlusion Workshop (4 hrs.); Washington, DC, Oct 12, 1997

5th Annual Federal Services Optometry Seminar; UVR and the Eye (1 hr.), Algorithms for Glaucoma Diagnosis and Treatment (1hr.); San Antonio, TX, Oct 29, 1997

California Optometric Association Fall Symposium; Basic BIO Workshop (2 hrs.), Advanced BIO Workshop and Scleral Indentation Workshop (2hrs), Gonioscopy Workshop (2hrs), Retinal/Vitreous Video Grand Rounds (2 hrs.), Optic Nerve and Nerve Fiber Layer Evaluation (1 hr); Monterey, CA Nov 7,8, 1997

South Carolina Optometric Association 39th Annual Continuing Education Convention; Dermatology Primer (1hr), Diagnosis and Treatment of Blepharitis (1 hr), Optic Nerve and Nerve Fiber Layer Evaluation (1 hr); Glaucoma Update (1hr), Punctal Occlusion Workshop (2hrs), Hilton Head, SC, Dec 5,6, 1997

Ellerbrock Memorial continuing Education Program of the American Academy of Optometry; Lacrimal Dilution and Irrigation Workshop (w/ Dr. Gerald Melore – 2hrs); San Antonio, TX, Dec 12, 1997

1998

SkiVision; Vitreo-Retinal Grand Rounds (2hrs), Steamboat Springs, CO, Jan 29, 1998
75th Southern Educational Congress of Optometry; .), Scleral Indentation Workshop (2hrs), Atlanta, GA Feb 28, 1998

California Optometric Association; Optic Nerve and Nerve Fiber Layer Evaluation (1 hr); Dermatology and the Eye (2hrs), Ocular Surface Disease (2hrs); Sacramento, CA, Mar 7,8, 1998

Vision Expo East; Contemporary Pupil Dilation (2hrs), Gonioscopy A to Z (1hr), Clinical Challenges in Vitreoretinal Disease (2 hrs); New York, NY March 27, 28, 1998

Northwestern State University of Louisiana; Basic Visual Field Interpretation (2hrs), Optic Nerve and Nerve Fiber Layer Evaluation (1 hr); Visual Field and Glaucoma Medications Update (1hr), Retinal/Vitreous Video Grand Rounds (2 hrs.), Dermatology and the Eye (2hrs); Natchitoches, LA Mar 20,21, 1998

Eyequest Meeting; Prescribing for UVR Protection and Glare (1hr), Dermatology and the Eye (2hrs), Contemporary Pupil Dilation (2 hrs), Visual Fields in the Diagnosis and Management of Glaucoma (2 hrs); Chicago, IL; May 15,16, 1998.

National Optometric Association: Algorithms for visual field interpretation (2hrs.), Dermatology Primer (2 hrs.); Aruba, NA; July 11, 1998

Nebraska Optometric Association; Glaucoma Refresher Course
4 / 10hrs); Omaha, NE; July 19,20, 1998.

Southwest Florida Optometric Association; Optic Nerve and Nerve Fiber Layer
Evaluation (2 hrs.), Algorithms for Glaucoma Diagnosis and Treatment (2 hrs.)
Captiva Island, FL; August 8, 1998.

University of New South Wales 12 hour TPA comprehensive course; August 12-14
and 21-23, 1998.

Vision Expo West; Topics: UVR, Gonioscopy, Vitreoretinal disorders, Pupil dilation
(6 hrs. total); September 24,25, 1998.

1999

UABSO CE Retina program; Nutrition and the eye (1 hr.); Birmingham, AL August
21,1999

East-West Eye Conference; Algorithms for Glaucoma Diagnosis and Treatment (2 hr
lecture), Optic Nerve and Nerve Fiber Layer Evaluation (2 hr lecture), Ocular
Dermatology – A Primer (2 hr lecture); Cleveland, OH; October 14, 15, 1999

2000

Tropical SeaE; Algorithms for Glaucoma Diagnosis and Treatment (2 hr lecture), Ocular
Dermatology – A Primer (2 hr lecture), Vitreo-retinal disorders (4 hr lecture); Belize City,
Belize; January 15-18, 2000

SkiVision; Video Vitreo-retinal Grand Rounds (2 hr lecture); Breckenridge, CO; January
30, 2000

Vision Expo East; The Optic Nerve in Glaucoma (1 hr lecture), Algorithms for Glaucoma
Diagnosis and Treatment (2 hr lecture), Ocular Dermatology – A Primer (2 hr lecture),
UVR and the Eye (1 hr lecture); New York, NY; April 1-2, 2000

AAO – Madrid; Dilation and Irrigation of the Nasolacrimal System (1 hr
lecture/workshop); April 13, 2000; Madrid, Spain

MWCO; Optic Nerve and Nerve Fiber Evaluation (2 hrs), Interactive Case Conference (4
hrs.); May 4,5, 2000

NECO; Gonioscopy A to Z, Gonioscopy video Grand Rounds (1 hr each), Peripheral Retina
Grand Rounds (2 hrs.); May 6, 2000

Eyequest Meeting; Gonioscopy A to Z, UVR and the Eye, Retina Vitreous Grand Rounds (1 hr each), Contemporary Pupil Dilation (2 hrs.), Optic Nerve in Glaucoma (1 hr.); Chicago, IL; May 19, 20, 2000

American Optometric Association Annual Congress; Triage (1 hr.), Introduction to Diagnostic Pharmaceuticals, Common Ocular Abnormalities (2 hrs each) for Paraoptometrics; June 23, 24, 2000

Iowa Optometric Association; Ocular Dermatology (2 hrs.), Evidence-based Medicine: Ocular Surface Disease (1 hr.), Video Vitreoretinal Grand Rounds (2 hrs.), Do eyes need more than carrots? (1 hr.); July 21,22, 2000

Southwest Florida Optometric Association; Case challenges in Ocular Disease, Case Challenges in Glaucoma, (2 hrs each); Ocular Dermatology (2 hrs.) AIDS Update-2000 (1 hr.)

Vision Expo West; Survey of Ocular Trauma (2 hrs.), Algorithms for Glaucoma Diagnosis and Treatment (2 hrs.), Vitreoretinal Video Grand Rounds (1 hour); September 16,17, 2000

Western New York Optometric Society; Evidence-based Medicine: Ocular Surface Disease (1 hr.), Optic Nerve and Nerve Fiber Evaluation (2 hrs.), Gonioscopy video Grand Rounds (1 hr.), NSAID and steroid update 2000 (1 hr.) September 23, 2000.

Association of Military Surgeons of the United States (AMSUS) Annual Meeting; Visual Fields Update (1 hr.); November 7, 2000.

San Diego County Optometric Society: Video Vitreoretinal Grand Rounds (2 hrs.); November 16, 2000.

Mississippi Optometric Association Winter Meeting: NSAID and Steroid Update (1 hr.); Do eyes need more than carrots? (1 hr.); Algorithms for Glaucoma Diagnosis and Treatment (2 hrs.); Triage (1 hr.), Introduction to Diagnostic Pharmaceuticals, Common Ocular Abnormalities (2 hrs each) for Paraoptometrics; November 17-19, 2000.

2001

SWCO (Dallas, TX) Punctal plug Update (½ hour); Optic Nerve and Nerve Fiber Evaluation (2 hrs.); Do eyes need more than carrots (1 hr); Optic nerve in glaucoma (1 hour); Algorithms for glaucoma diagnosis and management (2 hr). March 13-15, 2001

ForeSight (Hilton Head Island, SC) Optic Nerve Evaluation in Glaucoma (1hr.);); Algorithms for glaucoma diagnosis and management (2 hr); Ocular Dermatology – a Primer (2 hr.). May 2-5, 2001

Florida Chapter AAO (Leesburg, FL) NSAID and Steroid Update (1 hr.); Evidence-based Medicine: OSD (1 hr.); Macular grand rounds (w/ Dr. Dunbar 1 hr.); Glaucoma case challenges (w/Dr. Dunbar 1 hr.). May 19, 2001.

Arizona Optometric Association Spring congress (Tucson, AZ). NSAID and Steroid Update (1 hr.); Case challenges in Ocular Disease 2 hr.); Gonioscopy video Grand Rounds (1 hr.); Ocular Dermatology (2 hr.). June 2, 2001.

University of Huston College of Optometry Program (Estes Park, CO) Optic nerve and nerve fiber layer evaluation (2 hours); Ocular Dermatology (2 hr.). June 18, 19, 2001

Kentucky Optometric Association (Cincinnati, OH). Optic nerve and nerve fiber layer evaluation (2 hours); Case challenges in Ocular Disease (2 hr.); Pupil Dilation (Paraoptometric education; 1 hour). September 14,15, 2001.

Wisconsin Optometric Association (Green Bay, WI). Optic nerve and nerve fiber layer evaluation (2 hours); Ocular Dermatology (2 hr.), NSAID and Steroid Update (1 hr.); Algorithms for glaucoma diagnosis and management (2 hr.) September 29,30, 2001.

Primary Care Optometry News Symposium (New York). Normal Tension Glaucoma (with Murray Fingeret, OD (1hr.); ARMD Update (2 hr. with Jerome Sherman, OD); Care of the Diabetic Patient (1 hr. with Dr. Fingeret). November 1,2, 2001.

Vision Institute of Canada (Markham, Ontario). Video Vitreoretinal Grand Rounds (2 hr.); Ocular Dermatology – A Primer (2 hr.); Survey of Ocular Trauma (2 hr.). November 9,10, 2001.

2002

SkiVision Meeting (Snowmass, CO). Evolving Trends in ARMD (1 hr.); Evidence Based Medicine: Ocular Surface Disease (1 hr.) February 19, 20, 2002

SECO Meeting. Atlanta, GA. Fundus Technology Workshop (2 hr); Nutrition Therapy (1 hr for allied optometric personnel) February 22,23, 2002.

Vision Expo East (New York, NY). Vitreoretinal Video Grand Rounds (2 hr.); Glaucoma Medications Update 2002 (2 hr.); Case Challenges in Glaucoma (1hr.); March 15-16, 2002

EyeQuest Conference (Rosemont, IL). Glaucoma Medications Update 2002 (2 hr.); Case Challenges in Glaucoma (2 hr.); Optic Nerve in Glaucoma (1 hr.). NSAID and Steroid Update 2002 (1 hr.) May 15-16, 2002

American Optometric Association Annual Congress(New Orleans, LA). Dry eye and Ocular Surface Disease (with B. Caffery, OD, 2hr.); Evolving Trends in Age-Related Macular Degeneration (2 hr.). June 21-22, 2002

Alabama Optometric Association Annual Summer Meeting (Destin, FL). New Management Strategies for AMD (1 hr.); Contemporary Management of NTG (1 hr.) July 18, 2002.

Hudson Valley Optometric Association (West Point, NY). Evolving Trends in Age-Related Macular Degeneration (2 hr.); Contemporary Management of Diabetic Retinopathy (1 hr.). Oct 18, 2002.

Mississippi Optometric Association (Jackson, MS). Evolving Trends in Age-Related Macular Degeneration (2 hr.); The OHTS (1 hr.); Glaucoma Medication Update (1 hr.). November 15, 2002.

American Academy of Optometry Annual Meeting (San Diego, CA). Diabetic Eye Disease – Cases in Point (2hr.); December 13,2002.

2003

NEWENCO Glaucoma course (Concord, NH). Gonioscopy (1hr); Optic Nerve Evaluation (2 hr.); Case Challenges in Glaucoma Care(2 hr); Medical Management of Glaucoma (2 hr). January 18-19.

SECO meeting 2003. Visual Field Interpretation (2 hr.). February 19.

Pennsylvania Glaucoma Management Program. 9 Lecture hours; produced by Pennsylvania College of Optometry. Luzerne County Community College, Nanticoke, PA. March 7,8

Tropical Sea E. 8 lecture hours: Diabetes: Contemporary Care in Diabetic Eye Disease (2); NSAID and Steroid Update (1); Gonioscopy Grand Rounds (1); Optic Nerve in Glaucoma (1); AIDS Update (1); Evolving Trends in AMD (1); Retinal / Vitreous Grand Rounds (2); Aruba, NA; April 2-5.

Midwest Vision conference; NSAID update (1), AMD (2); Survey of Ocular Trauma (2); Rosemont, IL; May 16

Oklahoma Association of Optometric Physicians; Glaucoma Update (1); Tulsa, OK; May 20

Tennessee Optometric Association; Evolving Trends in AMD (2); Chattanooga, TN; Sep 18

Vision Expo West; Evolving Trends in AMD (2); Imaging for Primary Care Practice (1); Vitreoretinal Video Grand Rounds (2); Las Vegas, NV; Sep 20

Oklahoma Association of Optometric Physicians; Vitreoretinal disorders of the posterior pole and periphery (2), Contemporary Glaucoma Management (2); Tulsa, OK Oct 11

Great Western Council of Optometrists; New Directions in Glaucoma Diagnosis and Management(1), Contemporary Care in Diabetic Eye Disease (2), New Contemporary Instrumentation for Visual Field testing (2), Case Challenges in Glaucoma (2). Portland, OR; Oct 17.

2004

University of Houston College of Optometry program 6 hours; Santa Fe, NM; Contemporary Care in Diabetic Eye Disease (2), Evolving Trends in AMD (2), Vitreoretinal disorders of the posterior pole and periphery (2). Jan 16, 17.

Michigan Optometric Association; E. Lansing, MI Contemporary Care in Diabetic Eye Disease (1), Vitreoretinal disorders of the posterior pole and periphery (2). Feb 4

Michigan Optometric Association (Practice Management University): Vitreoretinal Grand Rounds (2), Contemporary Care in Diabetic Retinopathy (2); East Lansing, MI; Feb 4.

Vision Expo East; Case challenges in glaucoma (1), Gonioscopy grand rounds (1), Glaucoma medications update (2), Neuroprotection in perspective (1); New York, NY; Mar 26,27.

Mountain West Council of Optometrists: Glaucoma in selected populations (1); Evolving trends in AMD (2), Vitreo-retinal disorders of the posterior pole and periphery (2); Las Vegas, NV; May 14.

Mountain States Optometric Association/Colorado Optometric Association: Evolving trends in AMD (2), Practical implications of the OHTS (1), Gonioscopy grand rounds (1); Snowmass, CO. July 10.

Southwest Florida Optometric Association: AIDS (1), Medical Errors (1), NSAIDS and steroids update (2), Captiva, FL; August 1.

University of Houston College of Optometry Program, DeHaven Eye Clinic, Evolving trends in macular degeneration (2), Vitreous abnormalities of the posterior pole and periphery (2); Tyler, TX, September 1.

Vision Expo West, Prevention of Medical errors (2), Gonioscopy grand rounds (1), Vitreoretinal video grand rounds (2); Las Vegas, NV, September 11.

Middle TN Optometric Society. Tolerability and persistence in glaucoma management (1); Nashville, TN; October 12.

East West Eye Conference: Gonioscopy workshop (2), NSAIDS and steroids update (2), UVR and the eye (1); Case challenges in glaucoma (2); Cleveland, OH; October 15.

California Optometric Association: Evolving trends in macular degeneration (2), Vitreous abnormalities of the posterior pole and periphery (2), Contemporary Care in Diabetic Retinopathy (2); Monterey, CA November 14, 15.

2005

Texas Optometric Association: Video vitreo-macular grand rounds (2), Practical implications of the OHTS and beyond (1), Austin, TX, February 24, 2005

SECO International: Neuroprotection in glaucoma (1 hr.), AMD in perspective (2 hr.). Atlanta, GA Feb 21.

Optometric Retina Society Annual Meeting, Macular Fundamentals (1), Panel Discussant, cases in retinal disease (2), San Francisco, CA, March 3.

Southwest council of Optometrists, Imaging update (1/3), Neuroprotection in Perspective (1), NSAID and steroid update (1), Retina Update (1), Glaucoma medications update (w/ G. Oliver, OD) (2), Dallas, TX, March 18, 2005

California Optometric Association, Prevention of Medical Errors (1), Evolving trends in AMD (2), Vitreo-retinal disorders of the posterior pole and periphery (2), NSAIDS and steroids update (2), Anaheim, CA March 30, 31.

New Orleans Contact Lens Society: UVR and the eye (1 hr.), Flashes and Floaters – What's New in Management of PVD (1 hr.), Case Challenges in Glaucoma (2 hrs.); New Orleans, LA, March 20, 2005.

OptoWeat Meeting: New Contemporary Instrumentation for Visual Field Evaluation (2 hr.), Contemporary Care in Diabetic Eye Disease (2 hr.), Case Challenges in Glaucoma (2 hrs.), Prevention of Medical Errors (2 hrs.); Anaheim, CA; March 31, April 1, 2005.

Indiana Optometric Association Annual Spring Educational Convention: Evolving Trends in Macular Degeneration (2 hrs.), Inflammatory Fundus Disorders (1 hr.); Indianapolis, IN; April 30, 2005.

Charleston, South Carolina Optometric Society: Management of Glaucoma (1 hr.), Charleston, SC, June 8, 2005

Virginia Optometric Association Annual Summer Meeting: Contemporary Care in Diabetic Eye Disease (2 hr.), NSAIDs and steroids update (2), Flashes and Floaters – What's New in Management of PVD (1 hr.); Williamsburg, VA; June 11, 2005.

American Optometric Association Annual Educational Congress: NSAIDs and steroids update (1), AIDS Update – 2005 (2 hr.); Dallas, TX June 23, 2005.

Las Vegas Ocular Disease Symposium: Glaucoma Medications Update (2 hr), Panelist Primary Eye Care (1 hr.); Las Vegas, NV August 1, 2005.

University of Houston College of Optometry Glaucoma diagnosis and management course: Practical implications of the OHTS (1 hr.), Glaucoma Medications Update (1 hr.), Workshop (2 hrs.); Houston, TX August 28, 2005.

OptoEast Meeting: Retina-vitreous Video Grand Rounds (2 hrs), Case Challenges in Glaucoma (2 hrs.); Atlantic City, NJ; September 16, 2005.

Continuing Professional Education Program: Glaucoma – Future Considerations (1 hr.); Ft. Worth, TX; Sep 9, 2005.

CE in Ft. Worth Fall Seminar: Flashes and Floaters – What's New in Management of PVD (1 hr.); Inflammatory Fundus Disorders (1 hr.); Ophthalmic application of NSAIDs and steroids (2 hr.), Case Challenges in Glaucoma; Ft Worth, TX October 1, 2, 2005.

North Dakota Optometric Association Annual Fall Meeting: Vitreoretinal Video Grand Rounds (2 hrs), Contemporary Care in Diabetic Eye Disease (2 hr.), Medical Errors (2 hrs); Fargo, ND; October 14, 15, 2005.

North Carolina State Optometric Society Annual Fall Educational Meeting: Complications in Glaucoma Management (2 hrs), NSAID and steroid update (2 hrs.); Asheville, NC; November 11, 2005.

Maryland Optometric Association 2005 Convention and Continuing Education Forum: Participant in legislated Steroid Course (with Dr. J Colgain, G Oliver, M Kedhar, 8 hrs.); Baltimore, MD Nov 12, 2005.

2006

SECO International: UVR and the eye (1 hr.), Innovations in Glaucoma Treatment What's New and What's True. (2 hr.). Beyond the Ophthalmoscope (2 hrs). Atlanta, GA Feb 25, 26, 2006.

Optometric Retina Society Annual Meeting, Ocular Fundus Evaluation: Evolving & Current Technologies (1), Overview: Identifying retinal manifestations of vascular disease. (1), Boston, MA, March , 24-25 2006

New Orleans Contact Lens Society: Complications in Glaucoma Management (2 hrs.); Structure and Function in Glaucoma diagnosis (2 hrs.) New Orleans, LA, March 19, 2006.

Omaha, Nebraska. Glaucoma program (1 hrs.) Treatment efficacy (1 hr.). March 22, 2006

Fayetteville, NC. Glaucoma program Complications in glaucoma treatment (1 hr.). March 15, 2006

Boston, MA. Optometric Retina Society Overview: Identifying retinal manifestations of vascular disease (1 hr.); Ocular Fundus Evaluation: Evolving & Current Technologies (1 hr.) March 23, 24, 2006.

Memphis, TN. West Tennessee Optometric Society. Complications in Glaucoma Management (1 hr.). April 17, 2006.

Denver , CO. Colorado Optometric Glaucoma Society. The Basic Glaucoma Examination (2 hr.), Case Presentations (2 hrs.), May 7, 2006

Fullerton, CA. SCCO Ocular Disease Program. Vitreoretinal disorders of the posterior pole and peripheral retina (2 hrs.), July 8, 2006

Queenstown, NZ. Snowvision Downunder. Complications in Glaucoma Management (2 hrs.); Gonioscopy workshop (2 hrs), AMD in perspective (2 hr.), August 3-5, 2006

Las Vegas, NV. Vision Expo West. Retinal/Vitreous Video Grand Rounds (2 hrs.), Optic Nerve and NFL Evaluation (2 hrs.), The role of Evidence-Based Medicine in Treating Ocular Surface Disease (1 hr.), Age-related Macular Degeneration (3 hrs.), Evolving Strategies for Neovascular AMD (1 hr.), Structure and Function in AMD (1 hr.); September 13, 14, 2006.

Syracuse, NY. SUNY's 6th Annual Syracuse Program. NSAID and Steroid Update (1 hr.), Evolving Trends in AMD (2 hrs.), Inflammatory Fundus Disorders (1 hr.), The retinal Evaluation: Beyond the Ophthalmoscope (2hrs.), November 5, 2006.

Alexandria, VA. Federal Service Optometry Meeting. NSAIDs and Steroid Update (2 hrs), Innovations in Glaucoma Treatment (2 hrs.), November 1, 2006.

Philadelphia, PA. PCON Meeting. Oral medication and ocular sequelae (1 hr) with Dr. Nick Holdeman, The many faces of thyroid eye disease (1 hr) with Dr. Nick Holdeman,

Contemporary management of macular disease (1 hr) with Dr. Nick Holdeman.
Glaucoma technologies for the primary care optometry practice (1 hr) with Dr. Bruce Onofrey. November 17, 18, 2006.

Hilton Head, SC. South Carolina Annual Meeting Ocular Surface Disease Grand Rounds (1 hr.), Retinal/Vitreous Video Grand Rounds (2 hrs.), Optic Nerve and NFL Evaluation (2 hrs.), Complications in Glaucoma Management (2 hrs.), November 30, December 1, 2006.

2007

Video-retinal video Grand Rounds (2 hrs); Evolving Trends in macular degeneration (2 hrs.) Vision Expo East, New York, NY, March 24, 25, 2007.

Evolving trends in AMD (2 hrs); Complications in glaucoma management (2 hrs); The role of evidence-based medicine in treating ocular surface disease (1 hr.)

Midwest Vision Conference, Rosemont, IL, May 9-10, 2007.

Complications in glaucoma management (2 hrs);

Ft. Wayne Ophthalmology, Ft. Wayne, IN, June 7, 2007.

Inflammatory fundus disorders (1 hr.), Evolving trends in NV AMD (1 hr.)

Laurel Eye Clinic Program, Blairsville, PA; June 21, 2007.

Inflammatory fundus disorders (1 hr.), Evolving trends in NV AMD (2 hr.), Retinal evaluation – Beyond the ophthalmoscope (2 hrs.);

AOA annual Congress, Boston, MA, June 28-30, 2007.

Evolving trends in AMD (2 hrs), Glaucoma Technologies for the Primary Care Practice (2 hrs), Colorado Vision Summit, Colorado Springs, CO, July 14, 2007.

Complications in Glaucoma Management (2 hrs), Evolving trends in AMD (2 hrs), University of Houston College of Optometry Reunion Program, Estes, Park, CO July 23, 2007.

New Insights in Glaucoma Management (1 hr), as faculty for Allergan Regional Consultants, Woodinville, WA September 28, 2007.

Complications in Glaucoma Management (2 hrs), ONH and RNFL evaluation (2 hrs), East-West Eyecare Meeting, Cleveland, OH, October 4 - 5, 2007.

Pharmacology Update (with Drs. Bruce Onofrey and Eric Schmidt) 3 hrs,

Complications in Glaucoma Management (2 hrs), ONH and RNFL evaluation (2 hrs), Great Western Council of Optometrists meeting, Portland, OR, October 13, 14, 2007.

Inflammatory Fundus Disorders (1 hr), AAO annual Ellerbrock Course, Tampa, FL October 24, 2007.

Glaucoma Technologies for the Primary Care Practice (2 hrs), Assistants' CE: Primer of ocular fundus findings (2 hrs), North Carolina State Optometric Society annual meeting, Asheville, NC, November 9 – 10, 2007.

2009

New Jersey Chapter of the AAO

Diabetic Eye Care (2 hours); Evolving trends in AMD (2 hours);

Florida Chapter of the AAO

Prevention of Medical Errors (2 hours); Diabetic Eye Care (2 hours); AIDS and Infection Control Update (1 hour)

Northwest Florida Optometric Association

Medical errors (2 hrs), Optic nerve and RNFL evaluation (2hrs), Pharmacology update (2 hrs)

Georgia Optometric Association

Medical management of glaucoma (2 hrs), Optic nerve and RNFL evaluation (2hrs)

American Optometric Association

Glaucoma update (1 hr.), Inflammation in the coualr fundus (2 hrs, with D. Schectman, OD). New Technologies in Ophthalmic Practice (2 hours, with I. B. Gaddie, OD)

Indiana Optometric Association

Medical management of glaucoma (2 hrs), Glaucoma, the rules have changed (1 hr).

Optometric Retina Society

Managing Fundus Inflammation Secondary to Infection (1 hr), Age-related Macular Degeneration. New Technologies to Detect it and New Treatments (with: Rex Ballinger, OD; Steve Ferrucci, OD, 1 hr), Case Challenges in retinal disease (with Rex Ballinger, OD, Joe Sowka, OD, Steve Ferrucci, OD, Jeffry Gerson, OD, David Eldridge, OD, 1 hr).

Optometric glaucoma Society (Residents' glaucoma meeting)

IOP and Pachymetry (1/2 hr), OHTS and beyond (1/2 hr), Case presentations in glaucoma (2 hrs with J. Flanagan, M. Fingeret, M Chaglasian, I.B. Gaddie)

Wisconsin Optometric Association
Optic nerve and RNFL evaluation (2hrs), Diabetic Eye Care (2 hours);

Optometric Glaucoma Society

Midwest glaucoma symposium (various topics: blood flow in glaucoma, IOP and pachymetry, case studies, 4 hours with M. Fingeret, M Chaglasian, I.B. Gaddie, R. Prouty, J Sowka, RP Wooldridge)

American Academy of Optometry

Glaucoma, the rules have changed (1 hr).

2010

SkiVison Meeting

Ben Gaddie and Leo Semes Evaluating New Technology for Your Practice: Glaucoma and Retinal Applications (2 hrs)

Leo Semes NSAIDs and Steroids Update (1 hr)

Texas Optometric Association Annual Meeting

Optic Nerve and RNFL Evaluation (2 hrs)

Posterior Segment Grand Rounds (2 hrs)

Southwest Council of Optometrists Annual Meeting

Optic Nerve and RNFL Evaluation (2 hrs)

Rapid Fire with T. Than, IB Gaddie, W. Townsend

Shoot Out (quiz program synthesized for Optometry student competition) with Than, IB Gaddie, W. Townsend.

Newtritional dimensions in nonNVAMD (1 hr)

California Optometric Association – Spring meeting

Navigating the Nerve (1 hr)

Diabetes and the Eye (2 hrs)

Medical management of Glaucoma (2 hrs)

Glaucoma, the rules have changed (1 hr).

University of Missouri St. Louis

Vascular disease and AMD (1 hr)

Vascular disease and glaucoma (1 hr)

Nutrition, Activity, Smoking Cessation, Sunlight, Sleep & Stress Reduction (1 hr)

Pinellas County (FL) Optometric Society

Newtritional dimensions in non-NVAMD (1 hr)

Prevention of Medical errors (2 hrs)

AMD case challenges (1 hr)

University of Houston College of Optometry (Everything Retina Program)

Macular disease when it's not AMD (1 hr)
Inflammatory fundus disorders (1 hr)
Posterior Segment Grand Rounds (2 hrs)

Indiana Optometric Association
Medical management of Glaucoma (2 hrs)
Glaucoma, the rules have changed (1 hr).

The Ohio State University College of Optometry
Glaucoma – it's not all about the pressure (3 hrs)
Posterior Segment Grand Rounds (2 hrs)

University of Houston College of Optometry
Posterior Segment Grand Rounds (2 hrs)
Optic Nerve and RNFL Evaluation (2 hrs)

Northern Rockies Optometric Council
Posterior Segment Grand Rounds (2 hrs)
Evaluating New Technology for Your Practice: Glaucoma and Retinal Applications (2 hrs)

University of Houston College of Optometry
Is this glaucoma? (2 hrs) with D. Marrelli
Blood Flow in Glaucoma (1 hr)
Nutrition and AMD (1 hr)

Vision Expo West
Blood Flow in Glaucoma (1 hr)
Optic Nerve and RNFL Evaluation with IB Gaddie (2 hrs)
Posterior Segment Grand Rounds (2 hrs)

Geisinger Medical Center
Optic Nerve and RNFL Evaluation (2 hrs)
Medical management of Glaucoma (2 hrs)

Iowa Optometric Association Hawkeye Conference
Posterior Segment Grand Rounds (2 hrs)
Point-counterpoint in glaucoma (2 hrs) with: M. Fingeret
Vitreoretinal Abnormalities (2 hrs)
Tennessee Optometric Association Fall Educational Conference
Navigating the Nerve (2 hrs)
Inflammatory Fundus disorders (1 hr)
Oral NSAIDs – optometric applications (1 hr)

West Coast Optometric Glaucoma Society Meeting

Does ocular perfusion pressure have a role in the diagnosis and management of glaucoma?

Patient Communication in glaucoma therapy.

Case presentation with: M. Chaglasian, M. Fingeret, R. Wooldridge

2011

UABSO Evening CE series: Blood flow and glaucoma (1 hr).

Prevention of Medical Errors (2) **SECO 2011**

NSAIDs and Steroids Update (1)

AIDS and Infection Control (1)

Interpreting the OCT (2)

Interpreting the OCT (2)

New Orleans Contact Lens Society

Is this glaucoma? (2)

Optic nerve assessment (1) **East Coast Optometric Glaucoma Society Meeting**

Point-Counterpoint – Perimetry is as important as the optic nerve assessment (including imaging) in the diagnosis of glaucoma. Agree or Disagree? (1)

Target IOP (1)

Medical Management of Glaucoma (2)

Ontario Association of Optometrists

Is this glaucoma? (2)

Optometric Glaucoma Society Specialty Day @ **AOA**

Compliance in glaucoma management (1)

Selective Perimetry – Now (1)

Optometric Retina Society Specialty Day @ **AOA**

Vascular disease and AMD (1)

Is this glaucoma? (2); co-presenter: I.B. Gaddie, OD

Newtrition and the eye (1)

Is this glaucoma? (2)

Colorado Optometric Association

Posterior Segment Grand Rounds (2)

Newtritional dimensions in AMD (1)

Ohio Optometric Association

Infection Control (1)

Blood Flow in glaucoma (1)

Is this glaucoma? (2) co-presenter: M. Chaglasian, OD **SUNY College of Optometry**

Posterior Segment Grand Rounds (2)
Blood flow and glaucoma (1)

Medical Management of Glaucoma (2) **North Carolina State Optometric Society**
Is this glaucoma? (2)
Posterior Segment Grand Rounds (2)

2012

Is this Glaucoma? (2hrs)
Posterior Segment Grand Rounds (2 hrs)
Hawaii Optometric Association Honolulu, HI January 14, 15, 2012.

Nutritional Support for AMD (2 hrs)
MedEdicus presentation (Miami, FL) February 3, 2012

Intraocular pressure
Initiating Therapy; Target IOP
Is Neuroprotection part of the therapy of glaucoma?
Where does laser trabeculoplasty have a place in the management of glaucoma?
Optometric Glaucoma Society Residents' Annual Meeting, Ft. Worth, TX February 4-5,
2012

Medical Errors (2 hrs)
Scleral Indentation Workshop (2 hrs)
Is this Glaucoma? (2hrs)
SECO Meeting, Atlant , GA March 1-3

Point Counterpoint In Glaucoma (with R. Madonna, M. Fingeret) (2 hrs)
Old Dogs New Tricks – cases from the ORS (with M. Dunbar, S. Ferrucci) (2 hrs)
What? You don't have OCT yet? (with D. Shechtman) (1 hr)
Management of Non Neovascular AMD (1 hr)
Vision Expo- East March 23,24, 2012

Interpreting the OCT (2 hrs)
Is this Glaucoma? (2hrs)
New Orleans Contact Lens Society, March 25, 2012

What Can I do if PGA Monotherapy is Not Enough: Secondary Agents?
Are We Doing a Better Job Preventing People from Going Blind?
East Coast Glaucoma Society Meeting, Bethesda, MD April 14, 2012

Posterior Segment Grand Rounds (1 hr)
OCT in Glaucoma (1 hr)
CONGRESO 2012 DE PELICULA, Bogotá, Columbia. May 18, 19, 2012

Gonioscopy (1 hr)
Optic Nerve and RNFL Evaluation (2 hrs)
Blood Flow in Glaucoma (1 hr)
Medical Management of Glaucoma (2 hrs)
Is this Glaucoma? (2hrs)
Saskatchewan Association of Optometrists June 1, 2, 2012

Is this Glaucoma? (2hrs)
Interpreting the OCT (2 hrs)
Blood Flow in Glaucoma (1 hr)
Virginia Optometric Association June 28, 2012

OCT for macula (1)
OCT for glaucoma (1)
Optovision 2012
Lima, Peru October 6-7, 2012

Adventures in Posterior Segment Grand Rounds (2)
Isthisglaucoma (2)
Blood flow in glaucoma (1)
Vision Expo West
Las Vegas, NV Sep 5-7

Isthisglaucoma (2)
Top 10 AMD, etc (with J. Thimmons, E. Schmidt) 3
What? You don't have OCT yet? (1)
GWCO
Portland, OR Sep 30

2013

SECO annual meeting February 2013.

Retina mysteries revealed (2 hrs)
Maximum medical therapy in glaucoma (1 hr)
Can VF testing detect progression (program segment with M. Chaglasian, J. Flanagan)

UABSO CE February 2013.

I ran an OCT now what. (1 hr with E. Steele)

New England College of Optometry March 2013.

Advancing Primary Care Optometry through Technology (3 hrs).

New Orleans contact Lens Society March 2013.

Top 10 Therapeutics (2 hrs)

Retina mysteries revealed (2 hrs)

Vision Expo East March 2013.

VF, initiating, follow-up segment for Putting it all together glaucoma curriculum (2 hrs. with M. Fingeret, I.B. Gaddie)

Starting therapy in glaucoma. (2 hr. with R. Madonna)

Nova Southeastern University College of Optometry March 2013.

Rethinking the role of IOP in the diagnosis and management of open-angle glaucoma. (1 hr)

OGS Residents' meeting January 2013.

Initiating therapy, baseline IOP, monocular trials in glaucoma. (1 hr)

Angle-closure Glaucoma (1 hr)

VF single field assessment (1 hr)

Tennessee Optometric Association 4th annual Spring Tennessee Optometric Physicians Association meeting. April 2013.

Is this glaucoma? (2 hrs)

Blood flow in glaucoma (1 hr)

Medical management of glaucoma (1 hr)

Newtritional dimensions in nonneovascular AMD. (1 hr)

OptoWest California Optometric Association

Adventures in the vitreous (2 hrs)

Summing Up-Nutrition, Activity, Smoking Cessation, Sunlight, Sleep & Stress Reduction (1 hr)

NSAIDS and steroid update (2 hrs)

Diagnostic pharm basics (1 hr – paraoptometric lecture)

What happens to the retina of a diabetic. (1 hr – paraoptometric lecture)

SkiVision February 2013

What! You don't have OCT yet? (1 hr)

UMSL School of Optometry April 2013

Rethinking the role of IOP in the diagnosis and management of open-angle glaucoma. (1 hr)

West Florida Optometric Association May 2013

Prevention of Medical Errors (2 Hrs)

Interpreting the OCT (2 hrs)

Is this glaucoma? (2 hrs)

Mountain West Council of Optometrists May 2013

Posterior Uveitis (1 hr) with D. Shectman, OD

Interpreting the OCT (2 hrs)

West Virginia Association of Optometric Physicians May 2013

Interpreting the OCT (2 hrs)

Is this glaucoma? (2 hrs)

Retina mysteries revealed (2 hrs)

Mississippi Optometric Association June 2013

Is this glaucoma? (2 hrs)

Blood flow in glaucoma (1 hr)

Medical management of glaucoma (1 hr)

AOA Annual Congress June 2013

Medical management of glaucoma (1 hr)

Interpreting the OCT (2 hrs)

CE in the Rockies (UHCO program) July 2013

Is this glaucoma? (2 hrs) with D. Marrelli, OD

Retina mysteries revealed (2 hrs)

Vision Expo West October 2013

Glaucoma symposium with I.B.Gaddie, M. Fingeret, R. Madonna, M. Chaglasian)
4 hrs.

Michigan College of Optometry October 2013

Rethinking the role of IOP in the diagnosis and management of open-angle glaucoma. (1 hr)

AAO Elerbrock CE series Seattle, WA October 2013

Interpreting the OCT (2 hrs)

Ohio Vision Foundation November 2013

Interpreting the OCT (2 hrs)

Is this glaucoma? (2 hrs)

Retina mysteries revealed (2 hrs)

West Coast Optometric Glaucoma Society Symposium December 2013

Is glaucoma Associated with Systemic Disease?

Sleep Apnea and Glaucoma

2014

SECO annual meeting February 2014.

AMD and AREDS 2, too (1 hr)

Is this glaucoma? (2 hrs)

UABSO CE AAO Student Chapter Program April 2014.

Something New, something askew? (0.3 hrs)

New Orleans contact Lens Society March 2013.

Technology in Eye Care (4 hrs)

Vision Expo East March 2014.

VF, initiating, follow-up segment for Putting it all together glaucoma curriculum (2 hrs. with M. Fingeret, I.B. Gaddie)

Starting therapy in glaucoma. (2 hr. with R. Madonna)

University of Houston College of Optometry March 2014.

Treatment Possibilities for the Treatment of Elevated IOP. (1 hr)

Northeastern State University of Oklahoma College of Optometry March 2014

Treatment Possibilities for the Treatment of Elevated IOP. (1 hr)

Tennessee Optometric Association 4th annual Spring Tennessee Optometric Physicians Association meeting. September 2014.

SkiVision February 2013

A day in the Retina Clinic (with I. B. Gaddie) (1 hr)

UMSL School of Optometry April 2014

Treatment Possibilities for the Treatment of Elevated IOP. (1 hr)

West Florida Optometric Association April 2013

Prevention of Medical Errors (2 Hrs)

Advances in Eyecare – Top 10 (2 hrs)

Heart of America Contact Lens and Primary Eye Care Conference (Kansas City, MO) February 2014

Advances in Eyecare Research (2 hrs with J. Gerson and L. Jones)

Blood Flow in Glaucoma (1 hr)

Retina mysteries revealed (2 hrs)

Medical management of glaucoma (1 hr)

Vision Expo West October 2014

Glaucoma symposium with I.B.Gaddie, M. Fingeret, R. Madonna, M. Chaglasian)
4 hrs.

Innovations in Optometry Seminar April 2014

Is this glaucoma (2 hrs)
A day in the retina Clinic (2 hrs)

Florida Chapter of the AAO May 2014

Interpreting the OCT (2 hrs)
Is this glaucoma? (2 hrs)

Retina mysteries revealed (2 hrs)**University of California Berkeley 25th Annual Berkeley Practicum**

Adventures in Posterior Segment Grand Rounds (2 hrs)

Optometric Retina Society Annual Meeting

Keynote address: ABCs of Retinal Disease (1 hr)
Imaging and AMD (2 hrs) with M. Dunbar and B. Sutton
Nutrition and Genetics (Moderator) with M. Dunbar and S. Reynolds

University of New south Wales (Sydney, Australia)

14 Hours in ocular disease as a component of the course OPTM-7513 leading to the MS degree in Optometry.

2015**Mississippi Optometric Association Summer conference**

Blood flow in glaucoma (New Perspectives)
AMD and AREDS2, too.
Greatest Retina Grand Rounds Course Ever

AOA Annual Congress

Is this glaucoma? With D. Marrelli and M. Chaglasian
Retina Grand Rounds With S. Ferrucci, M. Dunbar and J. Haynie

Innovations in Optometry Seminar

Blood Flow in Glaucoma (New Perspectives)
NSAIDs and Steroids.

West Florida Optometric Association

Adventures in the Vitreous

Blood Flow in Glaucoma (New Perspectives)

Other PRESENTATIONS

"The Indications and Procedures for Use of the Friedman Central Field Analyser" - Presented as part of Module IV Clinical Seminar Series (F.M. Barker, II, O.D., Chief), July, 1979.

"Horner's Syndrome - Pharmacological Differentiation" - Presented as part of Module III Clinical Seminar (J.S. Nyman, O.D., Chief), July, 1979.

"Color Slides for Color Vision Testing" presented before the annual meeting of the American Academy of Optometry, Anaheim, California, December 12, 1979.

"Management of the Color Deficient Patient" in Clinical Management in Vision Care Course - Optometry III, December, 1979.

"An Outline of External Ocular Disease" and "Procedure for Direct Ophthalmoscopy with Normal Fundus and Commonly Encountered Abnormalities" - two 1-hour lectures presented to graduates in nursing (November, 1979).

"An Overview of the Fundus Oculi" Presented to Level IV Nursing students - 2 hour lecture (October, 1979; January, 1980; March, 1980; June, 1980, January 1981, March 1981).

"Practical Ophthalmoscopy for Nurse Practitioners" - Presented to Ob-GYN Nurse Practitioners, May 9, 1980; August 11, 1980.

"The Peripheral Retina" - Presented as Guest Lecture in Ocular Disease for Optometry III for Dr. L.J. Alexander (4 hrs), April, 1980; (10 hours), January, 1984; (8 hrs), January 1985.

"Scleral Indentation" - Presented to UABSO Residents, April, 1980; April; 1981; April 1982; August 1983; August 1984.

"Vitreous and Peripheral Retina" - Presented to UABSO Residents, October, 1980; October, 1981; January, 1983, October 1983; October 1984.

Various Residency Presentations annually to date; average 12).

"Three new ideas in visual fields" as part of the AAO Student Chapter CE event April 25, 2013 at UABSO.

ADDITIONAL OPTOMETRIC ACCOMPLISHMENTS

Student Optometric Service to Haiti (SOSH) - 1978. A volunteer diagnostic and treatment team delivering free eye-care services to the people of Cap Haitian, Haiti, for two weeks annually. Secretary, 1978.

Interdisciplinary health: Optometry Coordinator for the Philadelphia Interdisciplinary Health and Education Program (PHIHEP). Education of Health professionals in the delivery of team health care. 1979

Supervising Optometrist for Lindley-Olney Lion's Club Vision Screenings - Nov., 1978; March, 1979.

Consultant to NBEO (Item Writer) for 1981 and 1987 Board. Chief Proctor for National Board of Examiners in Optometry at UAB School of Optometry - 1980 to 1984.

Chairman, Faculty Senate of UAB School of Optometry 1980 to October 1982.

Instituted Retina Referral Clinic within the Division of Special Testing 1980.

Chief, Division of Primary Care Services, UAB School of Optometry - October, 1980 to 1993.

Chairman, Intramural Practice Committee, UAB School of Optometry - October, 1980 to 1983.

Clinical Assistant Professor, School of Nursing, UAB. January 1981 to date.

Faculty advisor to S.O.S.H. trip to Merida, Yucatan, Mexico, July 1981.

Served as Medical Center representative to UAB Citation Review Board August 1980 to February 1982.

Served as School of Optometry representative for Board of Trustees Medical Center presentation, March 1981.

MIST (Medical Information Services via Telephone) Participant 1980 - date.

Member: Admissions Committee (1983); Faculty Affairs Committee (1984-1993); Intramural Practice Committee PSRO member (1986-1992); University Optometric Group Advisory Board Member 2003-date

Ad hoc committees:

Future of the School of Optometry (1983)
Chair; Achievement Standards Subcommittee (1983), Chair
Teaching Methods (1990)
Curriculum Committee (1991 – 1998)
Curriculum committee (2010 – date)

Member, COE/CCOC Visitation Accreditation Team 1989 - 2000

NBEO - UAB Liaison Officer 1984 to 2000.

Director, Office of Continuing Education, 1985 to 2009.

Editorial Review Board, Am Journal Optometric Medicine; 1988 to 1989.

Editorial Review Board (and Book Review Section Coordinator), Clinical Eye and Vision Care; 1988 to 1995.

Editorial Review Board Primary Care Optometry News; 1996 – date

Editorial Review Board Member (Retina Section) Optometry Times 2008-date

Editorial Board Member

Director, Externship Programs 2010 - date.

Service as Journal Referee / Review Board Member

Optometry (successor to: *Journal of the American Optometric Association* – referee, Editorial Review Board Member 1991-6; 1998-date.

Optometry and Vision Science – referee 1989-date

Optometric Education – UAB liaison/representative/reviewer

Optometry Today – reviewer

Review of Optometry - review board member

Clinical Eye and Vision Care – Book Review Section Editor through 1998

Primary Care Optometry News – “What’s your diagnosis?” section Editor;

Editorial Review Board Member 1995- date

Contact Lens Spectrum – contributing editor (Treatment plan); 2002-date

Optometric Management – editorial board member

Contemporary Optometry – Editorial Board 2002-2010

Founding member – Optometric Glaucoma Society 2002

Industry Relations committee Chair, 2002-4

Executive Committee member 2002-date

e-Journal Editorial Board member 2005-2011

Founding Fellow – Optometric Retina Society 2003
Membership Committee 2003, 2004
Board of Directors 2003-date
Program Committee 2005, 2006, 2007

Secretary Optometric Glaucoma Society, 2011-date.

Member, First Glaucoma Educators Meeting Forum, December 6, 2006,
Denver , CO.

Participant OGS Educators meeting to develop a curriculum model for
glaucoma education in the Schools and Colleges of Optometry (2006-date)

CoChair for annual meetings in 2009, 2010

Presenter for Optometric glaucoma society Annual Residents' meeting
2008 – date Topics include

Blood flow and glaucoma
Gonioscopy
IOP and Pachymetry

PROFESSIONAL, UNIVERSITY, SCHOOL and COMMUNITY SERVICE

Brookwood Health Fair Volunteer April, 1980; April 1981.

Jefferson Health Foundation Health Fair Volunteer November, 1980.

Participated with Dr. N.E. Leach in Ocular Examination of Gorilla for The Birmingham Zoo, February 1981.

The Children's Hospital - Eye and Vision Screening Team, July 1985 - 1991.

Optimist Club - Ocular Injuries, Nov. 7, 1989.

Eastlake Methodist Church, Senior Citizens - Eye Disease in the Elderly, November 1991.

Hoover/Riverchase Rotary Club - Ultraviolet Radiation Effects and Protection, January 7, 1992.

UAB Speaker's Bureau (Pelham seniors January 1995 – 97)

Member, AOA Project team on UV radiation; co-author of AOA position paper on UVR protection 1996

Member, Conflict of interest Review Board UAB 1995-98.

Introduction to Clinical Medicine Course Instructor Fall 1996

Advisory panel, *Cooking Light*. Julius Linn, MD, Editor-in-Chief, 1993- date

Participant National Diabetes Month sponsored by Clinical Care Centers of AOA 1996 date

Faculty Advisor Pi Epsilon Chi - Optometric Service Fraternity 1995 –date

Participant Vision USA program sponsored by AOA 1995 – date

Member, AOA / COE accreditation visit TOSU College of Optometry (November 1996)

Pi Epsilon Chi Lecture Series (Visual fields) March, 1997)

AOA media resource person on UVR 1995- date

Greystone Residents Advisory Board Safety and Security Committee member (1998-1999)

Panel member Clinical Practice Guidelines

Ocular Surface Disease [2001-3]; **Principal Author for 2003 Revision; Principal Author for 2010 Revision**

Retinal Detachment and Peripheral Retinal Examination [1999-2000]

National Optometry Advisory Board – Pfizer Ophthalmics 2002-2010

Glaucoma Advisory Board – Alcon Laboratories, Inc. 2000 – date

UAB School of Optometry Honor Council Chair 2003 – 2008

OFAC member 2005-date

Residency Conference assignment 10

Friends of Jemison Park. This organization is active in the environmental well being of the Shades Creek Basin. We undertake ecological projects to maintain the park and surrounding land. 2005- 2010

Qualified as a reviewer for COPE applications, Association of Regulatory Boards of Optometry, March 2005 - date. Average annual courses reviewed: 12

Miscellaneous UAB School of Optometry activities 1999 – date

Pi Epsilon Chi Eyecare for the Homeless project

Open house tour guide for Primary care and OD/LV clinics, 2000, 2001.

Presentation to Enrichment class at Greystone Elementary School, October 6, 2000 on anatomy of the eye; dissected bovine eyeballs

Presentation on refractive surgery to the Metro Sertoma Club August, 2001

Presentation on AMD to the Civitan Club of Birmingham March 2002

Miscellaneous UAB Activities 1999 – date

UAB Staff and Benevolent Fund group coordinator for School of Optometry Faculty Marshall representing UABSO at University graduation ceremonies, (June 1999)

Contributed articles on UV radiation through the Media Relations department to various publications including Birmingham News and Redbook magazine. 2000-2006

Student AAO Chapter lecture: Journal Review 2010

National Optometric Activities 1999- date

Participant Vision USA Program of AOA

Participant Annual National Diabetes Month, CCC of AOA

Curriculum Committee member; through 2000

Admissions Committee since through 2001

Prepared "Dear Doctors" column reply for National Glaucoma Month through UAB media relations department appearing in the Birmingham News Jan 22, 2001.

2002 UAB-Minority Medical Education Program (Summer 2002) – mentored college-level students and college graduates for 4 weeks in clinic

Advisory panel, *Cooking Light*. Julius Linn, MD, Editor-in-Chief, 1993- 2004

Janoff Award judge (2008-date)

Chair, AOA Health and Nutrition Committee (2009 – date)

Executive committee member, Optometric glaucoma society 2006-date

Nominations Committee Chair 2009-date

Vice President, Optometric retina society 2008-2010

Education and Program Planning Committee member, Optometric retina society 2010-date

Optometric Glaucoma Society, Secretary 2011- date.

Awards Committee Member, Optometric retina society 2010-date

UAB University-wide graduation Marshall May 2013

Grants and Contracts

1996-97

1. *Optometry Today* for test grading; generating >\$15,000 annually
2. Cooperative contractual agreements with The Laser Center and Vision America Laser Centers to underwrite CE (generated > \$6000.)
3. Continuing contract with CLAO to underwrite CE credit for annual meeting (\$2400)
4. Cooperative TQ underwriting effort with SECO generating > \$10,000
5. Cosponsored teleconference with CibaVision; contract for > \$1000
6. Developed Internet course with Optometry Today (revenue)
7. Coordinated TQ program for Eyequest meeting generating > \$6000

1997-98

1. The Laser Center and Vision America Laser Centers, Continuing Education Seminars, ~\$4000.00 (1 yr, renewable)
2. CLAO Annual Meeting CE Co-sponsorship (\$2800.00)
3. Southern Council of Optometrists TQ testing program ~\$11,000.00
4. Eyequest Meeting TQ testing program ~\$7,000.00
5. *Optometry Today* CE test qualification and grading program ~\$15,000.00
6. Nebraska Optometric Association – Glaucoma Refresher Course (\$18,000, July, November)
7. Alcon Laboratories, Inc. \$20,000, Leo Semes, OD [PI], “Efficacy and Long-Term Safety of the Landec Punctal Occlusion System” (2 year term 7/98-7/00)
8. National Eye Research Foundation – Contemporary Ocular Pharmaceuticals (\$60,000 [not funded])

1998-99

1. Diversified Ophthalmics (Kings Island, OH); \$1500.00 UABSO Office of CE;
2. The Laser Center (Tulsa, OK) \$1700.00 ; UABSO Office of CE;
3. The Laser Center (Tulsa, OK) \$2800.00 ; UABSO Office of CE;
4. Gilbert Cataract Center, Jacksonville, FL, (co-sponsorship contract); \$3060; UABSO Office of CE
5. NovaMed Alliance, New Albany, IN, (co-sponsorship contract); \$1500; UABSO Office of CE
6. Review of Optometry; test qualification and grading contract; \$37,300; UABSO Office of CE
7. Eyequest Conference and Exhibition / TQ testing program contract \$33,700.00 (1 year); UABSO Office of CE
8. Ocular Instruments, Inc.; Gonioscopy for the primary eyecare practitioner (video); Leo Semes, OD (PI); >\$10,000 to date
9. Alcon Laboratories, Inc. “Efficacy and Long-Term Safety of the Landec Punctal Occlusion System” Leo Semes, OD [PI] \$16,000, 5%; 8/98 – 8/00.

10. Ciba Vision (NCLE Home study contract) \$2800.00; UABSO Office of CE; 1997-00
11. CLAO Annual Meeting (\$3000.00 Annual); UABSO Office of CE; 1998
12. Southern Council of Optometrists TQ testing program contract \$7,300.00 (1998); UABSO Office of CE
13. Eyequest Meeting TQ testing program contract \$33,700.00 (1998); UABSO Office of CE
14. Jobson Publishing test qualification and grading contract; \$15,300; UABSO Office of CE (1999)

1999-2000

1. Diversified Ophthalmics (Kings Island, OH); \$1500.00 UABSO Office of CE (2000)
2. Gilbert Cataract Center, Jacksonville, FL, (co-sponsorship contract); \$3060; UABSO Office of CE (2000)
3. NovaMed Alliance, New Albany, IN, (co-sponsorship contract); \$2250; UABSO Office of CE (2000)
4. Review of Optometry; test qualification and grading contract; \$37,300; UABSO Office of CE (2000)
5. Eyequest Conference and Exhibition / TQ testing program contract \$33,700.00 (2000); UABSO Office of CE
6. Contact Lens Association of Ophthalmologists Annual Meeting (content certification contract) \$2500; UABSO Office of CE
7. Southern Council of Optometrists TQ testing program contract \$7,300.00 (2000); UABSO Office of CE
8. Eyequest Meeting TQ testing program contract \$33,700.00 (2000); UABSO Office of CE

2001-02

1. Diversified Ophthalmics (Kings Island, OH); \$1500.00 UABSO Office of CE (2001)
2. NovaMed Alliance, New Albany, IN, (co-sponsorship contract); \$2250; UABSO Office of CE (2001)
3. Review of Optometry; test qualification and grading contract; \$25,200; UABSO Office of CE (2001)
4. Eyequest Conference and Exhibition / TQ testing program contract \$20,000.00 (2001); UABSO Office of CE
5. Contact Lens Association of Ophthalmologists Annual Meeting (content certification contract) \$3500; UABSO Office of CE (2001)
6. American Optometric Association Annual Congress. TQ test qualification program. \$5,000. (2001) UABSO Office of CE
7. Cooper Vision Internet CE program. \$1500.00. (2001) UABSO Office of CE

8. Oculus USA: Comparison of SITA-standard 30-2 with Oculus Fast 24 Visual Fields in Normal and Glaucoma Patients \$3750.00 (2002)
9. Eyequest Meeting TQ testing program contract \$33,700.00 (2001); UABSO Office of CE
10. SECO meeting. TQ test qualification program. \$15,000. (2002) UABSO Office of CE

2002-03

1. Eyequest Conference and Exhibition / TQ testing program contract \$15,000.00 (2002); UABSO Office of CE; awarded
2. American Optometric Association Annual Congress. TQ test qualification program. \$5,000. (1 year) UABSO Office of CE; awarded
3. Cooper Vision Internet CE program. \$1500.00. (2002) UABSO Office of CE; awarded
4. PACE/Pharmacia Content Certification Contract. \$1500.00 (2002)
5. SECO meeting. TQ test qualification program. \$7,000. (2003) UABSO Office of CE; awarded
6. Eyequest Meeting TQ testing program contract \$33,700.00 (Annual); UABSO Office of CE; 1994-2001 (May)
7. SECO meeting. TQ test qualification program. \$7,000. (2003) UABSO Office of CE; awarded
8. CLAO annual meeting. Co-sponsorship of Education. \$750 (2003) UABSO Office of CE; awarded
9. Eye Center of the South annual meeting TQ contract. \$3500 (2003) UABSO Office of CE
10. Review of Optometry; test qualification and grading contract; \$25,200; UABSO Office of CE
11. New Orleans Contact Lens Society annual meeting CE Co-sponsorship. \$1000.00 (2003) UABSO Office of CE; awarded

2003-04

1. American Optometric Association Annual Congress. TQ test qualification program. \$5,000. (2004) UABSO Office of CE
2. Cooper Vision Internet CE program. \$1500.00. (2004) UABSO Office of CE
3. SECO meeting. TQ test qualification program. \$7,000. (2004) UABSO Office of CE
4. Eye Center of the South annual meeting TQ contract. \$3500 (2004) UABSO Office of CE
5. Review of Optometry; test qualification and grading contract; \$25,200; UABSO Office of CE (2004)

6. New Orleans Contact Lens Society annual meeting CE Co-sponsorship. \$1000.00 (2004) UABSO Office of CE

2004-05

1. American Optometric Association Annual Congress. TQ test qualification program. \$5,000. (2005) UABSO Office of CE
2. SECO meeting. TQ test qualification program. \$7,000. (2005) UABSO Office of CE; awarded
3. Eye Center of the South annual meeting TQ contract. \$3500 (2005) UABSO Office of CE; awarded
4. Review of Optometry; test qualification and grading contract; \$53,200; UABSO Office of CE (2005)
5. New Orleans Contact Lens Society annual meeting CE Co-sponsorship. \$1000.00 (2005) UABSO Office of CE

2005-2006

1. American Optometric Association Annual Congress. TQ test qualification program. \$2,500. (2006) UABSO Office of CE
2. SECO meeting. TQ test qualification program. \$7,000. (2006) UABSO Office of CE; awarded
3. Eye Center of the South annual meeting TQ contract. \$4500 (2006) UABSO Office of CE; awarded
4. Review of Optometry; test qualification and grading contract; ~ \$35,000 (through 08/31/06); UABSO Office of CE (2006)
5. New Orleans Contact Lens Society annual meeting CE Co-sponsorship. \$2500.00 (2006) UABSO Office of CE
6. Contact Lens Spectrum; CE-co-sponsorship; \$1200 through 08/31/06.

2006-2007

American Optometric Association Annual Congress. TQ test qualification program. \$5,000. (1 year) UABSO Office of CE

SECO meeting. TQ test qualification program. \$7,000. (1 year; ongoing) UABSO Office of CE; awarded

Eye Center of the South annual meeting TQ contract. \$3500 (1 year; ongoing) UABSO Office of CE; awarded

Review of Optometry; test qualification and grading contract; \$53,200; UABSO Office of CE; awarded

New Orleans Contact Lens Society annual meeting CE Co-sponsorship. \$1000.00 (1 year, ongoing) UABSO Office of CE; awarded

2007-2008

American Optometric Association Annual Congress. TQ test qualification program. \$5,000. (1 year ongoing) UABSO Office of CE; awarded

SECO meeting. TQ test qualification program. \$7,000. (1 year; ongoing) UABSO Office of CE; awarded

Eye Center of the South annual meeting TQ contract. \$5000 (1 year; ongoing) UABSO Office of CE; awarded

Review of Optometry; test qualification and grading contract; \$55,000; UABSO Office of CE; awarded

New Orleans Contact Lens Society annual meeting CE Co-sponsorship. \$1000.00 (1 year, ongoing) UABSO Office of CE; awarded

2008-2009

Small Business Innovation Research Grant. \$90,000. PI: G. Hu, Ph.D. Role: investigator; mfERG in glaucoma diagnosis.

Zeavision, Inc. An investigation of the relationship between dark adaptation and macular pigment optical density and their modification by oral supplementation. \$87,000. Role: Principal investigator (as of September 1, 2007); 2 years

Optometric Glaucoma Society annual meeting CE co-sponsorship. \$2500 New;
Awarded: April 3, 2008

Skivision CE co-sponsorship. \$5000 New; Awarded: January 10, 2009

Johns-Hopkins University "eInfections" co-sponsorship agreement. \$3500 New;
Awarded: March 2008

Johns-Hopkins University Health "Status of contact lens wearers and their care." A
multidisciplinary electronic CE presentation. Role: co-sponsor \$3500; New Awarded
April 2008.

American Optometric Association Annual Congress. TQ test qualification program.
\$5,000. (1 year ongoing) UABSO Office of CE; awarded

SECO meeting. TQ test qualification program. \$7,000. (1 year; ongoing) UABSO
Office of CE; awarded

Eye Center of the South annual meeting TQ contract. \$4350 (1 year; ongoing) UABSO
Office of CE; awarded

Review of Optometry; test qualification and grading contract; \$55,000; UABSO Office
of CE; awarded

New Orleans Contact Lens Society annual meeting CE Co-sponsorship. \$1500.00 (1
year, ongoing) UABSO Office of CE; awarded

2009-2010

Investigation of Macular Pigment Augmentation on Dark Adaptation, Zeavision, Inc.
24 months (concluded 10/09); PI

Current budget year direct costs: \$24,000

Instrument for Early Glaucoma Detection and Monitoring Clinical Testing Procedure,
SBIR, 24 months; Investigator

Current budget year direct costs: \$?

Ongoing

Investigator VAST Study 2014-5

Investigator Topcon Reference Data Base Study

Principal investigator of an investigation of IOP in a community vision screening.

LS 10/19