

*WAKE FOREST UNIVERSITY
SCHOOL OF MEDICINE
CURRICULUM VITAE*

NAME: B. Todd Troost, M.D.

ADDRESS:

RESIDENCE: 3673 Maple Glen Lane
Winston-Salem, North Carolina 27106

BUSINESS: Former Chairman (1983-2004) Now Retired
Department of Neurology
Wake Forest University School of Medicine
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PERSONAL INFORMATION:

BIRTHPLACE: Mankato, Minnesota

BIRTH DATE: July 5, 1937

CITIZENSHIP: United States of America

MARITAL STATUS: Married (April 17, 1976)

SPOUSE'S NAME: Gail

CHILDREN: Elizabeth
Laurie

EDUCATION:

1955-1959 Yale University (College)
New Haven, Connecticut
B.S. Biophysics (Honors)

EDUCATION: (continued)

- 1959-1963 Harvard University (School of Medicine)
Cambridge, Massachusetts
M.D.
- 1980-1983 Case Western Reserve University
Department of Biometry and Computer Science
Cleveland, Ohio
Masters Program: Computers in Medicine

POSTDOCTORAL TRAINING:

- 1963-1964 Colorado General Hospital
Denver, Colorado
Medical Internship
- 1966-1969 Colorado General Hospital
Denver, Colorado
Clinical Fellow
(Resident) in Neurology
- 1969-1970 University of California School of Medicine
San Francisco, California
Department of Ophthalmology, Neurosurgery and Neurology
NIH Fellow in Neuro-Ophthalmology

UNIFORMED SERVICE:

- 1964-1966 Captain
United States Army Medical Corps.
- 1965-1966 Flight Surgeon
121 Evacuation Hospital
Ascom, Korea

PROFESSIONAL LICENSURE:

- National Board of Medical Examiners
State of California (passed, now expired)
State of Florida (passed, now expired)
State of Pennsylvania (passed, now expired)
State of Ohio (passed, now expired)
State of North Carolina (now expired)

SPECIALTY CERTIFICATION:

October 1972
Diplomat in Neurology
American Board of Psychiatry and Neurology

EMPLOYMENT:

1970-1971
Research Trainee
(Without Compensation)
Veterans Administration Hospital
Miami, Florida

1970-1971
Research Fellow
Department of Neurology
University of Miami
Coral Gables, Florida

1971-1973
Research Associate
Department of Neurology
University of Miami School of Medicine
Coral Gables, Florida

1971-1974
Research and Education Associate
Veterans Administration Hospital
Miami, Florida

1973-1976
Assistant Professor of Neurology
University of Miami School of Medicine
Coral Gables, Florida

1974-1977
Staff Physician
Neurology Service
Veterans Administration Hospital
Miami, Florida

1976-1977
Associate Professor of Neurology
University of Miami School of Medicine
Coral Gables, Florida

EMPLOYMENT: (Continued)

1977-1980	Associate Professor of Neurology University of Pittsburgh School of Medicine Pittsburgh, Pennsylvania
1977-1980	Chief Neurology Service Veterans Administration Medical Center Pittsburgh, Pennsylvania
1977-1980	Senior Lecturer Biomedical Engineering Program Carnegie-Mellon University Pittsburgh, Pennsylvania
1978-1980	Associate Professor of Ophthalmology University of Pittsburgh School of Medicine Pittsburgh, Pennsylvania
1980-1983	Chief Neurology Service Veterans Administration Medical Center Cleveland, Ohio
1980-1983	Professor & Vice Chairman Department of Neurology Case Western Reserve University School of Medicine Cleveland, Ohio
1983-2004	Professor & Chairman Department of Neurology Bowman Gray School of Medicine Wake Forest University Winston-Salem, North Carolina
1987-2004	Associate in Ophthalmology Department of Ophthalmology Bowman Gray School of Medicine Wake Forest University Winston-Salem, North Carolina

EMPLOYMENT: (Continued)

1992-2004	Professor of Anesthesia Department of Anesthesia Bowman Gray School of Medicine Wake Forest University Winston-Salem, North Carolina
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OTHER PROFESSIONAL APPOINTMENTS AND ACTIVITIES:

EXECUTIVE DEVELOPMENT:

May 30-June 1992	AAMC Section on Resident Education Professional Development Meeting Santa Fe, New Mexico
October 28- November 3, 1993	AAMC Executive Development Seminar Marathon Key, Florida
July 30-August 2, 1993	AAMC Group on Faculty Practice Summer Symposium Snowmass Village, Colorado
May 22-25, 1993	AAMC Section on Resident Education Professional Development Meeting Charleston, South Carolina
October 25-26, 1993	AAMC 1993 Health Care Reform Briefing Session Washington, DC
February 16-18, 1994	AAMC Conference on "Academic Medicine: Restructuring for New Era," Washington, DC
June 4-7, 1994	AAMC SRE Professional Development Meeting La Jolla, California
July 8-11, 1994	AAMC GFP Summer Symposium Santa Fe, New Mexico
May 20-23, 1995	AAMC SRE Professional Development Meeting Toronto, Canada

OTHER PROFESSIONAL APPOINTMENTS AND ACTIVITIES: (Continued)

July 7-10, 1995 *AAMC GFP Summer Symposium*
Boston, Massachusetts

EDITORIAL BOARD:

1985-1990 Neurology

1988-Present NERVLIN

1989-1990 Neurology, Software Review

1990-1996 Journal of the Neurological Sciences
Opinions & Reviews

1997-Present Think - An Internet Neurology Information System

1997-1998 Headaches-Neurosource
<http://www.neurosource.com>

REVIEWER:

Archives of Neurology
Annals of Neurology
Archives of Ophthalmology
Behavioral and Brain Sciences
Neurology
Stroke
Journal of the Neurological Sciences
American Journal of Geriatrics

PARTICIPANT:

1988 Workshop on Anesthesia and Paralysis in Experimental Animals

STAFF APPOINTMENTS:

1983-2004 Medical Staff Member, North Carolina Baptist Hospital
Winston-Salem, North Carolina

1992-2002 Medical Staff Member, Forsyth Memorial Hospital
Winston-Salem, North Carolina

GRANTS:

- 1971-1972 "Pathophysiology of Human Ocular Movements"
Amount: \$20,000 per year salary support
Source: Veterans Administration
- 1975 "Neurological Control of Eye Movements"
Amount: \$12,800
Sources: Veterans Administration (RAGS)
- 1976-1978 "Coordination of Head and Eye Movements in Humans"
Amount: \$46,800
Source: Veterans Administration - Merit Review Program
- 1978-1980 "Effects of Visual Pursuit Defects on the Human Vestibulo-
Ocular Reflex
Amount: \$28,000
Source: Health Services Research Foundation (HRSF)
- 1978-1979 "Saccadic Eye Movement Latency in Optic Nerve Disease"
Amount: \$12,000
Source: Pennsylvania Lions Sight Conservation and Eye
Research Foundation
- 1980 "Subclinical Internuclear Ophthalmoplegia in Optic Neuritis"
Amount: \$10,000
Source: Pennsylvania Lions Sight Conservation and Eye
Research Foundation
- 1979-1980 "Effects of Age on Human Ocular Motor Performance". Larry
A. Abel, Ph.D.-Principal Investigator, Dr. Troost Co-
Investigator)
Amount: \$17,000
Source: Health Services Research Foundation (HSRF)
- 1979-1981 "Effect of Age and Neurological Disease on Human Ocular
Motor Performance"
Amount: \$210,000
Source: Veterans Administration - Merit Review Program

GRANTS: (Continued)

1980-1982	"Masters Degree Program - Computers in Medicine" Amount: \$5,000 per year salary support Source: National Library of Medicine & Department of
Biometry	
1982-1984	"Effect of Age and Neurological Disease on Human Ocular Motor Performance" Amount: \$250,000 Source: Veterans Administration - Merit Review Program
1984-1985	"Study of Piracetam versus placebo" Source: G. H. Besselar Associates
1984-1985	"A Randomized, 3-month, Double-Blind, Parallel Group, Multicenter Study to Compare the Efficacy and Safety of Piracetam with that of Placebo in Facilitating the Rehabilitation Process in Patients Recovering from Acute Infarction in the Area Supplied by the Middle Cerebral Artery." Source: G. H. Besselar Associates
1986	Principal Investigator "Long term safety of Cavinton in the treatment of multi-infarct dementia." Ayerst Laboratories Protocol 82-019
1986	Principal Investigator "Long term safety and efficacy of Vinpocetine." Ayerst Laboratories Protocol 83-110
1986	Principal Investigator "A 21-day, double-blind, parallel-group, multicenter study to compare the efficacy and safety of Nimodipine with that of placebo in patients with acute ischemic stroke." GH Besselar (Miles Laboratory) Protocol 850
1986	Principal Investigator "The continued long term safety of Ceractin (Vinpocetine)" Ayerst Laboratories Protocol 86-003

GRANTS: (Continued)

1990	Principal Investigator "Oxiracetam in the Treatment of Patients with Cognitive Impairment Associated with Dementia of the Alzheimer's Type - Stages 3-4." Source: Smith Kline French, Inc. (BG89-0263)
1991-1993	Co-Investigator 15% Study of PEG-SOD on Neurologic Outcome Following Cardiopulmonary Bypass Surgery \$450,000 Direct Costs
1991-1996	Principal Investigator 20% "Program project, Cardiopulmonary bypass and neurologic outcome" \$5,400,000 Direct Costs NINDS

PROFESSIONAL MEMBERSHIPS:

MEMBERSHIP IN MEDICAL AND SCIENTIFIC SOCIETIES:

1963	Aesculapian Club of Boston
1969	American Association for Advancement of Science
1972	American Association for the Study of Headache
1973	American Academy of Neurology (Fellow)
1973	American Epilepsy Society
1973	International Perimetric Society
1974	Rocky Mountain Neuro-Ophthalmology Society
1975	Society for Neuroscience
1975	Association for Research in Vision and Ophthalmology
1977	American Neurological Association (Active Member)
1977	American Medical Association
1979	Association for Research in Otolaryngology
1982	Barany Society
1982	American Neurotology Society

PROFESSIONAL MEMBERSHIPS: (continued)

MEMBERSHIP IN MEDICAL AND SCIENTIFIC SOCIETIES: (CONTINUED)

1984	Institute of Electrical and Electronics Engineers, Inc. (IEEE Society)
1984	Western North Carolina Society for Neuroscience
1984	North Carolina Medical Society
1984	Forsyth, Stokes, Davie County Medical Society
1984	North Carolina Neurological Society
1984	Association of University Professors of Neurology
1984	American Association of Medical Colleges
1989	American Society of Neuroimaging
2000	American Headache Society
2003	International Headache Society

ADVISORY BOARDS:

December 1972- January 1974	Member Board of Directors Greater Miami Epilepsy Foundation
January 1974- November 1976	Vice-President Board of Directors Greater Miami Epilepsy Foundation
November 1976- June 1977	President Board of Directors Greater Miami Epilepsy Foundation
1974-1977	Professional Advisory Board Florida Epilepsy Foundation
1976-1977	Member Advisory Committee for Electroencephalographic Technology Program Miami Dade Community College
1976-1981	Educational Materials Reviewer National Library of Medicine

CORPORATION BOARDS:

1994-1998	QualChoice of North Carolina Board of Directors
2001-2004	Allergan, Inc. (Pharmaceutical Corporation) Editorial Board

PROFESSIONAL MEMBERSHIPS: (continued)

NATIONAL COMMITTEES:

1974	Member American Academy of Neurology Scientific Program Committee
1977	Co-Chairman American Academy of Neurology Special Course in Neuro-Ophthalmology
March 1981	Guest Reviewer National Eye Institute Visual Sciences B, Study Section
1981-1985	Member National Eye Institute Visual Sciences B, Study Section
1983	Association for Computing Machinery
1983-1987	Consultant to the Strabismus, Amblyopia, and Visual Processing Panel for <u>Vision Research</u> - A <u>National Plan</u> . National Eye Institute
1984-1985	The American Neurological Association National Committee on Research in Neurological and Communicative Disorders and Stroke (NCR)
April 29, 1985	American Academy of Neurology Chairman of Neuro-ophthalmology Dinner Course Dallas, Texas
1985-2004	Part II Examinations Committee for the American Board of Psychiatry and Neurology, Inc.
April 27-28, 1986	Chairman American Academy of Neurology Eye Movements Course New Orleans, Louisiana
1987-1990	Chairman Annals of Neurology Oversight Committee

PROFESSIONAL MEMBERSHIPS: (continued)

NATIONAL COMMITTEES:

1987-1988	Member National Eye Institute Ad Hoc Review Committee for Optic Neuritis Treatment Trial (ONTT)
1988	Federal Highway Administration Task Force for Neurological Conditions and Commercial Drivers Office of Motor Carriers U.S. Department of Transportation
1989-1996	Chairman AUPN Graduate Medical Education Committee
1990-1992	Vice President Association of University Professors of Neurology (AUPN)
1990	Treasurer American Neurological Association (ANA)
1990-1990	Chairman American Society of Neuroimaging Oversight Committee
1991-1994	Treasurer American Neurological Association (ANA)
1991-2000	Chairman North American Neuro-ophthalmology Society Publications Committee
1992-1995	AAMC Representative for the AUPN Section on Resident Education (SRE) Group on Educational Affairs
1996	Board of Directors North American Neuro-Ophthalmology Society (NANOS)
1994-1996	President-Elect Association of University Professors of Neurology (AUPN)

PROFESSIONAL MEMBERSHIPS: (continued)

1996-1998	President Association of University Professors of Neurology (AUPN)
2000-2001	1st Vice-President American Neurological Association (ANA)

NATIONAL COMMITTEES: (Continued)

1.2003	Scientific Program Chairman American Society of Neuroimaging
1.2004	President-Elect American Society of Neuroimaging
1.2004	President American Society of Neuroimaging
2002 – 2004	Member Internet Committee North American Neuro-ophthalmology Society Publications Committee
2003-2004	Chairman American Headache Society Publications Committee

COMMUNITY ACTIVITIES:

1975-1977	Guest Lecturer School of Health and Social Services Florida International University, Miami
1984	Director for the United Way Drive Bowman Gray School of Medicine
1985	Director, Medical Division United Way Campaign

MAJOR LOCAL COMMITTEES 1973-1978:

1973	Member Ad Hoc Elective Committee University of Miami School of Medicine
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PROFESSIONAL MEMBERSHIPS: (CONTINUED)

MAJOR LOCAL COMMITTEES 1973-1978: (Continued)

1974-1977	Chairman Residency Application Committee Department of Neurology University of Miami School of Medicine
1975-1976	Member Human Studies Subcommittee Miami Veterans Administration Hospital
1976-1977	Chairman Human Studies Subcommittee Miami Veterans Administration Hospital
1978	Member Ad Hoc Promotion Committee for Jay Glass, Ph.D. University of Pittsburgh, School of Medicine
1978	Member Ad Hoc Promotion Committee for Marvin H. Bennett, Ph.D. University of Pittsburgh, School of Medicine

MAJOR LOCAL COMMITTEES 1979-1983:

1979	Chairman Ad Hoc Promotion Committee for Samuel M. Turner, Ph.D. University of Pittsburgh, School of Medicine
1979	Chairman Ad Hoc Promotion Committee for Leonard H. Epstein, Ph. D. University of Pittsburgh, School of Medicine
1979	Masters Thesis Committee: Michael J. Landolo Carnegie Mellon University
1980	Chairman Special Senses Subcommittee Neuroscience Medical School Course University of Pittsburgh, School of Medicine

PROFESSIONAL MEMBERSHIPS: (Continued)

MAJOR LOCAL COMMITTEES 1979-1983: (Continued)

1980	Member Ad Hoc Committee for Self Study of the Department of Orthopedics University of Pittsburgh, School of Medicine
1980	Member Ad Hoc Committee for Space Utilization in Falk Clinic University of Pittsburgh, School of Medicine
June 1978-July 1980	Chairman Computer Committee Pittsburgh Veterans Administration Hospital
1980	Masters Thesis Committee: Jose R. Latimer Carnegie Mellon University
1980-1981	Member Ambulatory Care Center Planning Committee Case Western Reserve University, School of Medicine
1980-1983	Member Professional Advisory Committee Case Western Reserve University, School of Medicine
1980-1983	Chairman Departmental Review Board for Human Investigation Case Western Reserve University, School of Medicine
1980-1983	Member Faculty Council Case Western Reserve University, School of Medicine
1981	Ph.D. Committee Francois Boller, M.D. Case Western Reserve University, School of Medicine

PROFESSIONAL MEMBERSHIPS: (Continued)

MAJOR LOCAL COMMITTEES 1979-1983: (Continued)

1982-1983	Member Medical School Computer Committee Case Western Reserve University, School of Medicine
1982-1983	Member Ad Hoc Subcommittee on Quality Assurance: Order Writing Case Western Reserve University, School of Medicine
July, 1983	Faculty Senator Case Western Reserve University, School of Medicine Representative
July, 1983	Personnel Committee of University Senate Case Western Reserve University, School of Medicine
1980-1983	Clinical Executive Board Cleveland Veterans Administration Hospital
1980-1983	Clinical Service Chiefs Cleveland Veterans Administration Hospital
1982- January 1983	Computer Committee Cleveland Veterans Administration Hospital

MAJOR LOCAL COMMITTEES 1983-PRESENT:

February 1, 1983- July 1983	Chairman VA Computer & Director VAX project Cleveland Veterans Administration Hospital
1982-1983	Hospital Space Committee Cleveland Veterans Administration Hospital
1983-2004	Chief of Professional Services Executive Committee Bowman Gray School of Medicine of Wake Forest University
1983-2004	Clinical Faculty Advisory Council The Bowman Gray School of Medicine of Wake Forest University

PROFESSIONAL MEMBERSHIPS: (Continued)

MAJOR LOCAL COMMITTEES 1983-PRESENT: (Continued)

1983-2004	Faculty Executive Council Bowman Gray School of Medicine of Wake Forest University
1983-1989	Graduate Medical Education Bowman Gray School of Medicine of Wake Forest University
1983-1985	Research Building Committee Bowman Gray School of Medicine of Wake Forest University
1983-1985	Education Committee Bowman Gray School of Medicine of Wake Forest University
1983-1985	Department of Clinics Committee
1983-1986	Research Facilities Advisory Planning Committee Bowman Gray School of Medicine of Wake Forest University
1983-1984	Secretary/Treasurer Western Chapter North Carolina Society for Neuroscience Bowman Gray School of Medicine of Wake Forest University
1983-1984	Rehabilitation Committee Bowman Gray School of Medicine of Wake Forest University
1984-1985	Ad-hoc Committee for Adjudication of Laboratory Policies
1985-1986	Chairman Surgery Chairman Search Committee Bowman Gray School of Medicine of Wake Forest University
1985-1986	Laboratory Committee Bowman Gray School of Medicine of Wake Forest University
1985-1987	DOC Computer Executive Board Planning Committee
1986-1987	President Western Chapter North Carolina Society for Neuroscience Bowman Gray School of Medicine of Wake Forest University

PROFESSIONAL MEMBERSHIPS: (Continued)

MAJOR LOCAL COMMITTEES 1983-PRESENT: (Continued)

1988-1990 Clinical Sciences Building Committee

1988-1990 Medical Center Information Services Committee

1988-1989 Physiology/Pharmacology Search Committee

PROFESSIONAL MEMBERSHIPS: (Continued)

MAJOR LOCAL COMMITTEES 1983-PRESENT: (Continued)

1989-2004 General Clinical Research Center Advisory Committee (GCRC)
Bowman Gray School of Medicine of Wake Forest University

1989-1990 Ultrasound Center Board
Bowman Gray School of Medicine of Wake Forest University

1990-2004 WFUP Committee
Bowman Gray School of Medicine
Wake Forest University

1990-2004 Target Health (Community Health Education)
Steering Committee
Bowman Gray School of Medicine
Wake Forest University

1990 Chairman
Nursing Staff Development Educator Committee
Bowman Gray School of Medicine
Wake Forest University

1991-1993 WFUP Committee - Vice President for Patient Relations
Bowman Gray School of Medicine
Wake Forest University

1991 Chairman
Committee to Evaluate the Tenure of the Dean
Bowman Gray School of Medicine
Wake Forest University

PROFESSIONAL MEMBERSHIPS: (Continued)

MAJOR LOCAL COMMITTEES 1983-PRESENT: (Continued)

1991	Chairman Library Director Search Committee Bowman Gray School of Medicine Wake Forest University
1992	Chairman Committee on Pre-Employment Drug Screening for Medical School Faculty
1992	Member Task Force on In-Patient Rehabilitation Bowman Gray School of Medicine Wake Forest University
1992	Member Search Committee for Director of Rehabilitation Bowman Gray School of Medicine Wake Forest University
1992	Member Task Force on Outpatient Rehabilitation Bowman Gray School of Medicine Wake Forest University
1992	Member Task Force on Managed Care Bowman Gray School of Medicine Wake Forest University
1992	Chairman Neurobiology and Anatomy Search Committee Bowman Gray School of Medicine Wake Forest University
1993-1994	Co-Chairman Novalis Steering Committee
October 1993-1995	Chairman Wake Forest University Physicians Executive Committee (Chairman, Medical School Practice Plan)

PROFESSIONAL MEMBERSHIPS: (Continued)

MAJOR LOCAL COMMITTEES 1983-PRESENT: (Continued)

1993-1994	Co-Chairman Novalis Steering Committee (Managed Care Committee) Wake Forest University
1994-1995	Risk and Insurance Management Advisory Council Bowman Gray School of Medicine of Wake Forest University
1994-2004	Professional Insurance Committee Risk and Insurance Management Advisory Council Bowman Gray School of Medicine of Wake Forest University
1995-2004	Center for Neuroscience Chairman's Oversight Committee Bowman Gray School of Medicine of Wake Forest University

PROFESSIONAL MEMBERSHIPS: (Continued)

MAJOR LOCAL COMMITTEES 1983-PRESENT: (Continued)

1995-1996	Vice-Chairman Wake Forest University Physicians Executive Committee
1995-2004	Capital Campaign Advisory Committee Bowman Gray School of Medicine of Wake Forest University
1995-1996	WFUP Finance Committee Bowman Gray School of Medicine of Wake Forest University
1997	Chairman Search Committee for Director of Center for Investigative Neuroscience (CIN) Bowman Gray School of Medicine of Wake Forest University
1997	Curriculum for 2002 Phase III Committee Systems Integration and Pathophysiology I Subcommittee Bowman Gray School of Medicine of Wake Forest University
1997	Managed Care Task Force Bowman Gray School of Medicine of Wake Forest University

PROFESSIONAL MEMBERSHIPS: (Continued)

MAJOR LOCAL COMMITTEES 1983-PRESENT: (Continued)

1999	Member Search Committee for Chairman of the Department of Radiologic Sciences Wake Forest University School of Medicine
2000	Member Search Committee for Professor and Chairman of the Department of Surgical Sciences Wake Forest University School of Medicine
2000	Chairman Committee on Copyright Policy Wake Forest University School of Medicine
2000	Member Search Committee for Chief of Service Department of Veteran's Affairs Medical Center Salisbury, North Carolina
2003-2004	Member Recruitment, Retention, Promotion, and Tenure Committee Wake Forest University School of Medicine

HONORS AND AWARDS:

1955	Magna Cum Laude Shattuck School
1959	Bachelor of Science (with Honors) Biophysics Yale University
1963	Aesculapian Club of Boston
1971-1975-1979	American Medical Association Physician's Recognition Award
1978	Sigma XI Pittsburgh Chapter

HONORS AND AWARDS: (continued)

1984-1988	American Medical Association Physician's Recognition Award
1985	Clinical Teaching Award - Class of 1985 Awards Ceremony
1985	United Way - Campaign Cabinet Member Plaque
1986	Teaching Excellence Award Class of 1986 Awards Ceremony
1987	Clinical Teaching Award Class of 1987 Awards Ceremony
1988	Clinical Teaching Award Class of 1988 Awards Ceremony
1995	American Medical Association Physician's Recognition Award in Continuing Medical Education
2000	Yearbook Dedication Class of 2000 Awards Ceremony Wake Forest University School of Medicine
2001	Clinical Teaching Award Class of 2002 Awards Ceremony
2002	Clinical Teaching Award Class of 2003 Awards Ceremony

BIBLIOGRAPHY:

CHAPTERS IN BOOKS:

1. Newton TH, Troost BT. Arteriovenous malformations and fistulae. In: Newton TH, Potts DG, eds. Radiology of the skull and brain angiography, Vol 2. St. Louis: CV Mosby, 1974:(4):2490-2565.
2. Daroff RB, Troost BT. Supranuclear disorders of eye movement. In: Duane TD, ed. Clinical ophthalmology, Vol. II. Hagerstown, MD: Harper and Row, 1976.
3. Daroff RB, Troost BT. Nystagmus and other ocular oscillations. In: Duane TD, ed. Clinical ophthalmology, Vol. II. Hagerstown, MD: Harper and Row, 1976.
4. Troost BT, Glaser JS. Aneurysms, arteriovenous communications, and related vascular malformations. In: Duane TD, ed. Clinical ophthalmology, Vol. II. Hagerstown, MD: Harper and Row, 1976.
5. Troost BT. Migraine. In: Duane TD, ed. Clinical ophthalmology, Vol. II. Hagerstown, MD: Harper and Row, 1976.
6. Troost BT, Daroff RB. Classification of nystagmus. In: Moore S, Mein J, Stockbridge L, eds. Orthoptics, past, present, and future. New York: Stratton, 1976:129-133.
7. Dell'Osso LF, Troost BT. Clinical studies of the ocular motor system. In: Brooks BA, Bajandas FJ, eds. Eye movements, ARVO Symposium 1976. New York: Plenum, 1977:41-63.
8. Troost BT. Aneurysms, Arteriovenous malformations and fistulae. In: Glaser JS, ed. Neuro-ophthalmology: symposium of the University of Miami and the Bascom Palmer Eye Institute, Vol. IX. St. Louis: CV Mosby, 1977:55-74.
9. Daroff RB, Troost BT. Supranuclear disorders of eye movements. In: Glaser JS, ed. Neuro-ophthalmology. Hagerstown, MD: Harper and Row, 1978:201-218.
10. Latimer JR, Troost BT, Bahill AT. Linearization and sensitivity analysis of model for human eye movements. In: Vogt W, Mickle MH, ed. Modeling and simulation. Pittsburgh: Instrument Society of America, 1978:365-371.
11. Troost BT. Migraine. In: Glaser JS, ed. Neuro-ophthalmology. Hagerstown, MD: Harper and Row, 1978:319-350.
12. Troost BT, Glaser JS. Aneurysms, arteriovenous communications and related vascular malformations. In: Glaser JS, ed. Neuro-ophthalmology. Hagerstown, MD: Harper and Row, 1978:319-350.
13. Daroff RB, Troost BT, Dell-Osso LF. Nystagmus and other ocular oscillations. In: Glaser JS, ed. Neuro-ophthalmology. Hagerstown, MD: Harper and Row, 1978:219-240.
14. Troost BT. Episodic Vertigo. In: Conn HF, ed. Current therapy. Philadelphia: WB Saunders, 1979:699-703.

BIBLIOGRAPHY: (continued)

CHAPTERS IN BOOKS: (CONTINUED)

15. Troost BT, Dell'Osso LF. Fast eye movements (saccades): basic science and clinical correlations. In: Thompson HS, Daroff R, Frisén L, Glaser JS, Sanders MD, eds. Topics in neuro-ophthalmology. Baltimore: Williams and Wilkins, 1979:246-265.
16. Troost BT. Neuro-ophthalmology of migraine. American academy of neurology, course book 1979. Neuro-ophthalmology, 1979:45-53.
17. Daroff RB, Troost BT. (Italian Translation). In: Neuro-oftalmologia. Translated by P. Pazzaglia, Aulo Gaggi Editore, Bologna, 1980:207-224.
18. Daroff RB, Troost BT, Dell-Osso LF. (Italian Translation). In: "Neuro-oftalmologia. Translated by P. Pazzaglia. Aulo Gaggi Editore, Bologna, 1980:225-246.
19. Troost BT, Glaser JS. (Italian Translation). In: Neuro-oftalmologia. Translated by P. Pazzaglia, Aulo Gaggi Editore, Bologna, 1980:229-321.
20. Troost BT. (Italian Translation). In: Neuro-oftalmologia. Translated by P. Pazzaglia, Aulo Gaggi Editore, Bologna, 1980:323-351.
21. Troost BT, Kerber CF. Carotid-cavernous fistulas: microcatheter therapy with presentation of carotid flow. In: Glaser JS, ed. Neuro-ophthalmology, Vol. X. St. Louis: CV Mosby, 1980:72-82.
22. Troost BT. Migraine and Facial Pain. In: Lessell S, Van Dalen JTW, eds. Neuro-ophthalmology - 1980. Amsterdam, The Netherlands: Excerpta Medica, 1980:289-305.
23. Troost BT. Neuro-ophthalmology. In Appel SA, ed. Current neurology, Vol. 3. New York: John Wiley & Sons, 1981:454-502.
24. Troost BT. Vertigo. American academy of neurology, course book - 1981. Neuro-ophthalmology, 1981:(3):3-18.
25. Daroff RB, Troost BT. (Spanish Translation). In: Neuro-oftalmologia. Salvat Editores, SS Barcelona, 1982:195-211.
26. Daroff RB, Troost BT, Dell-Osso LF. (Spanish Translation). In: Neuro-oftalmologia. Salvat Editores, SS, Barcelona, 1982:219-240.
27. Troost BT, Glaser JS. (Spanish Translation). In: Neuro-oftalmologia. Salvat Editores, SS, Barcelona, 1982:309-338.

BIBLIOGRAPHY: (continued)

CHAPTERS IN BOOKS: (CONTINUED)

28. Troost BT. (Spanish Translation). In: Neuro-oftalmologia. Salvat Editores, SS, Barcelona, 1982:287-308.
29. Pedersen RA, Abel LA, Troost BT. Anatomy of eye movements. In: Jacobiec F, ed. Biomedical foundations in ophthalmology, Vol 1. Hagerstown, MD: Harper and Row, 1982.
30. Troost BT. Migraine and facial pain. In: Lessell S, van Dalen JTW, eds. Neuro-ophthalmology - 1982. Amsterdam, The Netherlands: Exerpta Medica Publishers, 1982:288-300.
31. Troost BT, Abel LA. Pursuit disorders. In: Lennerstrand G, Zee DS, Keller EL, eds. Functional basis of ocular motility disorders, Vol. 37. Oxford: Permagon Press, 1982:511-515.
32. Troost BT. Nystagmus. American academy of neurology, course book. Neuro-ophthalmology, 1982.
33. Troost BT. Nystagmus and other ocular oscillations. In: Rose FC, ed. The eye in general medicine. London: Chapman and Hall, 1983:181-207.
34. Troost BT. Neuro-ophthalmology of migraine. American academy of neurology, course book 1983. Neuro-ophthalmology. 1983.
35. Troost BT. Medical treatment of vertigo. American Academy of Neurology, course book 1983. Neuro-ophthalmology. 1983.
36. Troost BT. Migraine and facial pain. In: Lessell S, van Dalen JTW, eds. Neuro-ophthalmology - 1984. Amsterdam, The Netherlands: Exerpta Medica Publishers, 1984:336-347.
37. Newton TH, Troost BT, Moseley I. Angiography of arteriovenous malformations and fistulas. In: Wilson CB, Stein BM, eds. Intracranial Arteriovenous Malformations. Baltimore: Williams & Wilkins, 1984:64-104.
38. Daroff RB, Troost BT. Supranuclear disorders of eye movements. In: Duane TD, ed. Clinical ophthalmology, V.2. Philadelphia: Harper & Row, 1985:(10).
39. Dell'Osso LF, Daroff RB, Troost BT. Nystagmus and saccadic intensions and oscillations. In: Duane TD, ed. Clinical ophthalmology, Vol 2. Philadelphia: Harper & Row, 1985:(11).
40. Troost BT. Migraine. In: Duane TD, ed. Clinical ophthalmology, Vol 2. Philadelphia: Harper & Row, 1987:(19).
41. Troost BT. Migraine and facial pain. In: Lessell S, van Dalen JTW, eds. Current neuro-ophthalmology. Chicago: Year Book, 1988:269-287.

BIBLIOGRAPHY: (continued)

CHAPTERS IN BOOKS: (CONTINUED)

42. Benjamin EE, Troost BT. Central auditory disorders. In: English GM, ed. Otolaryngology. Philadelphia: Lippincott, 1988:(30).
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2. "Occipital Lobe Arteriovenous Malformations." San Francisco Neurological Association, Pebble Beach, California, May 23, 1970.
3. Presentation: "Methodology of Eye Movement Recording: Research and clinical applicability." Faculty, Special Course in Neuro-ophthalmology, American Academy of Neurology, St. Louis, April 24, 1972.
4. "Ocular Motor Function Following Hemispherectomy." Troost BT, Weber RB, Daroff RB, Association for Research in Vision and Ophthalmology, (Presented by Dr. Weber), Sarasota, Florida, April 27, 1972.
5. Presentations: "Neurologic Diagnoses Often Missed," "Diagnosis and Management of Headache." Instructor, Clinical Seminar Program, Annual Assembly of the American Academy of General Practice, Miami Beach, Florida, October 4-7, 1972.
6. "Nystagmus - Classification and Clinical Correlations." Neuro-ophthalmology Symposium, Key Biscayne, Florida, January 4, 1973.
7. Discussion of: "Parinaud's Syndrome - A Rare Disease." Neuro-ophthalmology Symposium, Key Biscayne Florida, January 6, 1973.
8. "Cerebral Vascular Insufficiency and Treatment." American College of Cardiology Postgraduate Seminar, "Controversies in Cardiovascular Disease: A Practical Interpretation." Miami, Florida, January 11, 1973.
9. "The Fundus and Visual Fields." American College of Physicians Postgraduate Course in Neurology, Miami, Florida, March 8, 1973.
10. "Migraine or Arteriovenous Malformation (AVM): Clinical and Roentgenographic Features in 25 Cases of Occipital Lobe AVM." 25th Annual Meeting of American Academy of Neurology, Boston, Massachusetts, April 26, 1973.
11. "The Velocity Characteristics of Normal Human Saccadic Eye Movements." Association for Research in Vision and Ophthalmology, Sarasota, Florida, May 1973.
12. "Occipital Lobe Arteriovenous Malformation: Clinical Features of 26 Cases." Neuro-ophthalmology Symposium, Key Biscayne, Florida, January 8, 1974.
13. Moderator: Session on "Neuro-ophthalmology and Learning Disorders." Diagnosis of Neurological Diseases in Children, Miami Beach, Florida, January 9-12, 1974.
14. Presentation: "Nystagmus Revisited." Invited lecturer, Royal College of Physicians and Surgeons
LECTURES, SPEECHES, EXHIBITS, FILMS: (Continued)

15. Canada, 43 Annual Meeting, Neuro-ophthalmology Symposium. Montreal, Canada.
15. Presentations: "Neurological Complications of GI and Endocrine Disease," "Infections of the Nervous System, Important Clues in Management." Faculty of Postgraduate Course in Neurologic Disease, Miami Beach, Florida, January 28-31, 1974.
16. Presentation: "The Medical Aspects of Epilepsy." Invited lecturer, Greater Miami Epilepsy Foundation, Epilepsy Workshop, February 26, 1974.
17. Presentation: "Neurophysiology and Anatomy of Eye Movements." Faculty of Special Course in Neuro-ophthalmology, American Academy of Neurology, San Francisco, California, April 24, 1974.
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19. "Epilepsy - Obstacles to Overcome." National Rehabilitation Training Institute, Miami Beach, Florida, October 30, 1974.
20. Presentation: "Management of Seizures." Faculty North American Interstate Postgraduate Assembly, Miami Beach, Florida, November 6, 1974.
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22. "Dural Carotid Cavernous Sinus Fistulas." Neuro-ophthalmology Course, Miami Beach, Florida, January 8, 1975.
23. Presentations: "The Control of Ocular Movements," "Classification of Nystagmus." Visiting Professor, University of Texas Health Science Center, Dallas, Texas, February 6-8, 1975.
24. Presentations: "Cerebral, Arteriovenous Malformations," "Nystagmus and Related Ocular Oscillations." Visiting Professor, University of New Mexico School of Medicine, Albuquerque, New Mexico, February 23-24, 1975.
25. Presentation: "The Diagnosis and Management of Convulsive Disorders." Faculty, Postgraduate Seminar in Neurologic Disease, Miami Beach, Florida, March 1975.
26. Presentation: "Nystagmus." Faculty, Special Course in Neuro-ophthalmology, American Academy of Neurology, April 1975.
27. Presentation: "Nystagmus." Invited lecturer, Third International Orthoptic Congress, Boston, Massachusetts, July 1-3, 1975.
28. Presentation: "A Classification of Nystagmus." Invited lecturer, American Association of Certified Orthoptists, Dallas, Texas, September 24, 1975.

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29. Presentation: "Nystagmus and Related Ocular Oscillations." Invited lecturer, Neuro-ophthalmology Course, Key Biscayne, Florida, January 6-9, 1976.
30. Presentation: "Modern Management of Epilepsy." Faculty, Third Annual Course in Practical Modern Neurology, Miami Beach, Florida, February 3-5, 1976.
31. Presentations: "Neuropathology," "Epilepsy," "Dementia." Faculty, Basic Neurology Course, Miami Beach, Florida, April 24-26, 1976
32. Presentation: "How to Treat Epilepsy." Invited lecturer, Epilepsy Symposium, Miami, Florida, April 1976.
33. "Effects of Visual Pursuit Deficit on the Human Vestibulo-Ocular Reflex." 28th Annual Meeting of the American Academy of Neurology, Toronto, Canada, April 29, 1976.
34. Discussion of Paper: "Subclinical Eye Movement Disorders in Patients with Multiple Sclerosis." 28th Annual Meeting of the American Academy of Neurology, Toronto, Canada, April 29, 1976.
35. Scientific Exhibit: "Cervical Axial Tomography." 28th Annual Meeting of the American Academy of Neurology, Toronto, Canada, April 28 - May 1, 1976.
36. "Quantitative Analysis of the Ocular Motor Defect in Progressive Supranuclear Palsy." 101st Annual Meeting of the American Neurological Association, San Francisco, California, June 14, 1976.
37. Presentation: "Hemorrhagic Stroke." Faculty, Symposium on Stroke, Pan American Medical Association, Hollywood, Florida, October 27, 1976.
38. Presentation: "Clinical Studies of the Ocular Motor System." Invited lecturer, Symposium on Eye Movements, Southern Regional Meeting of the Association for Research in Vision and Ophthalmology. University of Texas Health Science Center, San Antonio, Texas, October 29-30, 1976.
39. Presentation: "Aneurysm, Arteriovenous Malformations and Fistulas." Invited lecturer Neuro-ophthalmology Course, Miami Beach, Florida, January 4, 1977.
40. Presentation: "Mechanisms of Ocular Oscillations." Faculty Fourth Annual Course: "A Neurological Update." Miami Beach, Florida, January 25, 1977.
41. Presentations: "Epilepsy," "Dementia." Faculty Basic Neurology Course, Miami Beach, Florida, March 2, 1977.
42. Presentation: "Physiology and Anatomy of Gaze." Faculty Special Course in Neuro-ophthalmology, American Academy of Neurology, Atlanta, Georgia, April 26, 1977.

LECTURES, SPEECHES, EXHIBITS, FILMS: (Continued)

43. Presentation: "Diagnosis and Treatment of Epilepsy." Guest lecturer, University of Pittsburgh, Regional Medical Society Meeting of Northern Pennsylvania, Bradford, Pennsylvania, October 16, 1977.
44. Presentation: "Fast Eye Movements (Saccades): Basic Science and Clinical Correlations." Faculty, International Workshop in Neuro-ophthalmology, Iowa City, Iowa, November 10-12, 1977.
45. Presentation: "Supranuclear Control of Eye Movement." Faculty, Clinical Neuro-Otolaryngology Course, Pittsburgh, Pennsylvania, November 17-19, 1977.
46. Presentation: "Pathology of the Vestibulo-Ocular Reflex." Invited lecturer, Association for Research in Otolaryngology, St. Petersburg, Florida, January 31, 1978.
47. "Therapy of Arteriovenous Malformations (AVM) with Balloon Microcatheter and Plastic Polymer." Kerber CW, Bank WO, Troost BT, Presented by Dr. Bank, American Academy of Neurology, Annual Meeting, Los Angeles, California, April 1978.
48. Presentations: "Supranuclear Control of Gaze," "Disturbances of Gaze and Nystagmus." Invited lecturer, American Association of Certified Orthoptists at American Academy of Ophthalmology Annual Meeting, Kansas City, October 1978.
49. Presentations: "Migraine and Its Variants," "Ocular Oscillations." Invited Lecturer, Middle Atlantic Optometric Conference, Pittsburgh, Pennsylvania, October 8, 1978.
50. Presentation: "Eye Movements." Faculty, Clinical Neuro-Otology Course, Pittsburgh, Pennsylvania, October 1978.
51. Presentations: "The Vestibulo-Ocular Reflex," "The Enigma of Migraine and Occipital Lobe Arteriovenous Malformation." Visiting Professor, Departments of Ophthalmology and Neurology, University of Iowa, Iowa City, October 1978.
52. Presentation: "Headache: Diagnosis and Treatment." Guest lecturer, University of Pittsburgh, Regional Medical Society Meeting of Northern Pennsylvania, Bradford, Pennsylvania, October 18, 1978.
53. Presentations: "Arteriovenous Malformations - Symptomatology and Modern Therapy," "The Brain and Regulation of Eye Movement." Visiting Professor, Department of Neurology, University of West Virginia, Morgantown, West Virginia, November 1978.
54. "Interaction of the Eye Movement and Locomotory Control Systems." Latimer JR, Bahill AT, and Troost BT, Presented at the Society for Neuroscience, Annual Meeting, St. Louis, November 1978. (Presented by Mr. Latimer)

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56. Presentations: "The Basic Science for Eye Movements," "Introduction to Nystagmus." Visiting Professor, Cleveland Clinic Foundation, Department of Neurology, Cleveland, Ohio, March 5-8, 1979.
57. Presentation: "The Neuro-ophthalmology of Migraine." Faculty, Special Course in Neuro-ophthalmology, American Academy of Neurology, Chicago, Illinois, April 24, 1979.
58. "Palinopsia: Cerebral Localization with Computed Tomography." Michel EM and Troost BT, American Academy of Neurology, Chicago, Illinois, April 27, 1979. (Presented by Dr. Michel)
59. "Quantitative Analysis of Smooth Pursuit Eye Movements." Bahill AT, Iandolo MJ, and Troost BT, Presented at the Association for Research in Vision and Ophthalmology, Sarasota, Florida, May 4, 1979. (Presented by Dr. Bahill)
60. Presentations: "Vertebro-Basilar Insufficiency," "Ocular Vertigo." Faculty, Symposium on Balance Disorders, Wheeling Hospital, Wheeling, West Virginia, September 20, 1979.
61. "Frequency Characteristics of the Human Electro-Oculographic Response." Abel LA, Bahill AT, Troost BT, Presented at the Society for Neuroscience, Atlanta, Georgia, November 1979. (Presented by Dr. Abel)
62. "Smooth Pursuit Eye Movements." Bahill AT, Troost BT, Presented at the Society for Neuroscience, Atlanta, Georgia, November 1979. (Presented by Dr. Bahill)
63. Presentation: "Management of Cerebrovascular Disease." Invited Lecturer: Pennsylvania Academy of Physical Medicine and Rehabilitation, Harrisburg, Pennsylvania, November 3, 1979.
64. "Measurement of Visual Acuity in Latent Nystagmus." Evans DE, Biglan AW, and Troost BT, Presented at the American Academy of Pediatric Ophthalmology and Strabismus, San Diego, California, April 4, 1980. (Presented by Dr. Biglan)
65. "Both Undershoot and Overshoot Glissades are Caused by Pulsewidth Errors." Bahill AT, Troost BT, Presented at the Association for Research in Vision and Ophthalmology, Orlando, Florida, April 1980. (Presented by Dr. Bahill)
66. Presentation: "Metabolic and Vestibular Factors to be Considered in Evaluation of Syncope." Invited lecturer, American Heart Association, Pennsylvania Affiliate course: Syncope, a Clinical Approach to Diagnosis and Treatment, Hershey, Pennsylvania, April 17-18, 1980.

LECTURES, SPEECHES, EXHIBITS, FILMS: (Continued)

67. Presentation: "Optokinetic Testing: Neurophysiology." Invited lecturer, Louisiana State University Course on Vestibular Disorders and Electronystagmography, New Orleans, Louisiana, May 9, 10, 1980.
68. Presentations: "Eye Movements," "Smooth Pursuit and Optokinetic Nystagmus." Invited lecturer, University of Pittsburgh Course on Electronystagmography, Pittsburgh, Pennsylvania, August 21-23, 1980.
69. "Measurement of Visual Acuity in Latent Nystagmus." Evans DE, Biglan AW, and Troost BT, Presented at the American Academy of Ophthalmology, Chicago, Illinois, November 4, 1980. (Presented by Dr. Biglan)
70. Presentation: "The Ocular System as a Dynamic System." Faculty, Symposium of Rotational Testing, Pittsburgh, Pennsylvania, February 1981.
71. Presentation: "Vertigo and Dizziness." Faculty, Special Course in Neuro-ophthalmology, American Academy of Neurology, Toronto, Canada, April 1981.
72. "Absence of VOR Suppression in the Presence of Intact Pursuit." Association for Research in Vision and Ophthalmology, Sarasota, Florida, April 28, 1981. (Presented by Dr. Dell-Osso)
73. "The Effects of Age on Saccadic Eye Movement Characteristics." Association for Research in Vision and Ophthalmology, Sarasota, Florida, April 28, 1981. (Presented by Dr. Abel)
74. Presentations: "Diagnosis of Seizure Disorders," "Treatment of Seizure Disorders." Invited lecturer, Case Western Reserve University, "MEDICINE TODAY," Cleveland, Ohio, May 8, 1981.
75. Presentations: "Control of the Ocular Motor System," "Nystagmus." Invited lecturer, Chicago Neurological Association. May 19, 1981.
76. Presentation: "Human Eye Movement Control." Invited lecturer, Rush Presbyterian St. Lukes Hospital, Chicago, Illinois, May 20, 1981.
77. Presentations: "Migraine: Visual Correlates," "Central Nystagmus and Dizziness." Faculty, University of Toronto Neuro-ophthalmology Course, Toronto, Canada, May 28 - May 29, 1981.
78. "Dizziness - Causes and Cures." Amici Medicine, Cleveland, Ohio, June 10, 1981. (Presented with Dr. Daroff)
79. Presentations: "Eye Movements," "Pursuit and Optokinetic Nystagmus." Faculty, Clinical Evaluation of the Vestibular System, Course at University of Pittsburgh, Pennsylvania, August 20 - August 22, 1981.
80. Presentation: "The Cortical Control of Smooth Pursuit." Invited lecturer, Clinical Aspects of Ocular Motor Control, Second Wenner-Gren International Symposium, Stockholm, Sweden, August 31 - September 4, 1981. (Presented by Dr. Abel)

LECTURES, SPEECHES, EXHIBITS, FILMS: (Continued)

81. "Question the Experts." Invited lecturer, Clinical Neurologic Update, New Orleans, Louisiana, September 18, 1981.
82. Presentation: "The Ocular Motor Control System." Faculty, Symposium on Vestibular Disorders, Bowman Gray School of Medicine, Winston-Salem, North Carolina, October 6-8, 1981.
83. "Dizziness and Vertigo." Television Tape & Conference, Invited lecturer, Ohio Medical Educational Network, October 12-15, 1981. (With Dr. Daroff)
84. "Dizziness and Vertigo." Woman's Association of University Hospitals of Cleveland, January 16, 1982.
85. Presentation: "Nystagmus." Faculty, Special Course in Neuro-ophthalmology, American Academy of Neurology, Washington, D.C., April 26, 1982.
86. Presentations: "Eye Movements," "Pursuit and Optokinetic Nystagmus." Faculty, Clinical Evaluation of the Vestibular System, Course at University of Pittsburgh, Pittsburgh, Pennsylvania, August 24 - August 26, 1982.
87. Presentation: "Clinical Comments on Physiology of the Vestibular and Oculomotor Systems." Invited lecturer, Symposium on Vertigo, Royal College of Physicians and Surgeons of Canada in Association with the Canadian Congress of Neurological Sciences and the Canadian Ophthalmology Society, Quebec, Canada, September 16, 1982.
88. "Question the Experts." Invited lecturer, Clinical Neurologic Update, New Orleans, Louisiana, October 16, 1982.
89. Presentation: "Diagnosis and Treatment of Headaches." Guest lecturer, Case Western Reserve University Regional Program in Continuing Medical Education, Barberton Citizens Hospital, Barberton, Ohio, December 11, 1982.
90. Presentation: "Neuro-Ophthalmology of Migraine." Faculty, Special Course in Neuro-ophthalmology, American Academy of Neurology, San Diego, California, April 24, 1983.
91. Presentation: "Medical Treatment of Vertigo." Faculty, Special Course in Neuro-Otology, American Academy of Neurology, San Diego, California, April 26, 1983.
92. Presentation: "Diagnosis and Treatment of Dizziness." Guest lecturer, Case Western Reserve University Regional Program in Continuing Medical Education, Suburban Hospital, Cleveland, Ohio, May 1, 1983.
93. Presentation: "Diagnosis and Treatment of Vertigo." Invited lecturer, Case Western Reserve University, "MEDICINE TODAY" Cleveland, Ohio, May 5, 1983.

LECTURES, SPEECHES, EXHIBITS, FILMS: (Continued)

94. "Saccadic Variability: Contributions from Fatigue, Inattention and Amplitude." Spring Meeting, Association for Research in Vision and Ophthalmology, Sarasota, Florida, May 1983. (Presented by Dr. Abel)
95. Presentations: "Eye Movements," "Pursuit and Optokinetic Nystagmus." Faculty, The Vestibular System: Clinical Testing, Diagnosis and Treatment, Course at University of Pittsburgh, August 18-20, 1983.
96. Presentation: "The Neuro-ophthalmology of Migraine," "Diagnosis and Medical Management of Vertigo." The Professional Information Library - The Video Journal of Clinical Neurology, March 15, 1984.
97. Presentation: "Clinical Electronystagmography." Lecturer Evaluation of the Dizzy Patient 1984 Update, Cleveland, Ohio, March 16-17, 1984.
98. Presentation: "RUNREF: Programs for Scientific Manuscript and Citation Retrieval." American Academy of Neurologists, Boston, Massachusetts, April 7-13, 1984.
99. Presentation: "Monocular Elevation Paresis Caused by an Ipsilateral Lesion." Ford CS, Schwartz GM, Weaver RG, and Troost BT, American Academy of Neurology, Boston, Massachusetts, April 10, 1984. (Presented by Dr. Ford)
97. 100. Presentation: "TIA and Stroke," "Dizziness and Vertigo." Twelfth Annual Beach Workshop presented by The Divisions of Continuing Education of Bowman Gray School of Medicine, University of North Carolina School of Medicine, MUSC, and East Carolina School of Medicine, July 30-August 3, 1984.
101. "Eye Movements and Nystagmus." Visiting Professor, Duke University Medical Center, January 15-16, 1985.
102. "Neuro-ophthalmologic Aspects of Migraine." American Academy of Neurology, Dallas, Texas, April 29, 1985.
103. "Nystagmus." American Academy of Neurology, Dallas, Texas, May 4, 1985.
104. Neuro-ophthalmology Dinner Course, Chairman, American Academy of Neurology, Dallas, Texas, May 2, 1985.
105. "Central Neurologic Etiology of Vertigo and Dizziness." Faculty, The Vestibular System, Course at University of Pittsburgh, August 8-10, 1985.
106. "Neuro-ophthalmic Manifestations of Aneurysms - AV Communications and Related Vascular Malformations." Visiting Professor, Washington National Eye Center, December 7, 1985.

LECTURES, SPEECHES, EXHIBITS, FILMS: (Continued)

107. "Eye Movements." Course Chairman, Special course, American Academy of Neurology, New Orleans, Louisiana, April 1986.
108. Presentation: "Eye Movements," "Optokinetic Nystagmus and Smooth Pursuit," "The Central Neurologic Causes of Vertigo." Faculty, The Vestibular System: Diagnosis and Therapy, Course at the University of Pittsburg, August 1-2, 1986.
109. Presentation: "Vertigo: It's Causes and Treatment." Continuing medical education presentation at Catawba Memorial Hospital, Hickory, North Carolina, September 2, 1986.
110. "Neuroanatomy/Physiology of the Ocular Motor System," "Eye Movement Abnormalities and Central Vestibular Lesions." Vestibular and Ocular Motor Assessment Course, Boys Town National Institute for Communicative Disorders in Children, Omaha, Nebraska, May 14-17, 1987.
111. "The Neuro-ophthalmologic Manifestations of Aneurysms and Arteriovenous Communications." Visiting Professor, University of Massachusetts, Worcester, Massachusetts, July 13-14, 1987.
112. Vestibular Symposium, The University of Texas at Dallas Callier Center for Communication Disorders, Dallas, Texas, July 24-25, 1987.
113. "Differential Diagnosis of Dizziness and Vertigo," "The Principles and Methods of Treatment." Perspectives on Vestibular Function and Vertigo Course, University of Minnesota, Minneapolis, Minnesota, October 15-16, 1987.
114. "The Neuro-ophthalmology of Migraine," "Eye Movements and Nystagmus." Visiting Professor, University of Alabama, Birmingham, Alabama, October 30-31, 1987.
115. Presentation: "Evaluation and Management of Balance Disorders." Postgraduate oculomotor course, The Cleveland Clinic, Cleveland, Ohio, February 26-27, 1988.
116. Presentation: "Managing Spasticity in Spinal Cord Injured Patients." Course on New Developments in the Management of Cerebral Spasticity, Temple University School of Medicine, Philadelphia, Pennsylvania, March 11-12, 1988.
117. Discussion of Paper: "Cerebral Localization of Smooth Pursuit Asymmetry in Humans." American Academy of Neurology Annual Meeting, Cincinnati, Ohio, April 20, 1988.
118. Presentation: "The Neuro-ophthalmology of Migraine." Faculty, Course in Neuro-ophthalmology, American Academy of Neurology, Cincinnati, Ohio, April 20, 1988.
119. Eye Movement Disorders" and "Dizziness and Vertigo." Vestibular Symposium, The University of Texas at Dallas Callier Center for Communication Disorders, Dallas, Texas, June 18, 1988.

LECTURES, SPEECHES, EXHIBITS, FILMS: (Continued)

120. "Neuro-Ophthalmology of Migraine" and "Neuro-Ophthalmology of Aneurysms, Arteriovenous Malformations (AVM's) and Carotid Cavernous Fistulas." Visiting Professor, Vanderbilt University, Nashville, Tennessee, September 9, 1988.
121. "Signs and Symptoms of Stroke: Syndromes of the Brain Stem." Symposium on "Vascular Brain Stem Diseases" sponsored by the Bertelsmann Foundation and Department of Neurology, University of Munster, Gutersloh, West Germany, September 15-16, 1988.
122. Presentation: "MS Trends and Treatment." National Multiple Sclerosis Society, Central North Carolina Chapter, October 11, 1988.
123. Presentation: "The Dizzy Patient." AHEC Lecture Series, Lexington Memorial Hospital, Lexington, North Carolina, October 24, 1988.
124. Presentation: "Migraine: Neuro-ophthalmologic Aspects." The Moses H. Cone Memorial Hospital, Greensboro, North Carolina, January 6, 1989.
125. Presentation: "Neuro-Ophthalmology Update." Twenty Second Annual Recent Advances in Neurology, presented by the University of California School of Medicine, San Francisco, California, February 15, 1989.
126. Presentation: "Neuro-Otology Update." Twenty Second Annual Recent Advances in Neurology, presented by the University of California School of Medicine, San Francisco, California, February 17, 1989.
127. Presentation: "Reye's Syndrome." Forty First Annual Scientific Assembly of the North Carolina Academy of Family Physicians, Charlotte, North Carolina, April 6, 1989.
128. Presentation: "Guillain-Barre." Forty First Annual Scientific Assembly of the North Carolina Academy of Family Physicians, Charlotte, North Carolina, April 6, 1989.
129. Presentation: "Multiple Sclerosis." Forty First Annual Scientific Assembly of the North Carolina Academy of Family Physicians, Charlotte, North Carolina, April 6, 1989.
130. Presentation: "Amyotrophic Lateral Sclerosis." Forty First Annual Scientific Assembly of the North Carolina Academy of Family Physicians, Charlotte, North Carolina, April 6, 1989.
131. Presentation: "Hope Chest Award." Dinner of Champions, Multiple Sclerosis Society, Winston-Salem, North Carolina, May 25, 1989.
132. Presentation: "The Dizzy Patient." Dallas-Fort Worth Audiological Association's workshop on the "Audiological and Vestibular Assessment of the Dizzy Patient." Texas Christian University, Fort Worth Texas, July 14-15, 1989.

LECTURES, SPEECHES, EXHIBITS, FILMS: (Continued)

133. Presentation: "Neuro-ophthalmology of Orbital Tumors." 39th Annual Meeting of the Congress of Neurological Surgeons, Atlanta, Georgia, October 31, 1989.
134. Presentation: "Optic Nerve and Chiasmal Gliomas." 39th Annual Meeting of the Congress of Neurological Surgeons, Atlanta, Georgia, November 1, 1989.
135. Presentation: "The Dizzy Patient." Chattanooga-Hamilton County Speech and Hearing Center Vestibular Workshop, Chattanooga, Tennessee, February 17, 1990.
136. Presentation: "Eye Movements in Coma." Ocular Motor System Symposium. Brussels, Belgium, June 22, 1990.
137. Presentation: "Dizziness in the Elderly Patient." Dallas-Fort Worth Audiological Association's workshop on age-related changes and disorders in the nervous system. Texas Christian University, Fort Worth, Texas, July 13-14, 1990.
138. Presentation: "Neuro-ophthalmology of the Pupil." Educational Program of the North Carolina Neurological Society, Pinehurst, North Carolina, November 10, 1990.
139. Presentation: "Neuro-ophthalmology of the Pupil." Visiting Professor, University of Texas Health Science Center, Houston, Texas, January 25, 1991.
140. Presentation: "Nystagmus." Faculty, Course in Neuro-ophthalmology, American Academy of Neurology, Boston, Massachusetts, April 22, 1991. LECTURES, SPEECHES, EXHIBITS, FILMS: (Continued)
141. Presentation: "Training and Certification in Neurosonology." Special Symposium on Education as Part of Ultrasound Meeting, Postgraduate Course Neuroimaging 91, Salzburg, Austria, August 11, 1991.
142. Presentation: "Differential Diagnosis of Dizziness and Hearing Loss." Invited Faculty. Neurology Update 1992, Post-graduate course of Vanderbilt University Medical Center, Hilton Head, Georgia, July 16, 1992.
143. Presentation: "Medical Therapy of Vertigo." Invited Faculty. Neurology Update 1992, Post-graduate course of Vanderbilt University Medical Center, Hilton Head, Georgia, July 16, 1992.
144. Presentation: "Nystagmus." Invited Faculty. Neurology Update 1992, Post-graduate course of Vanderbilt University Medical Center, Hilton Head, Georgia, July 16, 1992.
145. Presentation: "Neuro-ophthalmology of the Pupil." Invited Faculty. Neurology Update 1992, Post-graduate course of Vanderbilt University Medical Center, Hilton Head, Georgia, July 16, 1992.

LECTURES, SPEECHES, EXHIBITS, FILMS: (Continued)

146. "Cardiac Surgery in Cerebrovascular Complications: Design and Implementation of Program Project." Senior Stroke Society Meeting. Graylyn Conference Center, Winston-Salem, North Carolina, September 15, 1992.
147. Presentation: "Neuro-ophthalmologic Complications of Cardiac Surgery." Second International Conference on the Brain in Cardiac Surgery, Key West, Florida, September 26, 1992.
148. Presentation: "Emboli Detection with Doppler Ultrasound." North American Neuro-ophthalmology Society Annual Meeting, Big Sky, Montana, February 8, 1993.
149. Presentation: "Evaluation and Treatment of the Headache Patient." Continuing Medical Education Program, Neurology Update for the Non-Neurologist. The Bowman Gray School of Medicine of Wake Forest University, March 6, 1993.
150. Presentation: "Dizziness and Vertigo." Continuing Medical Education Program. Holmes Regional Medical Center, Melbourne, Florida, March 11, 1994.
151. Presentation: "Migraine Headaches." Council of Primary Care Nurse Practitioner's 1994 Spring Symposium, Charlotte, North Carolina, April 29, 1994.
152. Presentation: "Treatment Options for the Headache Patient." AHEC Lecture Series, Wilkes Regional Medical Center, Wilkesboro, North Carolina, May 22, 1994.
153. Presentation: "Headache, Therapeutic Options and Trials, Incidence and Mechanism." Cerenex Pharmaceuticals Medical Education Program. Greenville, North Carolina, June 2, 1994
154. Presentation: "Dizziness and Vertigo." Guest Lecturer. East Carolina University, Greenville, North Carolina, June 3, 1994.
155. Presentation: Site Visitor to review Department of Neurology, University of Alabama, Birmingham, Alabama, June 21, 1994.
156. Presentation: "Cardiopulmonary Bypass and the Brain." Visiting Professor. University of Rochester, Rochester, New York, June 23, 1994.
157. Presentation: "Treatment Options for the Headache Patient." AHEC Lecture Series, The Bowman Gray School of Medicine of Wake Forest University, Winston-Salem, North Carolina, October 16, 1994.
158. Presentation: "Evaluation and Treatment of Neuro-ophthalmological Manifestations of Multiple Sclerosis." Clinical Management of MS Using Advanced Methodology Symposium. Winston-Salem, North Carolina, November 4, 1994.

LECTURES, SPEECHES, EXHIBITS, FILMS: (Continued)

159. Presentation: "The Dizzy Patient." Council of Primary Care Nurse Practitioner's 1995 Spring Symposium. Raleigh, North Carolina, April 28, 1995.
160. Ethics/Health Care Reform Panel. Unscrambling the Brain Conference. The Bowman Gray School of Medicine of Wake Forest University, Winston-Salem, North Carolina, April 4, 1995.
161. Presentation: "Management of the Dizzy Patient." Continuing Medical Education Program. Veteran's Administration Medical Center, Salisbury, North Carolina, March 1, 1995.
162. Presentation: "The Brain and The Heart." Stroke Symposium, The NeuroScience Center at Tallahassee Memorial, Tallahassee, Florida, September 7, 1995
163. Presentation: "Evaluation of the Dizzy Patient." AHEC Lecture Series, Rowan Memorial Hospital, Salisbury, North Carolina, October 19, 1995.
164. Presentation: "Supranuclear Eye Movements." Wake Forest University Eye Center Ophthalmology Conference, The Bowman Gray School of Medicine of Wake Forest University, Winston-Salem, North Carolina, September 13, 1995.
165. Presentation: "Dizziness and Vertigo." The Dallas Association of Speech Pathologists and Audiologists Vestibular Conference. Dallas, Texas, February 2-3, 1996.
166. Presentation: "Update on Mitochondrial Disorders." Neurology Grand Rounds. Continuing Medical Education Program. The Bowman Gray School of Medicine of Wake forest University, Winston-Salem, North Carolina, November 5, 1996.
167. Presentation: "Management of Headache." Neurology Update for the Primary Care Provider. Continuing Medical Education Conference. Sponsored by The Bowman Gray School of Medicine of Wake Forest University. The Hawthorne Inn and Conference Center, Winston-Salem, North Carolina, March 14, 1997.
168. Presentation: "Disorders of Vertical Gaze." Neurology Grand Rounds. Continuing Medical Education Program. The Bowman Gray School of Medicine of Wake Forest University, Winston-Salem, North Carolina, April 29, 1997.
169. Presentation: "Bad Vertigo." Neurology Grand Rounds. Continuing Medical Education Program. The Bowman Gray School of Medicine of Wake Forest University, Winston-Salem, North Carolina, September 23, 1997.
170. Presentation: "Nystagmus and The Related Ocular Oscillations." Neurology Grand Rounds. Continuing Medical Education Program. The Bowman Gray School of Medicine of Wake Forest University, Winston-Salem, North Carolina, January 27, 1998.

LECTURES, SPEECHES, EXHIBITS, FILMS: (Continued)

171. Presentation: "Head Pain That Is Not Migraine." Neurology Grand Rounds. Continuing Medical Education Program. Wake Forest University School of Medicine, Winston-Salem, North Carolina, April 21, 1998.
172. Presentation: "Headache and Migraine." AHEC Lecture Series, Morehead Memorial Hospital, Eden, North Carolina, August 5, 1998.
173. Presentation: "Neuro-ophthalmology of Migraine." 15th Western Intermountain Neurological Organization Meeting, University Park Hotel, Salt Lake City, Utah, October 2, 1998.
174. Presentation: "Bad Vertigo." 15th Western Intermountain Neurological Organization Meeting, University Park Hotel, Salt Lake City, Utah, October 3, 1998.
175. Presentation: "Migraine '98." Gaston Memorial Hospital Continuing Medical Education Series. Sponsored by Glaxo Wellcome Pharmaceutical Company. Gaston Memorial Hospital, Gastonia, North Carolina, October 6, 1998.
176. Presentation: "Funduscopy Examination." Neurology Grand Rounds. Continuing Medical Education Program. Wake Forest University School of Medicine, Winston-Salem, North Carolina, October 13, 1998.
177. Presentation: "Management of Migraine Headaches." Neurology Update for the Primary Care Provider. Continuing Medical Education Conference. Sponsored by Wake Forest University School of Medicine. The Hawthorne Inn and Conference Center, Winston-Salem, North Carolina, March 26, 1999.
178. Presentation: "Scientific Basis of Migraine: An Update." Merck & Co. 1999 Regional Migraine Consultants Meeting, Marriott Harbor Beach Resort, Ft. Lauderdale, Florida, June 5, 1999.
179. Presentation: "Migraines." AHEC Lecture Series, Watauga County Medical Society, Quality Inn, Boone, North Carolina, September 20, 1999.
180. Presentation: "Vestibular Testing." Neurology Grand Rounds. Continuing Medical Education Program. Wake Forest University School of Medicine, Winston-Salem, North Carolina, September 21, 1999.
181. Presentation: "Current Treatment of Migraine." Merck & Co. Customer Focus Group Meeting. Hyatt Regency Hilton Head Resort at Palmetto Dunes, Hilton Head, South Carolina, September 25, 1999.
182. Presentation: "Migraine Headaches." Best Health 55 Lecture Series. Wake Forest University School of Medicine, Winston-Salem, North Carolina, September 28, 1999.
183. Presentation: "Dizziness & Vertigo." Medicine '99 Symposium. Memorial Hospital of Martinsville & Henry County, Martinsville, Virginia, October 26, 1999.

LECTURES, SPEECHES, EXHIBITS, FILMS: (Continued)

184. Presentation: "Dizziness and Vertigo." Best Health 55 Lecture Series. Wake Forest University School of Medicine, Winston-Salem, North Carolina, November 16, 1999.
185. Presentation: "Scientific Basis of Migraine." Merck & Co. Pharmaceutical Program. Grove Park Inn, Asheville, North Carolina, December 17, 1999.
186. Presentation: "E-scape Migraine." Glaxo Wellcome Speaker's Bureau Program. Elizabeth City, North Carolina, February 3, 2000.
187. Presentation: "Dizziness and Vertigo." Best Health 55 Lecture Series. Wake Forest University School of Medicine, Winston-Salem, North Carolina, February 10, 2000.
188. Presentation: "Bad Vertigo." Neurology Update for the Primary Care Provider. Continuing Medical Education Conference. Sponsored by Wake Forest University School of Medicine. The Hawthorne Inn and Conference Center, Winston-Salem, North Carolina, March 31, 2000.
189. Presentation: "Pitstop Pupil." Family Medicine Interest Group Clinical Pearls. Wake Forest University School of Medicine, Winston-Salem, North Carolina, April 28, 2000.
190. Presentation: "Neurology Update Including Headache, Dizziness and Vertigo, TIA and Stroke, and Presenting Symptoms of MS." Current Issues In Emergency Medicine, Family Medicine and Internal Medicine With A Focus On Improving Clinical Processes-Medical Education Program. Carolinas Healthcare System, Renaissance Hotel, Charlotte, North Carolina, May 17, 2000.
191. Presentation: "Migraines." Triad Chapter Association of Neuroscience Nurses. Winston-Salem, North Carolina, June 8, 2000.
192. Presentation: "Migraine Headaches." Best Health 55 Lecture Series. Wake Forest University School of Medicine, Winston-Salem, North Carolina, July 11, 2000.
193. Presentation: "Headaches." Department of Psychiatry and Behavioral Medicine Grand Rounds. Continuing Medical Education Program. Wake Forest University School of Medicine. Winston-Salem, North Carolina, September 15, 2000.
194. Presentation: "New Therapies in Migraine." Astra Zeneca Speaker's Program-NIH Consensus Panel Discussions. Chapel Hill, North Carolina, September 19, 2000.
195. Presentation: "Migraines." Best Health 55 Lecture Series. Wake Forest University School of Medicine, Winston-Salem, North Carolina, September 25, 2000.

LECTURES, SPEECHES, EXHIBITS, FILMS: (Continued)

196. Presentation: "Ophthalmologic Exam and Papilledema." Department of Emergency Medicine Grand Rounds. Continuing Medical Education Program. Wake Forest University School of Medicine. Winston-Salem, North Carolina, October 12, 2000.
197. Presentation: "Modern Therapy for Headaches." Department of Internal Medicine Grand Rounds. Continuing Medical Education Program. Wake Forest University School of Medicine. Winston-Salem, North Carolina, October 19, 2000.
198. Presentation: "Modern Therapy for Headaches." Vanderbilt University Medical Center. Continuing Medical Education Program. Nashville, Tennessee, October 26, 2000.
199. Presentation: "Botulinum Toxin in the Management of Headache." Department of Neurology Grand Rounds. Vanderbilt University Medical Center, Nashville, Tennessee, October 27, 2000.
200. Presentation: "Audiology for Neurologists." Department of Neurology Grand Rounds. Continuing Medical Education Program. Wake Forest University School of Medicine, October 31, 2000.
201. Presentation: "Vertigo." Best Health 55 Lecture Series. Wake Forest University School of Medicine. Winston-Salem, North Carolina, November 29, 2000.
202. Presentation: "Evaluation of the Dizzy Patient." AHEC Lecture Series. Rowan Medical Center Grand Rounds. Salisbury, North Carolina, January 18, 2001.
203. Presentation: "Vertigo and Dizziness." Physician's Assistant Program. Wake Forest University School of Medicine. Winston-Salem, North Carolina, January 31, 2001.
204. Presentation: "Modern Approach to Balance Disorders." Vestibular Symposium sponsored by Med-El Corporation. University of Texas-Dallas. Dallas, Texas, February 10, 2001.
205. Presentation: "Botulinum Toxin." Neuroscience Tutorial. Wake Forest University School of Medicine. Winston-Salem, North Carolina, March 9, 2001.
206. Presentation: "Dizziness." AHEC Lecture Series. Watauga Medical Society. Boone, North Carolina, March 13, 2001.
207. Presentation: "Management of Vascular Headache." Neurology Update for the Primary Care Provider. Continuing Medical Education Conference. Sponsored by Wake Forest University School of Medicine. The Hawthorne Inn and Conference Center, Winston-Salem, North Carolina, March 30, 2001.
208. Presentation: "How to Avoid and Treat Headaches." AHEC Lecture Series. Rowan Regional Medical Center Grand Rounds. Salisbury, North Carolina, April 12, 2001.
209. Presentation: "Dizziness & Vertigo." Best Health 55 Lecture Series. Wake Forest University School of Medicine. Winston-Salem, North Carolina, May 2, 2001.

LECTURES, SPEECHES, EXHIBITS, FILMS: (Continued)

210. Presentation: "Migraines." Glaxo Wellcome Speaker's Program. Winston-Salem, North Carolina, May 3, 2001
211. Presentation: "Dizziness & Vertigo." Department of Family and Community Medicine Grand Rounds. Continuing Medical Education Program. Wake Forest University School of Medicine. Winston-Salem, North Carolina, May 29, 2001.
212. Presentation: "Modern Therapy of Migraine – 2001." Allergan, Inc. Speaker's Bureau Program. San Diego, California, May 23, 2001.
213. Presentation: "Modern Therapy of Migraine – 2001." Allergan, Inc. Speaker's Bureau Program. San Francisco, California, May 24, 2001.

LECTURES, SPEECHES, EXHIBITS, FILMS: (Continued)

214. Presentation: "Dizziness & Vertigo." Department of Family and Community Medicine Grand Rounds. Continuing Medical Education Program. Wake Forest University School of Medicine. Winston-Salem, North Carolina, May 29, 2001.
215. Presentation: "Evaluation of Dizziness & Vertigo." Department of Emergency Medicine Grand Rounds. Continuing Medical Education Program. Wake Forest University School of Medicine. Winston-Salem, North Carolina, August 30, 2001.
216. Presentation: "Dizziness & Weakness." AHEC Lecture Series. Wilkes Regional Medical Center. North Wilkesboro, North Carolina, September 4, 2001.
217. Presentation: "Evaluation of the Dizzy Patient." Department of Internal Medicine Grand Rounds. Continuing Medical Education Program. Wake Forest University School of Medicine. Winston-Salem, North Carolina, September 13, 2001.
218. Presentation: "New Treatments in the Management of Headache." UCB Pharma, Inc. Sponsored Dinner Program. Bethesda, Maryland, October 18, 2001.
219. Presentation: "Migraine Update." AstraZeneca Speaker Bureau Program. Winston-Salem, North Carolina, November 1, 2001.
220. Presentation: "Botox Therapy for Migraine." Best Health 55 Lecture Series. Wake Forest University School of Medicine. Winston-Salem, North Carolina, 2001.
221. Presentation: "New Treatments in the Management of Headache." UCB Pharma, Inc. Sponsored Dinner Program. Pittsburgh, Pennsylvania, November 19, 2001.
222. Presentation: "Botulinum Toxin in the Treatment of Headache." Allergan Headache Clinical Exchange Program. Charlotte, North Carolina, January 8, 2002.

LECTURES, SPEECHES, EXHIBITS, FILMS: (Continued)

223. Presentation: "Migraine and Other Headaches." Best Health 55 Lecture Series. Wake Forest University School of Medicine. Winston-Salem, North Carolina, January 22, 2002.
224. Presentation: "Botulinum Toxin in the Treatment of Headache." Allergan Headache Clinical Exchange Program. Raleigh, North Carolina, January 22, 2002.
- Presentation: "Dizziness and Vertigo." Physician's Assistant Program. Wake Forest University School of Medicine. Winston-Salem, North Carolina, January 29, 2002.
225. Presentation: "Treatment of Epilepsy Including New AEDs." Ortho-McNeil Pharmaceutical Sponsored Program. Winston-Salem, North Carolina, February 5, 2002.
226. Presentation: "Botox for Headaches." University of Miami Medical Center Continuing Education Series. Miami Beach, Florida, February 14-15, 2002.
227. Presentation: "Dizziness and Vertigo." Best Health 55 Lecture Series. Wake Forest University School of Medicine. Winston-Salem, North Carolina, February 26, 2002.
229. Presentation: "Headache Overview.", "Headache and Migraines with Botulinum.", "Injection for Headache." Advances in the Use of Botulinum Toxin Type A for Pain Management Program sponsored by the University of South Florida Office of Continuing Professional Education. Dallas, Texas, March 2-3, 2002.
230. Presentation: "Differential Diagnosis of Pupillary Abnormalities." Neurology Update for the Primary Care Provider. Continuing Medical Education Conference. Sponsored by Wake Forest University School of Medicine. The Hawthorne Inn and Conference Center, Winston-Salem, North Carolina, March 15, 2001.
231. Presentation: "Advances in Epilepsy Diagnosis & Treatment." UCB Pharma, Inc. Speaker's Bureau Program. Baltimore, Maryland and Annapolis, Maryland March 20-21, 2002.
232. Presentation: "Botulinum Toxin Type A in the Treatment of Migraine Headaches." Allergan Headache Clinical Exchange Program. Baltimore, Maryland, March 25, 2002.
233. Presentation: "Headache Update." AstraZeneca Speaker's Program. Winston-Salem, North Carolina, April 3, 2002.
234. Presentation: "Overview of Cervical Dystonia." Allergan Headache Clinical Exchange Program. Colorado Neurological Institute, Denver, Colorado, April 10, 2002.
235. Presentation: "Overview of Cervical Dystonia and Neck Muscle Spasm." Allergan Headache Clinical Exchange Program. Kaiser Permanente, Denver, Colorado, April 11, 2002.

LECTURES, SPEECHES, EXHIBITS, FILMS: (Continued)

236. Presentation: "Overview on Keppra In Headache." UCB Pharma, Inc. Speaker's Bureau Program. Hickory, North Carolina, April 24, 2002.
237. Presentation: "Current Trends in Epilepsy and Headache Management." Ortho-McNeil Pharmaceutical Sponsored Program. Greenville, North Carolina, May 1, 2002.
238. Presentation: "Overview on Keppra In Headache." UCB Pharma, Inc. Speaker's Bureau Program. Winston-Salem, North Carolina, May 7, 2002.
239. Presentation: "Botox for the Treatment of Migraine." Allergan Headache Clinical Exchange Program. Atlanta, Georgia, May 9, 2002.
240. Presentation: "Overview of Keppra in Headache." UCB Pharma, Inc. Product Representative Program. Winston-Salem, North Carolina, May 23, 2002.
241. Presentation: "Botulinum Toxin Type A in the Treatment of Migraine Headache." Allergan Continuing Medical Education Program. Philadelphia, Pennsylvania, May 31, 2001.
242. Presentation: "Botulinum Toxin Type A in the Treatment of Migraine Headache." Allergan Headache Clinical Exchange Program. Nashville, Tennessee, June 12, 2002.
243. Presentation: "Headache Update." AstraZeneca Speaker's Program. Tupelo, Mississippi, June 13, 2002.
244. Presentation: "Migraine and Other Headaches." Best Health 55 Lecture Series. Wake Forest University School of Medicine, Winston-Salem, North Carolina, June 18, 2002.
245. Presentation: "Overview of Headaches." UCB Pharma, Inc. Speaker's Bureau Program. Neurology Associates, Little Rock, Arkansas, June 27, 2002.
246. Presentation: "Overview of Headaches." University of Tennessee Medical Center Continuing Medical Education Program. Memphis, Tennessee, June 28, 2002.
247. Presentation: "Auras of Migraine." Vanderbilt University Continuing Medical Education Program. Hilton Head, South Carolina, July 16, 2002.
248. Presentation: "Acute Migraine Therapy." Vanderbilt University Continuing Medical Education Program. Hilton Head, South Carolina, July 16, 2002.
249. Presentation: "Botulinum Toxin for Chronic Daily Headache." Vanderbilt University Continuing Medical Education Program. Hilton Head, South Carolina, July 16, 2002.
250. Presentation: "Evaluation of the Dizzy Patient." Vanderbilt University Continuing Medical Education Program. Hilton Head, South Carolina, July 17, 2002.

LECTURES, SPEECHES, EXHIBITS, FILMS: (Continued)

251. Presentation: "The "Pit-Stop" Pupil" and other Iris Disorders." Vanderbilt University Continuing Medical Education Program. Hilton Head, South Carolina, July 17, 2002.
252. Presentation: "Treating Dizziness." Vanderbilt University Continuing Medical Education Program. Hilton Head, South Carolina, July 17, 2002.
253. Presentation: "Headache Update." AstraZeneca Continuing Medical Education Program. Myrtle Beach, South Carolina, July 20, 2002.
254. Presentation: "Overview of Keppra in Headache." UCB Pharma, Inc. Product Representative Program. Asheville, North Carolina, July 30, 2002.
255. Presentation: "Keppra in the Management of Headache." UCB Pharma Inc. Product Representative Program. High Point, North Carolina, August 2, 2002.
256. Presentation: "Keppra and Frova in the Management of Headache." UCB Pharma Inc. Product Representative Program. Atlanta, Georgia, September 17, 2002.
257. Presentation: "Intractable Headache." UCB Pharma Keppra Regional Advisory Board Meeting. Quebec, Canada, September 27-29, 2002.
258. Presentation: "Keppra in the Management of Headache." UCB Pharma Product Representative Program. Orlando, Florida, October 1-3, 2002.
259. Presentation: "Modern Therapy of Migraine Headache." 23rd Annual Mountain Medical Meeting. Continuing Medical Education Conference. Sponsored by Wake Forest University School of Medicine. Grove Park Inn, Asheville, North Carolina, October 26, 2002.
260. Presentation: "Neuro-Ophthalmology of the Pupil." 23rd Annual Mountain Medical Meeting. Continuing Medical Education Conference. Sponsored by Wake Forest University School of Medicine. Grove Park Inn, Asheville, North Carolina, October 26, 2002.
261. Moderator: Allergan Physician Clinical Exchange Program. Philadelphia, Pennsylvania, October 29, 2002.
262. Presentation: "Intractable Headache." UCB Pharma Keppra Regional Advisory Board Meeting. Orlando, Florida, November 1-3, 2002.
263. Presentation: "Migraine and Other Headaches." Ophthalmology Grand Rounds. Continuing Medical Education Program. Wake Forest University School of Medicine, Winston-Salem, North Carolina, November 13, 2002.
264. Presentation: "Frova and the Management of Migraine." UCB Pharma/Elan Pharmaceutical Speaker Program. Greensboro, North Carolina, November 14, 2002.

LECTURES, SPEECHES, EXHIBITS, FILMS: (Continued)

265. Presentation: "Intractable Headache." UCB Pharma Keppra Regional Advisory Board Meeting. Miami, Florida, November 15-17, 2002.
266. Presentation: "Modern Treatment of Headache." Best Health 55 Lecture Series. Wake Forest University School of Medicine, Winston-Salem, North Carolina, November 19, 2002.
267. Presentation: "The Use of Antiepileptic Drugs In The Prevention of Migraine." Ortho-McNeil Sponsored Speakers Program. Charlotte, North Carolina, November 19, 2002.
268. Presentation: "Botox in the Management of Headache." Given to Executives of Blue Cross/Blue Shield of North Carolina. Chapel Hill, North Carolina, December 9, 2002.
269. Presentation: "The Impact of Headache." Pfizer Pharmaceuticals Preceptorship Program. Wake Forest University School of Medicine, Winston-Salem, North Carolina, December 17, 2002.
270. Presentation: "Headache Update." Roundtable Presentation Sponsored by AstraZeneca Pharmaceuticals. Hickory, North Carolina, December 18, 2002.
271. Presentation: "Advances in the Treatment of Headache and Migraine with Botulinum Toxin Type A." West Virginia University School of Medicine Continuing Medical Education Program. Morgantown, West Virginia, February 21, 2003.
272. Presentation: "Treatment of Headaches." UCB Pharma Speaker Program. Nashville, Tennessee, February 25, 2003.)
273. Presentation: "Treatment of Headaches." UCB Pharma/Elan Pharmaceuticals Speaker Program. Atlanta, Georgia, February 27, 2003.
274. Presentation: "Treatment of Headaches." UCB Pharma/Elan Pharmaceuticals Speaker Program. Atlanta, Georgia, February 28, 2003.
275. Presentation: "Advances in the Treatment of Headache & Migraine with Botulinum Toxin Type A." Allergan, Inc. Speaker Program. Raleigh, North Carolina, March 11, 2003.
276. Presentation: "Headache Overview." Advances in the Use of Botulinum Toxin Type A for Pain Management
CME Program Sponsored by the University of South Florida. Dallas, Texas, March 15, 2003.
277. Presentation: "Advances in the Treatment of Headache and Migraine with Botulinum Toxin Type A." Advances in the Use of Botulinum Toxin Type A for Pain Management CME Program Sponsored by the University of South Florida. Dallas, Texas, March 15, 2003.
278. Presentation: "Advances in the Treatment of Headache." Pfizer, Inc. Speaker Program. Biltmore Medical Associates. Asheville, North Carolina, March 19, 2003.

LECTURES, SPEECHES, EXHIBITS, FILMS: (Continued)

279. Presentation: "Advances in the Treatment of Headache." Pfizer, Inc. Speaker Program. Mountain Neurology. Asheville, North Carolina, March 19, 2003.
280. Presentation: "Advances in the Treatment of Headache." Pfizer, Inc. Speaker Program. Family Health Care. Asheville, North Carolina, March 19, 2003.
281. Presentation: "Advances in the Treatment of Headache." Pfizer, Inc. Speaker Program. Biltmore Estate. Asheville, North Carolina, March 20, 2003.
282. Presentation: "Advances in the Treatment of Headache." Pfizer, Inc. Speaker Program. Hendersonville Family Practice. Hendersonville, North Carolina, March 20, 2003.
283. Presentation: "Advances in the Treatment of Headache." Pfizer, Inc. Speaker Program. Health Resources. Asheville, North Carolina, March 21, 2003.
284. Presentation: "Botulinum Neurotoxins in the Management of Headache: Challenging the Current Standard of Care." Neurotoxin Institute (NTI) Continuing Medical Education Program, "New Frontiers in the Management of Chronic Muscular Pain and Headache Disorders: A focus on Neurotoxin Therapy." Chicago, Illinois, March 22, 2003.
285. Presentation: "Aura of Migraine." Department of Neurology Grand Rounds. Continuing Medical Education Program. Wake Forest University School of Medicine. Winston-Salem, North Carolina, March 25, 2003.
286. Presentation: "Modern Therapy of Headache." Best Health 55 Lecture Series. Wake Forest University School of Medicine, Winston-Salem, North Carolina, April 8, 2003.
287. Presentation: "Treatment of Headaches." UCB Pharma/Elan Pharmaceuticals Speaker Program. Neurology Associates of Greenville, P.A. Greenville, South Carolina, April 10, 2003.
288. Presentation: "Treatment of Headaches." UCB Pharma/Elan Pharmaceuticals Speaker Program. Columbia, South Carolina, April 15, 2003.
289. Presentation: "Migraine: New Diagnosis and Treatment Strategies." Pfizer, Inc. Speaker Program. Roundtable Presentation. Carolina Neurology. Charlotte, North Carolina, May 7, 2003.
290. Presentation: "Migraine: New Diagnosis and Treatment Strategies." Pfizer, Inc. Speaker Program. Charlotte, North Carolina, May 7, 2003.
291. Presentation: "Migraine: New Diagnosis and Treatment Strategies." Pfizer, Inc. Speaker Program. Hershey, Pennsylvania, May 9, 2003.

LECTURES, SPEECHES, EXHIBITS, FILMS: (Continued)

292. Presentation: "Migraine: New Diagnosis and Treatment Strategies." Department of Neurology Grand Rounds. Hershey Medical Center – Penn State College of Medicine Continuing Education Program. Hershey, Pennsylvania, May 10, 2003.
293. Presentation: "New Concepts in the Diagnosis and Treatment of Migraine." Pfizer, Inc. Speaker Program. Statesville, North Carolina, May 13, 2003.
294. Presentation: "Use of Botulinum Toxin in the Treatment of Headache." Augusta Pain Conference. Continuing Medical Education Program jointly sponsored by the Walton Rehabilitation Hospital and Medical College of Georgia. Augusta, Georgia, May 16, 2003.
295. Presentation: "Keppra in the Treatment of Migraine." 2nd UCB Global Epilepsy Summit 2003. Orlando, Florida, May 17, 2003.
296. Presentation: "Migraine: New Diagnosis and Treatment Strategies." Pfizer, Inc. Speaker Program. Veteran's Administration Medical Center. Salisbury, North Carolina, May 21, 2003.
297. Presentation: "Advances in the Treatment of Headache & Migraine with Botulinum Toxin Type A." Department of Neurology Grand Rounds. Walter Reed Army Medical Center. Washington, D.C., May 28, 2003.
298. Presentation: "Treatment of Headaches." UCB Pharma/Elan Pharmaceuticals Speaker Program. Vienna, Virginia, June 3, 2003.
299. Presentation: "Migraine: New Diagnosis and Treatment Strategies." Pfizer, Inc. Speaker Program. Greensboro, North Carolina, June 5, 2003.
300. Presentation: "Headache Overview." Advances in the Use of Botulinum Toxin Type A for Pain Management CME Program Sponsored by the University of South Florida. Greensboro, North Carolina, June 13, 2003.
301. Presentation: "Advances in the Treatment of Headache and Migraine with Botulinum Toxin Type A." Advances in the Use of Botulinum Toxin Type A for Pain Management CME Program Sponsored by the University of South Florida. Greensboro, North Carolina, June 13, 2003.
302. Presentation: "Migraine: New Diagnosis and Treatment Strategies." Pfizer, Inc. Speaker Program. Veteran's Administration Medical Center. Winston-Salem, North Carolina, June 24, 2003.
303. Presentation: "Migraine: New Diagnosis and Treatment Strategies." Pfizer, Inc. Speaker Program. Hickory, North Carolina, June 24, 2003.
304. Presentation: "Migraine: New Diagnosis and Treatment Strategies." Gaston Memorial Hospital Grand Rounds Continuing Education Series. Gastonia, North Carolina, July 8, 2003.

LECTURES, SPEECHES, EXHIBITS, FILMS: (Continued)

305. Presentation: "Migraine: New Diagnosis and Treatment Strategies." Pfizer, Inc. Speaker Program. Durham, North Carolina, July 15, 2003.
306. Presentation: "Headache and Migraine in Primary Care." Pfizer, Inc. Speaker Program. Monroe, North Carolina, July 16, 2003.
307. Presentation: "Migraine: New Diagnosis and Treatment Strategies." Pfizer, Inc. Speaker Program. Mecklenberg Neurology, Monroe, North Carolina, July 16, 2003.
308. Presentation: "Migraine: New Diagnosis and Treatment Strategies." Pfizer, Inc. Speaker Program. Wilmington, North Carolina, July 22, 2003.
309. Presentation: "Treatment of Headaches." UCB Pharma Speaker Program. Athens, Georgia, July 29, 2003.
310. Presentation: "Treatment of Headaches." UCB Pharma/Elan Pharmaceuticals Speaker Program. Myrtle Beach, South Carolina, August 12, 2003.
311. Presentation: "Migraine: New Diagnosis and Treatment Strategies." Pfizer, Inc. Speaker Program. Shelby, North Carolina, August 19, 2003.
312. Presentation: "Migraine: New Diagnosis and Treatment Strategies." Pfizer, Inc. Speaker Program. Farrington Family Practice. Salisbury, North Carolina, August 20, 2003.
313. Presentation: "Migraine: New Diagnosis and Treatment Strategies." Pfizer, Inc. Speaker Program. Union Family Practice. Monroe, North Carolina, August 27, 2003.
314. Presentation: "Migraine: New Diagnosis and Treatment Strategies." Pfizer, Inc. Speaker Program. Guilford Neurological Associates. Greensboro, North Carolina, September 19, 2003.
315. Presentation: "Migraine: New Diagnosis and Treatment Strategies." Pfizer, Inc. Speaker Program. Roanoke Neurological Associates. Roanoke, Virginia, September 23, 2003.
316. Presentation: "Migraine: New Diagnosis and Treatment Strategies." Asheville, NC Veteran's Administration. Pfizer, Inc. Speaker Program. Asheville, North Carolina, October 1, 2003.
317. Presentation: "Migraine: New Diagnosis and Treatment Strategies." Pfizer, Inc. Speaker Program. Concord Family Practice, Concord, North Carolina, October 14, 2003.
318. Presentation: "Migraine: New Diagnosis and Treatment Strategies." Pfizer, Inc. Speaker Program. South Piedmont Primary Care, Monroe, North Carolina, October 15, 2003.

LECTURES, SPEECHES, EXHIBITS, FILMS: (Continued)

319. Presentation: "New Concepts in the Diagnosis and Treatment of Migraine." Pfizer, Inc. Speaker Program. Shenadoah Neurological Associates, Fishersville, Virginia, October 28, 2003.
320. Presentation: "New Concepts in the Diagnosis and Treatment of Migraine." Pfizer, Inc. Speaker Program. Ivy Inn, Charlottesville, Virginia, October 28, 2003.
321. Presentation: "New Concepts in the Diagnosis and Treatment of Migraine." Pfizer, Inc. Speaker Program University of Virginia, Department of Neurology, Charlottesville, Virginia, October 29, 2003.
322. Presentation: "Botulinum Toxin Type A in the Management of Intractable Headache." North Carolina Neurological Society Annual Meeting, Grandover Resort, Greensboro, North Carolina, November 1, 2003.
323. Presentation: "Botulinum Toxin Injections for Headache." 23rd Annual United States Army Medical Department Neurology Conference. Portsmouth, Virginia, November 21, 2003.
324. Presentation: "New Concepts in the Diagnosis and Treatment of Migraine." Pfizer Pain Summit. Grandover Resort, Greensboro, North Carolina, December 6, 2003.
325. Presentation: "Headache and Migraine in Primary Care." Pfizer Pain Summit. Grandover Resort, Greensboro, North Carolina, December 6, 2003.
326. Presentation: "Migraine: New Diagnosis and Treatment Strategies 2004." Continuing Medical Education Program sponsored by Pfizer. Maggiano's Restaurant, Charlotte, North Carolina, January 20, 2004.
327. Presentation: "Headache Update 2004." Department of OB/GYN Grand Rounds. Continuing Medical Education Program. Wake Forest University School of Medicine. Winston-Salem, North Carolina, February 4, 2004.
328. Presentation: "Migraine 2004." Department of Psychiatry and Behavioral Medicine Grand Rounds. Continuing Medical Education Program. Wake Forest University School of Medicine. Winston-Salem, North Carolina, February 6, 2004.
329. Presentation: "Headaches 2004." UCB Pharma Speaker's Bureau Program. Stephens Restaurant, Roanoke, Virginia, February 24, 2004.
330. Presentation: "The Management of Migraine." UCB Pharma Speaker's Bureau Program. Stock's on 2nd, Harrisburg, Pennsylvania, March 2, 2004.
331. Presentation: "Headaches 2004." UCB Pharma Speaker's Bureau Program. Wellspan Neurology, York, Pennsylvania, March 3, 2004.
332. Presentation: "The Use of Zomig for Headache." MedPointe Lecture Bureau Program. Graylyn Conference Center, Winston-Salem, North Carolina, March 9, 2004.

LECTURES, SPEECHES, EXHIBITS, FILMS: (Continued)

333. Presentation: "Migraine: New Diagnosis and Treatment Strategies 2004." Pfizer, Inc. Speaker Program. Fusion Bistro, Cornelius, North Carolina, March 9, 2004.
334. Presentation: "The Race Against Migraine: Every Minute Counts." GlaxoSmithKline Speaker Program. Graylyn Conference Center, Winston-Salem, North Carolina, March 24, 2004.
335. Presentation: "Management of Headache 2004." Neurology Update for the Primary Care Provider. Continuing Medical Education Program. Wake Forest University School of Medicine. Hawthorne Inn and Conference Center, Winston-Salem, North Carolina, March 26, 2004.
336. Presentation: "The Management of Migraine." UCB Pharma, Inc. Speaker Program. The Mansion on Turtle Creek, Dallas, Texas, March 30, 2004
337. Presentation: "The Management of Migraine." UCB Pharam, Inc. Speaker Program. Texas Neurology, Dallax, Texas, March 31, 2004.
338. Presentation: "Migraine: 2004." Pfizer, Inc. Speaker Program. Gaslight Grille, Danville, Virginia, April 13, 2004.
339. Presentation: "New Concepts in the Diagnosis and Treatment of Migraine." Pfizer, Inc. Speaker Program. Medical University of South Carolina, Charleston, South Carolina, April 15, 2004
340. Presentation: "The Management of Migraine." UCB Pharma, Inc. Speaker Program. Johnny Delmonico, Madison, Wisconsin, April 20, 2004
341. Presentation: "The Management of Migraine." UCB Pharma, Inc. Speaker Program. Sheboygan Neurology, Sheboygan, Wisconsin, April 21, 2004.
342. Presentation: "Headaches 2004." UCB Pharma, Inc. Speaker Program. Valley Neurological Phoenix, Arizona, May 4, 2004.
343. Presentation: "Headaches 2004." UCB Pharma, Inc. Speaker Program. 21st Century Neurology, Phoenix, Arizona, May 5, 2004.
344. Presentation: "Botulinum Toxin Injections for Headache." Department of Neurology Grand Rounds. Continuing Medical Education Program. New York University School of Medicine, New York, New York, May 11, 2004.
345. Presentation: "Botulinum Toxin Type A – Headache Update 2004." Allergan Physician Clinical Exchange Program. Schimmel's, Jackson, Mississippi, May 11, 2004.
346. Presentation: "Botulinum Toxin Injections for Headache." Departments of Neurology/Neurosurgery Grand Rounds. Continuing Medical Education Program. University of Mississippi Medical Center, Jackson, Mississippi, May 12, 2004.

LECTURES, SPEECHES, EXHIBITS, FILMS: (Continued)

347. Presentation: "New Concepts in the Diagnosis and Treatment of Migraine." Pfizer, Inc. Speaker Program. Salisbury Family Practice, Salisbury, North Carolina, May 19, 2004.
348. Presentation: "Vertigo and Dizziness." Continuing Medical Education Program sponsored by Pfizer, Inc. Danville Regional Medical Center, Danville, Virginia, June 17, 2004.
349. Presentation: "Headache: 2004." 33rd Annual Emery C. Miller Medical Symposium. Continuing Medical Education Program sponsored by Wake Forest University School of Medicine. Kingston Plantation, Myrtle Beach, South Carolina, August 3, 2004.
350. Presentation: "Dizziness." 33rd Annual Emery C. Miller Medical Symposium. Continuing Medical Education Program sponsored by Wake Forest University School of Medicine. Kingston Plantation, Myrtle Beach, South Carolina, August 3, 2004.
353. Presentation: "Current Headache Management with Keppra" UCB Pharma Speaker Program: Salisbury, NC September 2, 2004.
354. Presentation: "Current Headache Management with Keppra" UCB Pharma Speaker Program: Hickory, NC September 8, 2004.
355. Presentation: Presentation: "Migraine Therapy 2004." Pfizer, Inc. Speaker Program. Statesville, NC October 27, 2004.
356. Presentation and Demonstration: "Botulinum Toxins in the Treatment of Migraine", Salisbury, NC, December 16, 2004.
357. Presentation: "Treatment of Headache and Jaw Pain with BOTOX. Forsyth Dental Hygiene Society, January 11, 2005.
358. Presentation: "Keppra in the Management of Headache" UCB Pharma Speaker Program: Rocky Mount, NC, February 21, 2005.
359. Presentation: "Management of Headache" UCB Pharma Speaker Program: Raleigh, NC, April 27, 2005.
360. Presentation: "Headache 2005" Pfizer Speaker Program, Jacksonville, FL, May 2, 2005.
361. Presentation: "Headache 2005" Pfizer Speaker Program, Gainesville, FL, May 3, 2005.
362. Presentation: "Headache Management for the Primary Care Physician" Jacksonville, FL. May 4, 2005.
363. Presentation: "Botulinum Toxin in the management of pain and headache: Greensboro, NC, September 15, 2005.

LECTURES, SPEECHES, EXHIBITS, FILMS: (Continued)

364. Presentation: “Overview of BOTOX for Headache for Medical Coders”. Stitch Center Auditorium of Wake Forest University School of Medicine, Winston-Salem, NC, April 6, 2006.