

**CURRICULUM VITAE**

**Donald C. Fletcher, MD**

**PERSONAL DATA**

Name: Donald C. Fletcher, MD

**PRACTICE:**

**Primary Locations**

Department of Ophthalmology  
California Pacific Medical Center  
2340 Clay Street, 5<sup>th</sup> Floor  
San Francisco, CA 94115  
Tel (415)600-3901

and

Smith-Kettlewell Eye Research Institute  
2318 Fillmore Street  
San Francisco, CA 94115  
Tel (415)345-2000

**Other Locations**

Helen Keller Foundation for Research and Education  
1201 11<sup>th</sup> Avenue South, Suite 300  
Birmingham, Alabama 35205  
(205) 933-9389

Retina Consultants of Southwest Florida  
6901 International Center Blvd.  
Fort Myers, FL 33912  
(239) 939-4323

National Retina Institute  
901 Dulaney Valley Road, Suite 200  
Towson, MD 21204  
(410) 337-4500

**EDUCATION**

1974 - 1978 Premedical Undergraduate Training leading to  
Bachelor of Medical Science  
University of Alberta

Edmonton, Alberta, Canada  
Standing: First Class

1978 - 1982            Doctor of Medicine  
                                 University of Alberta  
                                 Edmonton, Alberta, Canada

**POSTGRADUATE TRAINING**

1986 - 1987            Low Vision Rehabilitation Fellowship  
                                 August Colenbrander, MD  
                                 Pacific Medical Center  
                                 San Francisco, California  
                                 (Additional low vision rehabilitation training  
                                 with Eleanor Faye, MD - New York)

1985 - 1986            Retina-Vitreous Fellowship  
                                 William E. Jackson, MD  
                                 Presbyterian Medical Center  
                                 Denver, Colorado

1982 - 1985            Residency Ophthalmology  
                                 University Hospital  
                                 University of Saskatchewan  
                                 Saskatoon, Saskatchewan, Canada

**AWARDS & HONORS**

2006                    Meritorious Award for Outstanding Lifetime Contributions to Low  
                                 Vision, Association for Education and Rehabilitation of the Blind  
                                 and Visually Impaired (AER)

2000                    Outstanding Contributions in Direct Services to Individuals with  
                                 Low Vision Award, Association for Education and Rehabilitation  
                                 of the Blind and Visually Impaired (AER)

1995                    Honor Award - American Academy of Ophthalmology

1993&94               Honored for Outstanding National Achievements,  
                                 University of Missouri-Kansas City, Fall Convocation

**MEDICAL CERTIFICATION**

1983                    National Board of Medical Examiners

1982

Licensure for the Medical Council of Canada (LMCC)

**LICENSURE**

State of Alabama  
State of California  
State of Florida

**HOSPITAL PRIVILEGES**

California Pacific Medical Center  
San Francisco, California

Southwest Regional Medical Center  
Fort Myers, Florida

Lee Memorial Hospital  
Fort Myers, Florida

**MEMBERSHIPS**

American Medical Association  
American Academy of Ophthalmology  
American Congress of Rehabilitation Medicine  
Association for Research in Vision and Ophthalmology  
Association for Education and Rehabilitation  
of the Blind and Visually Impaired (AER)  
Florida Medical Association  
Lee County Medical Society

**POSITIONS**

2005 – present      Editorial Board, Retinal Physician

2004 – present      Affiliate Scientist  
Smith-Kettlewell Eye Research Institute  
San Francisco, California

2004 – 2005      Professor  
University of Alabama, Birmingham  
Department of Ophthalmology, School of Medicine

- 2003 – present      Senior Investigator  
National Ophthalmic Research Institute  
Fort Myers, Florida
- 2000 – 2004      Associate Professor  
University of Alabama, Birmingham  
Department of Ophthalmology, School of Medicine
- 2000 – 2004      Clinical Associate Professor  
University of Alabama, Birmingham  
School of Optometry
- 2000 – present      Helen Keller Chair for Research and Education in Low Vision  
Rehabilitation
- 2000 – 2001      American Medical Association Review Panel, Guides to the  
Evaluation of Permanent Impairment - Visual Impairments
- 1997 – 1998      Panel Member, Visual Impairment and Its Rehabilitation Panel  
National Eye Institute, National Institute of Health
- 1996 - 2001      Advisor - National Eye Health Education Program  
National Eye Institute, National Institute of Health
- 1995 - 2000      President Vision Rehabilitation Strategies, Inc.
- 1995 - 1998      Medical Director - Low Vision Rehabilitation  
Able Care - Columbia/HCA
- 1996 – present      Adjunct Associate Clinical Scientist  
Schepens Eye Research Institute  
Affiliate of Harvard Medical School
- 1995 - 2000      Clinical Associate Professor  
University of South Florida  
College of Medicine, Department of Ophthalmology
- 1995 - present      Advisory Council  
Visually Impaired Persons of Southwest Florida
- 1994 – present      Director of Low Vision Rehabilitation  
Retina Consultants of Southwest Florida (May 1994)
- 1994 - 1997      Ophthalmic Practice Committee

- American Academy of Ophthalmology
- 1993 - 2000 American Academy of Ophthalmology's Representative to the  
American Congress of Rehabilitation Medicine
- 1993 - 1997 Chairman of Low Vision Rehabilitation Committee  
American Academy of Ophthalmology
- 1992 - 1997 Assistant Professor (Clinical 1995 -97)  
University of Missouri-Kansas City  
School of Medicine  
Department of Ophthalmology
- 1992 - 1995 Adjunct Associate Professor  
University of Kansas  
School of Allied Health  
Department of Occupational Therapy
- 1994 Scientific Reviewer - Ophthalmology
- 1994 Scientific Reviewer - Journal of the American Optometric Assoc.
- 1990 - 1991 Assistant Professor  
University of South Florida  
College of Medicine  
Department of Ophthalmology
- 1989 - 1990 Editorial Board  
The Journal of Vision Rehabilitation
- 1989 - present Scientific Advisory Board  
Helen Keller Eye Research Foundation
- 1989 - 1990 Founder and Co-Director  
Eye Injury Registry of Washington State
- 1988 - 1992 Vice Chairman of Low Vision Rehabilitation Committee  
American Academy of Ophthalmology
- 1988 - 1990 Clinical Instructor, Clinical Faculty of the  
Department of Ophthalmology  
The University of Washington  
Seattle, Washington



American Academy of Ophthalmology

1987 - 1990            Continuing Education Committee  
                                 Association for Education and Rehabilitation  
                                 of the Blind and Visually Impaired

**ADMINISTRATIVE EXPERIENCE**

2004 – present            Director, CPMC Center for Low Vision Rehabilitation,  
                                 San Francisco, California

2001 – 2004            Director, UAB Center for Low Vision Rehabilitation,  
                                 Birmingham, Alabama

1995 - 1997            Medical Director, Low Vision Rehabilitation Program  
                                 Able Care, Columbia/HCA Healthcare Corporation

1992 - 1995            Medical Director, Low Vision Rehabilitation Program  
                                 Department of Ophthalmology  
                                 University of Missouri - Kansas City  
                                 Kansas City, Missouri

1990 - 1991            Medical Director, Low Vision Rehabilitation Program  
                                 Tampa General Rehabilitation Center  
                                 Tampa, Florida

1987 - 1988            Director, Center for Visual Independence  
                                 Birmingham, Alabama

1984 - 1985            Chief Resident, Ophthalmology  
                                 University Hospital, Saskatoon,  
                                 Saskatchewan, Canada

**VOLUNTEER MISSIONS**

02/94            Turks and Caicos Islands  
02/97            Harare, Zimbabwe  
03/00            Manila, Philippines  
08/01            Sao Paulo, Brazil  
01/02            Guangzhou, China  
06/02            Rio de Janeiro, Brazil  
11/05            Manila, Philippines  
01/07            Guangzhou, China

**FELLOWS TRAINED**

William Crane MD, 1992-1993	Currently practicing low vision rehab in Erie, PA
Ron Cole MD, 1996	Currently practicing low vision rehab in Sacramento, CA
Judy Bennington, 1998	Currently practicing low vision rehab in Wisconsin
Rebecca "Kati" Morgan, 1999	Currently practicing low vision rehab in Oklahoma City, OK
George Gilmore MD, 2000	Currently practicing low vision rehab in Saskatoon, Canada
Sheila Santos MD, 2001	Currently practicing low vision rehab in Manila, Philippines
David Isaac MD, 2002	Currently in practice in Goiania, Brazil (SLO fellowship)
Jeff Yee MD, 2002	Currently in practice in Birmingham, AL
Ferial M. Zeried, 2003	Currently in practice in Saudi Arabia
Rainier Covar MD, 2003	Currently practicing low vision rehab in Manila, Philippines
Arnel de Jesus MD, 2004	Currently practicing low vision rehab in Manila, Philippines
Unni Nair MD, 2005-2006	Currently completing training
Paul Homer MD, 2006	Currently practicing low vision rehab in Palm Beach, FL
John Shepherd MD, 2006/07	Currently practicing low vision rehab in Omaha, Nebraska
Ginny Pantig MD, 2006	Currently practicing low vision rehab in Manila, Philippines
Christine Santos, 2006	Currently practicing low vision rehab in Manila, Philippines
Vincent Gils, 2006/07	Currently completing training

**RESEARCH / GRANTS**

09/06 – 07/07

R01 EY018004-01 Renninger (PI) NIH/NEI “CRCNS: Where to Look Next? Modeling Eye Movements in Normal and Impaired Vision” The goal of this proposal is to gain a better understanding of the information processing and decision strategies that underlie eye movement planning in both the normal and diseased state. Role: Co-PI

08/06 - 07/11

H133E060001 Brabyn (PI) Dept. of Education, NIDRR “Rehabilitation Engineering Research Center” The goal of this project is to develop and evaluate new rehabilitation technology and methods for blind, visually impaired and multi-handicapped individuals. Role: Scientist (Affiliate)

02/06 – 09/06

Fletcher (PI) United BioSource Corporation and Genentech Inc. Project # A2-3787-000 Validation of the NEI VFQ-25 in people with Age-Related Macular Degeneration. The primary objectives of this study are to: 1) evaluate the study participant’s perceived ability to function as measured by the VFQ-25 against objective measures of visual function; and 2) evaluate the psychometric characteristics (i.e., internal consistency and validity) of the VFQ-25 in a population with neovascular age-related macular degeneration (AMD). Role: PI

12/02 – 12/04

Fletcher, Schuchard (Co PIs) Novartis Ophthalmics, Visual Performance Effects after Visudyne Therapy, Multicenter trial evaluating PDT effect on reading performance, contrast sensitivity and SLO central visual field. Role: Co-PI

2001 ->

Helen Keller Chair For Research in Low Vision Rehabilitation – Helen Keller Foundation for Research and Education

07/01

Eye Sight Foundation of Alabama. \$225,000 grant for Low Vision Rehabilitation Center Development.

03/01

Health Services Foundation General Endowment Fund Grant for Clinical Services, University of Alabama Birmingham. \$200,000 grant for Low Vision Rehabilitation Center Development.

12/00

University of Alabama Birmingham, Provost Grant. \$25,000 grant for development of Low Vision Rehabilitation Training for Compensatory Visual Skills and Adaptive Techniques

10/94-9/97

Veterans Administration Rehabilitation Research and Development Program.

Development of Scanning Laser Ophthalmoscope for Low Vision Rehabilitation.

1/94 - 12/94 St. Luke's Hospital Foundation Grant. Evaluation of Treatments for Macular Diseases involving the Fovea in terms of Visual Function and Visual Performance.

11/93-11/94 University of Missouri Research Board Grant. Characteristics of Developing Preferred Retinal Loci.

## **PUBLICATIONS**

Colenbrander, A.; Fletcher, D.C.: Editorial "Contrast Sensitivity and Visual Hallucinations in Patients Referred to a Low Vision Rehabilitation Clinic", *British Journal of Ophthalmology*, 91:272, March 2007

Fletcher, D.C.; Schuchard, R.A.: "Central Scotomas and Preferred Retinal Loci" Chapter 395 in Principles and Practice of Ophthalmology, Third Edition, Edited by Albert and Jakobiec, W.B. Saunders Co., 2006

Fletcher, DC and Schuchard, RA; "Visual Function in Patients with Choroidal Neovascularization Resulting From Age-Related Macular Degeneration: The Importance of Looking Beyond Visual Acuity"; *Optometry and Vision Science*; Vol. 83, No. 3, March 2006, pp 178 - 189

Fletcher, DC; Acuity Does Not Equal Vision; *Retinal Physician*, March/April 2006, Supplement pp 3-6

Rosenthal, BP; Fletcher, DC; et al: Visual Function and Age-related Macular Degeneration – Seeing the Whole Picture, *Lighthouse International Publication*, Sept. 2003

Fletcher, DC: Quality of Vision in AMD Are We Seeing the Whole Picture, *Ophthalmology Management*, June 2003

Morris, RE; Fletcher, DC; Scott, SS: Counseling and Rehabilitation, *Ophthalmology Clinics of North America*, No. 15, October 2002, pp 1-4

Fletcher, D.C.: Reabilitacao em Visao Subnormal, *Oftalmologia em Foco*, No. 75, Outubro/Novembro 2001

Fletcher, D.C., et al: Rehabilitation of the Adult Patient with Low Vision – Preferred Practice Pattern of American Academy of Ophthalmology, February 2001.

Massof, RW; Fletcher, DC: Evaluation of the NEI Visual Functioning Questionnaire as an Interval Measure of Visual Ability in Low Vision. *Vision Research*, Vol 41, No. 3, February 2001

Fletcher, DC; Colenbrander, A: "Avaliacao Clinica de Crianças com Baixa Visao" Capitulo 6 in Visao Subnormal, Edited by Silvia Veiztman, Ciba Vision, 2000

Fletcher, D.C.; Schuchard, R.A.; Watson, G: Relative Locations of Macular Scotomas near the PRL: Effect on Low Vision Reading; *Journal of Rehabilitation Research and Development*, Vol. 36, Number 4, October 1999, pp 356-364.

Raskauskas PA, Walker JP, Wing GL, Fletcher DC, Elsner AE: Small Incision Cataract Surgery and Placement of Posterior Chamber Intraocular Lenses in Patients with Diabetic Retinopathy. *Ophthalmic Surgery and Lasers* 1999;30:6-11.

Massof, R.W.; Rubin, G.S.; Tielsch, J.M.; Fletcher, D.C.: Estimation of Vision Disability Scales from Item Responses on Visual Function Questionnaires, *Optical Society of America*, Feb 1999

Fletcher, D.C.: Low Vision Rehabilitation: Caring for the Whole Person, Monograph #12, American Academy of Ophthalmology, Feb 1999.

Fletcher, D.C.: Put Yourself in Your Patients' Shoes; *Eye Net*, American Academy of Ophthalmology, pp 7, October 1998

Schuchard, R.A.; Fletcher, D.C.: "Preferred Retinal Locus and Scanning Laser Ophthalmoscope" Chapter 395 in Principles and Practice of Ophthalmology, Second Edition, Edited by Albert and Jakobiec, W.B. Saunders Co., 1998

Fletcher, D.C.; Schuchard, R.A.: Preferred Retinal Loci (PRLs) Relationship to Macular Scotomas in a Low Vision Population, *Ophthalmology*, Vol. 104, Number 4, April 1997.

Fletcher, D.C.; Lampert, J.: Book Review - Coping with Low Vision, *Archives of Ophthalmology*, Vol. 112, December 1994.

Maino, J.; Schuchard, R.A.; Fletcher, D.C.: "Low Vision Rehabilitation and the Scanning Laser Ophthalmoscope", *Eyecare Technology*, November/December 1994.

Schuchard, R.A.; Fletcher, D.C.; Maino, J.: "A Scanning Laser Ophthalmoscope (SLO) Low-Vision Rehabilitation System", *Clinical Eye and Vision Care*, Vol. 6, No. 3, 1994, pp 101-107.

Fletcher, D.C., et al: Low Vision Rehabilitation - Preferred Practice Pattern of American Academy of Ophthalmology, February 1994.

Crane, W.G.; Fletcher, D.C.: "Photopsias and Charles Bonnet Syndrome in a Low Vision Population", *Ophthalmology Clinics of North American*, Vol. 7, No. 2, June 1994, pp 143-149.

Fletcher, D.C.: "A Rewarding Process: A Case Study in Visual Rehabilitation", *Ophthalmology Clinics of North American*, Vol.7, No.2, June 1994, pp121-122.

Colenbrander, A.; Fletcher, D.C.: Low Vision and Vision Rehabilitation, Philadelphia: W.B. Saunders Co., June 1994.

Schuchard, R.A.; Fletcher, D.C.: "Preferred Retinal Locus: A Review with Applications in Low Vision Rehabilitation", *Ophthalmology Clinics of North America*, Vol. 7, No 2, June 1994, pp. 243-256.

Fletcher, D.C.; Schuchard, R.A.: "Scanning Laser Ophthalmoscope Macular Perimetry and Applications for Low Vision Rehabilitation Clinicians", *Ophthalmology Clinics of North America*, Vol. 7, No. 2, June 1994, pp. 257-265.

Fletcher, D.C.: "Low Vision: The Physician's Role in Rehabilitation and and Referral", *Geriatrics*, May 1994, Vol. 49, No. 5.

Fletcher, D.C.; Sabates, F.N.: "Diagnosis, Treatment and Rehabilitation of Patients with Low Vision", *Highlights of Ophthalmology*, 1993, Vol. 21, No. 12.

Fletcher, D.C.: "Definition of Low Vision Population and Low Vision Services, Accessibility to Services, and Assessment and Referral Process". Proceedings of the National Institute on Disability and Rehabilitation Research Consensus Validation Conference, January 25, 1993.

Fletcher, D.C.: "Rehabilitative Care of the Pediatric Low Vision Patient". Decision Making in Pediatric Ophthalmology, B.C. Decker/Mosby Publications, 1992, pp. 256-257.

Fletcher, D.C.; Weinstock, F.J.: "E&M Codes for Low Vision Rehabilitation". *Argus*, American Academy of Ophthalmology, Volume XV, No. 8, August 1992, pp. 24.

Fletcher, D.C.; Sabates, F.N.: "Correspondence: Surgical Excision of Subfoveal Neovascular Membranes in Age-related Macular Degeneration". *American Journal of Ophthalmology*, Volume 114, August 15, 1992, pp. 241-242.

Fletcher, D.C.; Sabates, F.N.: "Correspondence: Surgical Excision of Subfoveal Neovascular Membranes in Age-related Macular Degeneration". *American Journal of Ophthalmology*, Volume 114, August 15, 1992, pp. 241-242.

Colenbrander, A.; Fletcher, D.C.: "Low Vision Rehabilitation: Visual Acuity Measurement in the Low Vision Range", *Journal of Ophthalmic Nursing & Technology*, March/April 1992, Vol 11, No. 2.

Colenbrander, A.; Fletcher, D.C.: "Low Vision Rehabilitation Basic Concepts and Terms", *Journal of Ophthalmic Nursing & Technology*, January/February 1992, Volume 11, No. 1.

Fletcher, D.C.: "Aids and Vision Loss", *Review*, Volume XXIII, No. 4, Winter 1992.

Wainapel, S. F.; Fletcher, D.C.: "Advances in Rehabilitation for Visually Impaired and Blind Persons", *Clinical Advances in Physical Medicine and Rehabilitation*, Scientific Publication No. 533, pp. 229-244.

Fletcher, D.C.: "The Operation Was Successful, But the Patient Can't See Any Better - Where Do We Go From Here?", *Management and Care of the Cataract Patient*, Blackwell Scientific Publications, Inc., 1992, pp. 323-330.

Fletcher, D.C.; Weinstock, F.J.: "Low Vision Rehabilitation Reimbursement Advice", *Argus*, American Academy of Ophthalmology, Vol. XIV, No. 13, December 1991.

Fletcher, D.C.; Shindell, S.; Hindman, T.; Schaffrath, M.: "Low Vision Rehabilitation: Finding Capable People Behind Damaged Eyeballs", *Western Journal of Medicine*, May 1991.

Fletcher, D.C.; Weinstock, F.J.: "How to Use CPT Codes for Low Vision Rehab", *Argus*, American Academy of Ophthalmology, Volume XIV, No. 1, January 1991.

Fletcher, D.C.: "The Doctor's Corner" (editorial), *TSI Focus on Technology* No. 6, Fall 1988 to No. 13, Winter 1990 - 91.

Fletcher, D.C.: "Delivery of Low Vision Services", *Association for Education and Rehabilitation of the Blind and Visually Impaired Newsletter*, Fall 1990.

Colenbrander, A.; Fletcher, D.C.: "Visual Acuity Measurement in Low Vision Patients", *The Journal of Vision Rehabilitation*, Vol. 4, No. 1, January 1990.

Fletcher, D.C.; Romanchuk, K.D.; Lane, P.R.: "Conjunctivitis and Pterygium Associated with the American Indian Type of Polymorphous Light Eruption", *Canadian Journal of Ophthalmology*, Vol. 23, No. 1, February 1988.

Fletcher, D.C.: "Vision Loss: An Ophthalmologist's Perspective", *Providing Services of People with Vision Loss*, *Resources for Rehabilitation*,

Chapter 3, pp. 16-24, 1989.

**SUBMITTED AND IN REVIEW**

Colenbrander, A.; Goodwin, L; Fletcher, D.C.: Vision Rehabilitation and AMD, International Ophthalmology Clinics

Fletcher, D.C.; Dreer, L; Elliott, T; "A Tactile Analogue Scale Instrument for Investigation of Low Vision Patient Psychological Characteristics", Proceeding of London Vision 2005 Conference, International Congress Series

Fletcher, DC; Schuchard, RA; Walker, JP; Wing, GL; Raskaukas, PA; Ghuman, TA; "Macular Scotoma Area Benefited by Photodynamic Therapy with Verteporfin", Retina

**PRESENTATIONS - LOW VISION REHABILITATION**

Association for Research in Vision and Ophthalmology Annual Meeting,  
Fort Lauderdale, Florida, May 2007

1. Associations of Reading Speed and Error Rates on the SK Read Test with PRL Eccentricity and Scotoma Location
2. SLO Analysis of Scanning Eye Movements in Patients with Central Field Loss
3. A New Timed Instrument Activities of Daily Living (TIADL) Measure for Evaluation of Rehabilitation Outcomes
4. Ability to Read Medication Labels Improved by Participation in Low Vision Rehabilitation Program
5. Low Vision Reading Performance Comparison of MN Read and SK Read Considering Errors and SLO Determined Scotoma/PRL Characteristics

Schepens Eye Research Institute Seminar on Advances in Eye Care, Naples and Fort Myers, Florida, Feb 2007

2<sup>nd</sup> Annual Low Vision Rehabilitation Study Group, San Francisco CA, Feb 2007

Peninsula Ophthalmologic Society Meeting, Palo Alto, California, Feb 2007

East Bay Ophthalmologic Society Meeting, Oakland, California, Dec 2006

American Academy of Ophthalmology Annual Meeting, Las Vegas, Nevada, Nov 2006  
Developing Vision Rehabilitation Ideas in a Multi-disciplinary Environment:  
A Report on the First Low Vision Rehab Study Group Meeting

Foundation Fighting Blindness - Save Sight Sunday, San Francisco CA, Oct 2006

Envision 2006 Multi Disciplinary Low Vision Conference, Kansas City, Missouri,  
September 2006

1. Quantifying Emotional Impact of Vision Loss
2. Scanning Laser Ophthalmoscope Low Vision Rehab Case Discussions

Association for Research in Vision and Ophthalmology Annual Meeting,  
Fort Lauderdale, Florida, May 2006

6. Decreased Reading Performance Associated with Maculopathy Independent of Acuity and Demographic Variables
7. Random Word Reading Test like MNread Shows More Frequent Errors than Continuous Text
8. Find and Identify: Efficiency of Scanning Eye Movements in Low Vision Patients
9. Contrast Sensitivity and ADL Performance

Arthur Jampolsky Day, San Francisco CA, March 2006  
Pearls in Pediatric Low Vision Rehabilitation

1<sup>st</sup> Annual Low Vision Rehabilitation Study Group, San Francisco CA, March 2006

World Ophthalmology Congress Meeting, Sao Paulo Brazil, Feb 2006 (A. Colenbrander)  
The Mixed Contrast Card – A Screening Test for Contrast Sensitivity

National Association for the Visually Impaired Press Conference, Washington DC,  
December 2005

Optelec / New York Lighthouse Occupational Therapy Continuing Education Course,  
December 2005

Philippines Academy of Ophthalmology Annual Meeting, Manila, Philippines, November  
2005

OSRE Ophthalmologic Society of Marin County, Santa Rosa, California, October 2005

American Academy of Ophthalmology Annual Meeting, Chicago, Illinois, October 2005  
Breakfast with the Experts – low vision rehabilitation  
Vision Rehabilitation Education Day – Reading and Central Field Disruption

Joint Commission on Allied Health Personnel in Ophthalmology Annual Meeting,  
Chicago, Illinois, October, 2005

Pfizer Pharmaceuticals International Researchers Symposium, Chicago, Illinois, October  
2005

QLT Retinal Physician Update on Treatment of Exudative AMD, Half Moon Bay,  
California, June 2005 and

QLT Retinal Physician Update on Treatment of Exudative AMD, Miami, Florida, June 2005

Association for Research in Vision and Ophthalmology Annual Meeting,  
Fort Lauderdale, Florida, May 2005

1. Variable Response of Visual Function Measures After PDT with Visudyne
2. Influence of Macular Pathology Associated with Age-Related Macular Degeneration in Scanning Laser Polarimetry
3. Comparison of Pepper VSRT Measures at Critical Print Size and 4M Font
4. Comparing the MN Read Continuous Text Reading Score with Snellen Acuity in Assessing Visual Impairment in Patients Undergoing Macular Pucker Surgery
5. Mixed Contrast Reading Card Shows Aspect of Contrast Processing That is Independent of Detail Processing

Vision 2005 International Society for Low Vision Research and Rehabilitation Meeting,  
London, England, April 2005

1. A Tactile Analogue Scale Instrument for Investigation of Low Vision Patient Psychological Characteristics
2. Reading Performance in Traction Maculopathy

International Symposium on Low Vision Rehabilitation and Visual Ability, IAPB  
International Agency for the Prevention of Blindness – Italian Branch, Rome, Italy, Mar  
10 – 12/2005

1. PRL and Vision Rehabilitation
2. Preferred Retinal Loci – Assessment and Training in Compensatory Skills

University of Ottawa, Department of Ophthalmology Grand Rounds, Ottawa, Canada,  
Feb. 2005

“Advances in the Science and Magic of Low Vision Rehabilitation”

Ninth Annual Eye & Vision Research Symposium of the Schepens Eye Research  
Institute, Fort Myers and Naples Florida, Feb. 2005

“True Life Stories of Remarkable Low Vision Patients”

American Academy of Ophthalmology All Staff Meeting, San Francisco, California,  
January 2005

“Introduction to Low Vision Rehabilitation”

American Academy of Ophthalmology Annual Meeting, New Orleans, Louisiana,  
October 2004

1. Vision is More Than Visual Acuity
2. Reading Performance, Central Field, Acuity and Contrast After PDT with Visudyne
3. Depression and the Charles Bonnet Syndrome in Low Vision Patients
4. SLO Determined Scotomas, Residual Fields and Implications for Reading

Novartis Regional Directors Meeting, Chicago, Illinois, October 2004

Pfizer AMD Day, Vanderbilt University, Nashville, Tennessee, October 2004

The Alfred W. Bressler Vision Science Symposium and Award Luncheon, The Jewish Guild for the Blind, New York, Sept 2004

“Clinical Trends in Low Vision Rehabilitation – How Macular Scars Fit into the Rehabilitation Medicine Model”

Bay Area Vision Research Day, University of California at Berkeley, Berkeley, California, August 2004

Canadian Ophthalmologic Society Annual Meeting, Vancouver, British Columbia, Canada, June 2004

1. PDT Effect on Central Visual Field and Reading Performance
2. Dealing with Central Vision Loss, SLO Determined Scotomas and Implications for Reading
3. Comprehensive Rehabilitation Using a Team Approach
4. Is PDT Worth the Cost? The Value of Reducing

Retina Canada Meeting, Canadian Ophthalmologic Society, Scottsdale, Arizona, May 2004

“Visual Function is more than Visual Acuity”

Association for Research in Vision and Ophthalmology Annual Meeting, Fort Lauderdale, Florida, April 2004

1. Low Vision Rehabilitation: An Investigation of Psychological Characteristics
2. Reading Performance, Central Field, Acuity and Contrast After PDT with Visudyne
3. Evaluation of a new Mixed Contrast Reading Card

University of Toronto, Dept. of Ophthalmology Grand Rounds, Toronto, Ontario, Canada, April 2004

“Advances in Low Vision Rehabilitation”

Visudyne National Speakers Bureau Meeting, Management of AMD: Current Perspectives and Future Directions, Phoenix, Arizona, Mar.26-27, 2004

National Eye Institute Workshop on Research Opportunities in Low Vision Rehabilitation, Birmingham, Alabama, Feb. 26, 2004

American Academy of Ophthalmology Annual Meeting, Anaheim, California, Nov. 2003

1. Clinical Applications of PRL Training
2. Visual Acuity Letter Errors and Macular Scotomas

Joint Commission on Allied Health Personnel in Ophthalmology Annual Meeting,  
Anaheim, California, November, 2003

Smith Kettlewell Colloquium, San Francisco, California, October 2003  
How Hanging Out With PhDs Has Changed the Practice of a Low Vision  
Rehabilitation Clinician

California Pacific Medical Center Grand Rounds, San Francisco, California, October  
2003  
End of Life/End of Vision

Retina and Rehabilitation Seminar, Mobile Infirmiry Medical Center, Mobile, Alabama,  
October 2003,  
Current Status and Future Prospects in Low Vision Rehabilitation

AMD Management: PDT Applications and the Role of Emerging Therapies,  
Philadelphia, Pennsylvania, September 2003

AMD Management: PDT Applications and the Role of Emerging Therapies, Charleston,  
South Carolina, August 2003

Japanese Ophthalmology Association Annual Meeting, Fukuoka, Japan, June 2003

Association for Research in Vision and Ophthalmology Annual Meeting,  
Fort Lauderdale, Florida, May 2003

1. Visual Acuity Letter Errors in Low Vision Patients with Macular Scotomas
2. Progression in the Longitudinal SW Florida Age-Related Macular Degeneration Study

AMD Management: Update and Controversies, Novartis Pharmaceuticals, Phoenix,  
Arizona, Mar. 2003  
“PDT and Central Visual Field”

The Ophthalmological Society of Alberta Annual Scientific Meeting, Banff, Alberta,  
Canada, Feb. 2003

1. The Basic Magic Tricks to Doing Low Vision Rehabilitation
2. Some Exciting Science in Low Vision Rehabilitation

Smith Kettlewell Eye Research Institute Colloquium, San Francisco, California, Feb 2003  
“Clinical Benefits of Low Vision Rehabilitation Research”

Vision Loss in the 21<sup>st</sup> Century – Everybody’s Business, American Foundation for the  
Blind Conference and Foundation for the Junior Blind, Los Angeles, California, Feb 2003  
“Applying Research in Low Vision Rehabilitation to Clinical Practice”

University of Saskatchewan, Dept. of Ophthalmology Grand Rounds, Saskatoon, Saskatchewan, Canada, Jan. 2003

“The Science and Magic of Low Vision Rehabilitation”

American Academy of Ophthalmology Annual Meeting, Orlando, Florida, Nov. 2002

1. What Low Vision Patients See
2. Identifying and Managing Scotomas – Assessment, Treatment and Training of Low Vision Patients
3. Principles and Applications of Macular Perimetry

Pan American Low Vision Society Meeting, Orlando, Florida, Nov. 2002

1. A practical proposal for managing low vision in adults

Joint Commission on Allied Health Personnel in Ophthalmology Annual Meeting, Orlando, Florida, November, 2002

Liahona Ophthalmologic Society Annual Meeting, Orlando Florida, Nov. 2002

1. The Divine Design of the Visual System

Alabama Academy of Ophthalmology Annual Meeting, Destin, Florida, Aug. 2002

Brazilian Congress of Ophthalmology Annual Meeting, Rio de Janeiro, Brazil, June 2002

Association for Research in Vision and Ophthalmology Annual Meeting, Fort Lauderdale, Florida, May 2002

1. SLO Macular Scotoma Size Benefited by PDT
2. Fellow Eye Status in the Longitudinal SW Florida Age-Related Macular Degeneration Study

Retina Subspecialty Course, American Academy of Ophthalmology, New Orleans, Louisiana, November 2001

1. Low Vision Rehabilitation: Implications of Macular Laser Treatment

American Academy of Ophthalmology Annual Meeting, New Orleans, Louisiana, November 2001

1. Pre and Post PDT Macular Scotoma Size Determined by SLO
2. Symposium on Aging - Driving with Visual Impairments
3. Applying SLO Research to Low Vision Patient Care
4. Principles and Applications of Macular Perimetry

Joint Commission on Allied Health Personnel in Ophthalmology Annual Meeting, New Orleans, Louisiana, November, 2001

Vide Oftalmologia, Subnormal Vision Rehabilitation Seminar, Sao Paulo, Brazil,

September 2001

Alabama State Vocational Rehabilitation Services Annual Meeting, Tuscaloosa, Alabama, August 2001

Alabama Academy of Ophthalmology Scientific Meeting, Destin, Florida, July 2001

Alabama Society of Ophthalmic Personnel Annual Meeting, Destin, Florida, July 2001

New York Lighthouse Continuing Education Conference, New York, New York, June 2001

1. Methods of Eccentric Viewing and Adaptive Visual Skills Training

University of Arkansas Dept of Rehabilitation Medicine Grand Rounds, Little Rock, Arkansas, June 2001

Schepens International Society Annual Meeting, Las Vegas, Nevada, June 2001

1. Pre and Post PDT Macular Scotoma Size Determined by SLO

Association for Research in Vision and Ophthalmology Annual Meeting, Fort Lauderdale, Florida, May 2001

1. Preferred Retinal Locus (PRL) Eye Movement Performance by Eccentric Distance in Low Vision Patients
2. Focal Hyperpigmentation and Long-term Vision Loss in Age Related Macular Degeneration

Ophthalmology Update – Posterior Segment Diseases, Baptist Health Medical Center, Little Rock, Arkansas, April 2001

American Academy of Ophthalmology Annual Meeting, Dallas, Texas, November 2000

1. Comparison of Reading Ability of Low Vision Patients Before and After Rehabilitation Training

University of Minnesota Department of Psychology Invited Faculty Lecture, Minneapolis, Minnesota, November 2000

1. Use of the MNRead Test to Detect Ring Scotomas

University of Alabama Dept of Ophthalmology Grand Rounds, Birmingham, Alabama, September 2000

1. Low Vision Rehabilitation: Ophthalmology's Most Exciting Subspecialty

Foundation Fighting Blindness Annual Meeting, Orlando, Florida, August 2000

1. Low Vision Rehabilitation Advances

Association for Research in Vision and Ophthalmology Annual Meeting,  
Fort Lauderdale, Florida, May 2000

1. Comparison of Reading Ability of Low Vision Patients Before and After Rehabilitation Training

Macular Degeneration International Annual Meeting, Las Vegas, Nevada, April 2000

1. The Effects of Scotomas Near the PRL on Reading

American Academy of Ophthalmology Annual Meeting, Orlando, Florida, October 1999

1. Characteristics of Reading Rate vs Text Size in Low Vision Patients with Ring Scotomas
2. The Effects of Scotomas Near the PRL on Low Vision Reading
3. Teaching Reading Skills to Patients with Macular Diseases
4. Principles and Applications of Macular Perimetry

Joint Commission on Allied Health Personnel in Ophthalmology Annual Meeting,  
Orlando, Florida, October 1999

Public Affairs Network for Eye Institutes and Departments of Ophthalmology  
(coordinated by NEI) Annual Meeting, Orlando, Florida, October 1999

Grosso Italiano Studio Iprovisione – Primo Corso, L'Aquila, Italy, October 1999

Vision 99 International Low Vision Conference, New York, New York, July 1999

3. Preferred Retinal Loci (PRLs) Relationship to SLO Determined Macular Scotomas and Effects on Reading in a Low Vision Population

Association for Research in Vision and Ophthalmology Annual Meeting,  
Fort Lauderdale, Florida, May 1999

1. Characteristics of Reading Rate vs Text Size in Low Vision Patients With Ring Scotomas

American Academy of Ophthalmology Annual Meeting, New Orleans, Louisiana,  
November 1998

1. Effect of Visual Impairments on ADLs and Well Being as Identified by the National Eye Institute Visual Function Questionnaire (NEI-VFQ)
2. Teaching Reading Skills to Patients with Macular Diseases
3. Discussion of paper on Low Vision Rehabilitation Outcomes/Satisfaction

Joint Commission on Allied Health Personnel in Ophthalmology Annual Meeting,  
New Orleans, Louisiana, November 1998

American Congress of Rehabilitation Medicine Annual Meeting, Seattle, Washington,  
November, 1998

Advanced Course in Low Vision Rehabilitation, Costa Mesa, California, July 1998

1. Facilitating Psychosocial Adjustment to Disability: Issues Facing Persons with Vision Loss
2. Sensory Motor Adaptations in Low Vision Patients

Association for Research in Vision and Ophthalmology Annual Meeting, Fort Lauderdale, Florida, May 1998

1. The Effect of Visual Impairments on ADLs and Well Being as Identified by the NEI-VFQ
2. Estimation of NEI-VFQ Item Difficulties for Low Vision Patients

Vision Science and Its Applications, Santa Fe, New Mexico, Feb 1998

1. Characteristics of Reading Speed Across Character Size in Relation to Visual Factors

Occupational Therapy Training Conference, Walnut Creek, California, January 1998

Occupational Therapy Training Conference, Birmingham, Alabama, December 1997

Occupational Therapy Training Conference, Atlanta, Georgia, December 1997

Florida Chapter Association for Education and Rehabilitation of the Blind and Visually Impaired (FAER) Annual Meeting, St. Petersburg, Florida, November, 1997

American Academy of Ophthalmology Annual Meeting, San Francisco, California, October 1997

1. Small-Incision Cataract Surgery and Placement of Posterior Chamber Intraocular Lenses in Patients with Diabetic Retinopathy
2. Teaching Reading Skills to Patients with Macular Diseases
3. Optical Enhancement of Sight in Mild to Moderate Vision Impairment
4. The Effect of Scotomas Near the PRL on Low Vision Reading

Joint Commission on Allied Health Personnel in Ophthalmology Annual Meeting, San Francisco, California, October 1997

Vitreous Society 15<sup>th</sup> Annual Meeting, New Orleans, Louisiana, September 20, 1998

1. The Effect of Scotomas Near the PRL on Low Vision Reading

Occupational Therapy Training Conference, New Orleans, Louisiana, September 1997

Occupational Therapy Training Conference, New York, July 1997

Advanced Course in Low Vision Rehabilitation, Sannibel, Florida, June 1997

1. Facilitating Psychosocial Adjustment to Disability: Issues Facing Persons with Vision Loss

Association for Research in Vision and Ophthalmology Annual Meeting,  
Fort Lauderdale, Florida, May 1997

1. The Effect of SLO Determined Scotomas Near the PRL on Low Vision  
Reading

Occupational Therapy Training Conference, Phoenix, Arizona, April 1997

National Eye Health Education Program of the National Institute of Health,  
San Antonio, Texas, Mar 1997

Occupational Therapy Training Conference, Raleigh, North Carolina, Mar 1997

Occupational Therapy Training Conference, Atlanta, Georgia, Feb. 1997

Occupational Therapy Training Conference, San Francisco, California, Jan 1997

Occupational Therapy Training Conference, Denver, Colorado, November 1996

American Academy of Ophthalmology Annual Meeting, Chicago, Illinois, October  
1996.

1. Low Vision Rehabilitation Shared Interest Group, Scientific Symposium:  
Binocular PRL Characteristics in Low Vision Patients.
2. Low Vision Rehabilitation Business and Reimbursement Plans
3. Teaching Reading Skills to Patients with Macular Diseases

Joint Commission on Allied Health Personnel in Ophthalmology Annual Meeting,  
Chicago, Illinois, October 1996

Occupational Therapy Training Conference, Chicago, Illinois, October 1996

Occupational Therapy Training Conference, Seattle, Washington, August 1996

Association for Education and Rehabilitation of the Blind and Visually Impaired  
International Meeting, St Louis, Missouri, July 1996

Occupational Therapy Training Conference, Fort Lauderdale, Florida, June 1996

Occupational Therapy Training Conference, Cincinnati, Ohio, May 1996

Occupational Therapy Training Conference, Cleveland, Ohio, April 1996

Association for Research in Vision and Ophthalmology Annual Meeting, Fort  
Lauderdale, Florida, April 1996.

1. Evaluating the Efficacy of the Worth 4 Dot Test to Determine Binocular PRL

Characteristics in Low Vision Patients.

2. Characteristics of Low Vision Patients with Monocular Better than Binocular Visual Acuity

Occupational Therapy Training Conference, Dallas, Texas, March 1996.

Clinical Grand Rounds, UC Davis Department of Ophthalmology, Davis, California, February 1996.

Occupational Therapy Training Conference, Irvine, California, February, 1996.

American Academy of Ophthalmology Annual Meeting, Atlanta, Georgia, November 1995.

1. Macula Scotoma Relationship to the Preferred Retinal Locus in a Low Vision Patient Population.
2. Young Ophthalmologists Symposium - Low Vision Rehabilitation as a practice alternative.
3. Business Aspects of Low Vision Rehabilitation.
4. Advanced Course in Low Vision Rehabilitation.

Joint Commission on Allied Health Personnel in Ophthalmology Annual Meeting, Atlanta, Georgia, October 1995.

University of Tennessee - Chattanooga Grand Rounds, Chattanooga, Tennessee, September, 1995.

University of Missouri - Kansas City, Occupational Therapy Conference, Kansas City, Missouri, September 1995.

Insights in Rehabilitation Seminar, The Rehabilitation Institute, Kansas City, Missouri, July 1995.

North American Perimetric Society Inaugural Meeting, San Rafael, California, July 1995.

American Congress of Rehabilitation Medicine Annual Meeting, Arlington, Virginia, June 1995.

1. Low Vision Rehabilitation Utilizing Rehabilitation Personnel in an Ophthalmology Setting.

Chicago Ophthalmological Society Monthly Meeting, Chicago, Illinois, June 1995.

Association for Research in Vision and Ophthalmology Annual Meeting, Fort Lauderdale, Florida, May, 1995.

1. Macular Scotoma Characteristics in Diabetic Retinopathy by Scanning Laser Ophthalmoscope Macular Perimetry.
2. Ring-shaped Macular Scotomas by SLO Macular Perimetry: Effects on Activities of Daily Living.

Illinois Vision Conference - Association for Education and Rehabilitation of the Blind & Visually Impaired, Chicago, Illinois, February 1995.

American Academy of Ophthalmology Annual Meeting, San Francisco, California, November 1994.

1. Principles and Applications of Macular Perimetry
2. Comprehensive Low Vision Rehabilitation

Joint Commission on Allied Health Personnel in Ophthalmology Annual Meeting, San Francisco, California, October 1994.

Midwest Conference on Research, Blindness and Low Vision, VA Medical Center, Kansas City, Missouri, October 1994.

Health Care Reform and Reimbursement for Rehabilitation Services.

Clinical Grand Rounds, Department of Ophthalmology, Bowman Gray School of Medicine, Winston-Salem, North Carolina, September 1994.

Riverside Methodist Hospital, Continuing Education Conference, Columbus, Ohio, August 1994.

Florida Optometric Association Annual Educational Retreat, Captiva Island, Florida, August 1994.

American Academy of Ophthalmology Summer Institute, Practice Revenue Options Seminar, Seattle, Washington, August 1994.

American Foundation for the Blind, Governmental Relations Forum, Washington, DC, July 1994.

Association for Education and Rehabilitation of the Blind and Visually Impaired International Conference, Dallas, Texas, July 1994.

Eye Foundation of Kansas City, New Frontiers: Rehabilitation of the Patient with Low Vision Using Occupational Therapy, Kansas City, Missouri, June 1994.

Eye Foundation of Kansas City, Macula-New Frontiers Symposium, Kansas City, Missouri, June 1994.

1. Scanning Laser Ophthalmoscope Evaluation in Low Vision

- Rehabilitation
- 2. Visual Rehabilitation in A.R.M.D.

St. John Rehabilitation Services Conference, Livonia, Michigan, May 1994.

Association for Research in Vision and Ophthalmology Annual Meeting, Sarasota, Florida, May 1994.

1. Relationship of the Preferred Retinal Locus (PRL) to Macular Scotomas in a Low Vision Patient Population
2. Effects of Occupational Therapy on Visual Acuity Performance and SLO Preferred Retinal Locus (PRL) Scores in Low Vision Patients
3. Physiological Blind Spot Characteristics and Position Relative to Retinal Locus for Fixation by SLO Testing
4. Assessment of Visual Function and Scanning Laser Ophthalmoscopy in Treatment of Large Subfoveal CNV: Laser vs Surgical Excision

American Academy of Ophthalmology Mid Year Forum, Chicago, Illinois, April 1994.

Raytown Consolidated School District Vision Impairment Inservice, Raytown, Missouri, April 1994.

University of Kansas Department of Physical Medicine and Rehabilitation Grand Rounds, Kansas City, Kansas, March 1994.

American Academy of Ophthalmology National Eye Care Forum, San Francisco, California, March 1994.

Wilmer Eye Institute/Moran Eye Center Vision 2000 Conference, Salt Lake City, Utah, March 1994.

American Academy of Ophthalmology Board of Trustees Meeting, San Francisco, California, February 1994.

The University of Kansas Occupational Therapy Department, Kansas City, Kansas, December 1993: Eye Anatomy and Pathology in Low Vision.

American Academy of Ophthalmology Annual Meeting, Chicago, Illinois, November 1993:

1. Challenging Cases in Low Vision Rehabilitation
2. Low Vision Rehabilitation in the 90's
3. Low Vision Rehabilitation Symposium - Occupational Therapy in Low Vision Rehabilitation
4. Shared Interest Group Noon Hour Forum

9th Annual Symposium on Low Vision, University of Pennsylvania, Department of Ophthalmology, Scheie Eye Institute, Philadelphia, Pennsylvania, October 1993: Occupational Therapy in Low Vision Rehabilitation.

The Retina Society 26th Annual Scientific Meeting, San Francisco, California, September 1993:

- Prevalence and Functional Implications of Fixation Within Ring Scotomas in Macular Degeneration
- Assessment of Visual Function and Scanning Laser Ophthalmoscopy in the Surgical Removal of Subfoveal Neovascular Membranes

Department of Ophthalmology, St. Louis University, St. Louis, Missouri, August 1993: Visiting Professor.

Department of Ophthalmology, University of Alberta, Edmonton, Canada, August 1993: Low Vision Rehabilitation.

Department of Ophthalmology, University of Saskatchewan, Resident Education Seminar, Saskatoon, Canada, August 1993: The Scanning Laser Ophthalmoscope in Low Vision Rehabilitation.

Oregon Rehabilitation Center, Continuing Education Seminar, Eugene, Oregon, July 1993: Comprehensive Evaluation of the Rehab Patient with Low Vision.

Smith Kettlewell Eye Research Institute Colloquia Forum, San Francisco, California, June 1993: New Developments in Low Vision Rehabilitation.

American Occupational Therapy Association Annual Meeting, Seattle, Washington, June 1993: Occupational Therapy/Ophthalmology: Partnership in Low Vision Rehabilitation.

Eschenbach Optik Annual Distributors' Sales Meeting, Danbury, Connecticut, June 1993.

Rodenstock Scanning Laser Ophthalmoscope Users Group Meeting, Sarasota, Florida, May 1993.

- Macular Function Testing in Low Vision Research and Rehabilitation

Association for Research in Vision and Ophthalmology Annual Meeting, Sarasota, Florida, May 1993.

1. A Scanning Laser Ophthalmoscope Preferred Retinal Locus Scoring System Compared to Reading Speed and Accuracy.
2. Prevalence of Photopsias and Charles Bonnet Syndrome in a Low Vision

Population.

3. Long Term Assessment of Visual Function and Scanning Laser Ophthalmoscopy of Laser Treated versus Untreated Fellow Eyes with Age Related Macular Degeneration.

National Institute on Disability and Rehabilitation Research Consensus Validation Conference, Arlington, Virginia, January 1993.

American Academy of Ophthalmology Annual Meeting, Dallas, Texas, November 1992 (3X).

Joint Commission on Allied Health Personnel in Ophthalmology Annual Meeting, Dallas, Texas, November 1992 (2X).

University of Missouri-Kansas City, Low Vision Rehabilitation Lecture Series, Kansas City, Missouri, July 1992.

Association for Education and Rehabilitation of the Blind and Visually Impaired International Conference, Los Angeles, California, June 1992.

Family Medicine Residents Instruction Series - Truman Medical Center East, Kansas City, Missouri January 1992.

Kansas City Journal Club Quarterly Meeting, Kansas City, Missouri January 1992.

American Academy of Ophthalmology Annual Meeting, Anaheim, California October 1991 (3X).

Joint Commission on Allied Health Personnel in Ophthalmology Annual Meeting, Anaheim, California October 1991 (2X).

Tampa Bay Ophthalmological Society, Inc. Summer Meeting, St. Petersburg, Florida May 1991.

Division of Blind Services Workshop, Tampa, Florida April 1991.

Association for Macular Diseases Seminar, Tampa, Florida February 1991.

Association of University Professors of Ophthalmology (AUPO) Annual Meeting, Naples, Florida January 1991.

American Academy of Optometry Annual Meeting, Nashville, Tennessee, December 1990.

Joint Commission on Allied Health Personnel in Ophthalmology Annual Meeting, Atlanta, Georgia November 1990.

University of South Florida Residents Curriculum, Tampa, Florida, September 1990.

Oregon Lions Sight and Hearing Institute Low Vision Seminar, Portland, Oregon 1990.

Washington State Academy of Ophthalmology Assistant's Program, Seattle, Washington 1990.

University of Washington Ophthalmology Resident's Basic and Clinical Science Course, Seattle, Washington 1990.

St. Cabrini Hospital Senior Health Center Inservice, Seattle, Washington 1989.

American Congress of Rehabilitation Medicine Annual Meeting, San Antonio, Texas 1989.

Joint Commission on Allied Health Personnel in Ophthalmology Annual Meeting, New Orleans, Louisiana 1989.

Resources for Rehabilitation - Working with Low Vision Patients Seminar, New Orleans, Louisiana 1989.

Tampa General Hospital Rehabilitation Center Inservice, Tampa, Florida 1989.

Washington State Academy of Ophthalmology / Medical Association of Washington State Annual Meeting, Seattle, Washington 1989.

Oregon Lions Sight and Hearing Institute Low Vision Seminar, Portland, Oregon 1989.

Northwest Hospital Ophthalmologic Staff Monthly Meeting, Seattle, Washington 1989.

St. Cabrini Hospital Staff Inservice, Seattle, Washington 1989.

VTEK Annual Sales Convention, Redondo Beach, California 1989.

Pierce County Ophthalmologic Society Meeting, Tacoma, Washington 1989

Joint Commission on Allied Health Personnel in Ophthalmology, Annual Meeting,

Las Vegas, Nevada 1988.

Association for Education and Rehabilitation of the Blind and Visually Impaired  
Continuing Education Seminar, San Francisco, California 1988.

Oregon Lions Sight and Hearing Institute Low Vision Seminar, Portland, Oregon  
1988.

Association for Education and Rehabilitation of the Blind and Visually Impaired,  
Georgia Chapter Annual Conference, Hiawassee, Georgia 1988.

Association for Education and Rehabilitation of the Blind and Visually Impaired  
International Conference, Montreal, Canada 1988.

Stanford University and the Institute for Scientific Research Continuing Education  
Seminar, Palo Alto, California 1988.

Alabama Association of Optometrist's Annual Meeting, Birmingham, Alabama 1988.

Pacific Presbyterian Medical Center, Grand Rounds, San Francisco, California 1987

Alabama Academy of Ophthalmology, Annual Meeting Scientific Session, Destin,  
Florida 1987.

Joint Commission on Allied Health Personnel in Ophthalmology, Annual Meeting,  
Dallas, Texas 1987.

The Eye Foundation Hospital Continuing Medical Education Seminar,  
Birmingham, Alabama 1987.

Chicago Ophthalmology Resident's Basic Science Course, Chicago, Illinois 1987.